



# ORANGE COUNTY STATE COLLEGE

*Catalog*

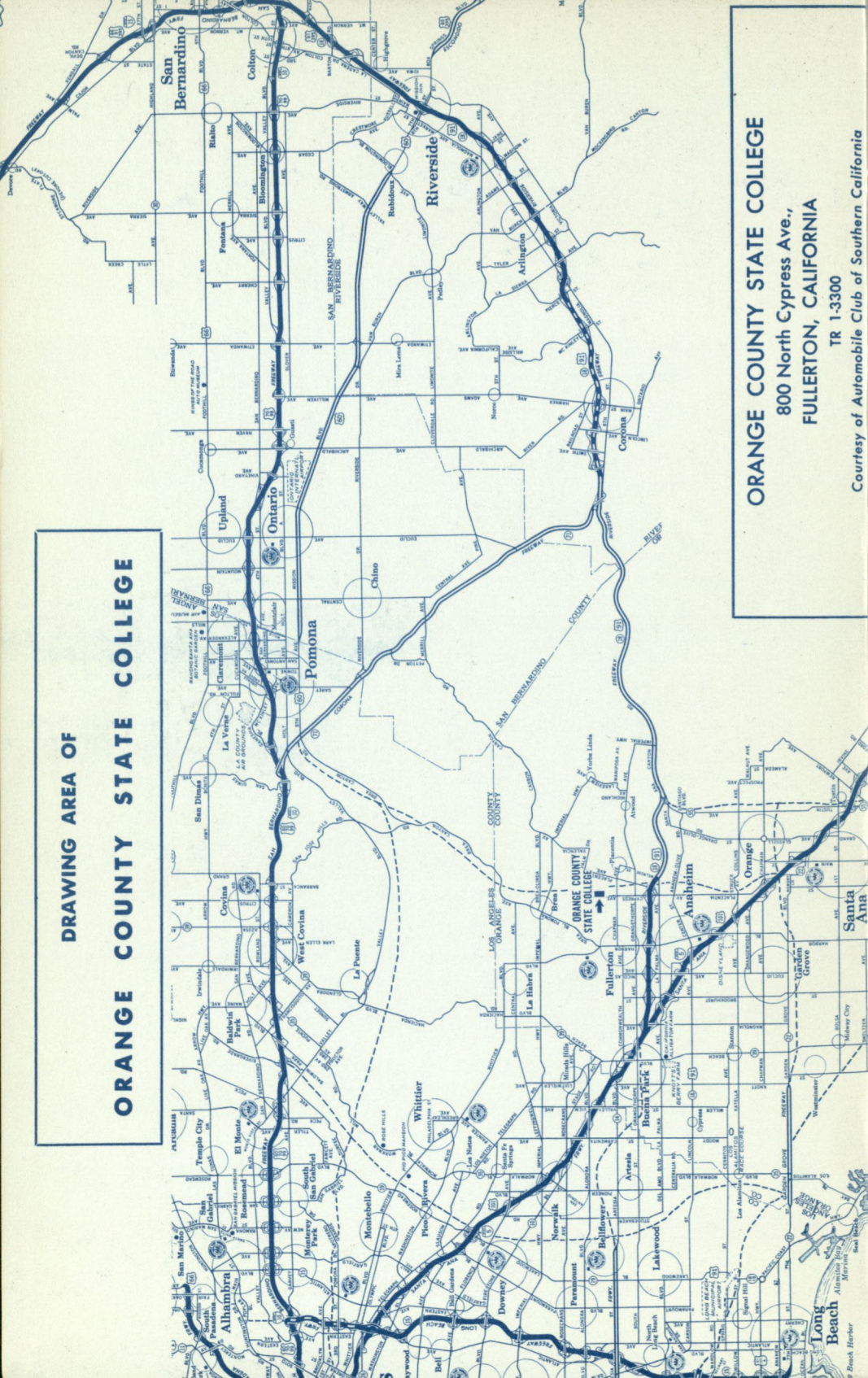
1961-62

800 North Cypress Avenue, Fullerton, California



DRAWING AREA OF

# ORANGE COUNTY STATE COLLEGE



ORANGE COUNTY STATE COLLEGE

800 North Cypress Ave.,

FULLERTON, CALIFORNIA

TR 1-3300

Courtesy of Automobile Club of Southern California





Future Science Building of Orange County State College

800 North Cypress Avenue, Tustin



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# ORANGE COUNTY STATE COLLEGE

## *Catalog*

**1961-62**

**800 North Cypress Avenue, Fullerton, California**







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## CALENDAR: 1961-62

### SUMMER SESSION 1961

June	19, Mon.	Summer Session begins
July	4, Tue.	Independence Day (Holiday)
July	28, Fri.	Summer Session ends

### FALL SESSION 1961

August	15, Tue.	Application for admission and transcripts due in Admissions Office
September	11, Mon.	College Faculty meetings
September	12, Tue.	College Faculty meetings
September	13-15, Wed.-Fri.	Registration for all classes
September	15, Fri.	Last day to register without late registration fee
September	18, Mon.	Classes begin
September	22, Fri.	Last day to register or add classes
October	13, Fri.	Last day to drop a course with automatic "W"
November	22, Wed.	Last day to drop a course
November	23, Thur.	Thanksgiving Vacation
November	24, Fri.	Thanksgiving Vacation
December	18, Mon.	Christmas Vacation begins
January	2, Tue.	Classes resume
January	18, Thur.	Classes end
January	19-25, Fri.-Thurs.	Semester examinations

### SPRING SESSION 1962

January	15, Mon.	Applications for admission and transcripts due in Admissions Office
February	1-2, Thu.-Fri.	Registration for all classes
February	2, Fri.	Last day to register without late registration fee
February	5, Mon.	Classes begin
February	9, Fri.	Last day to register or add classes
February	12, Mon.	Lincoln's Birthday (Holiday)
February	22, Thu.	Washington's Birthday (Holiday)
March	2, Fri.	Last day to drop a course with automatic "W"
April	13, Fri.	Last day to drop a course
April	16, Mon.	Spring Vacation begins
April	23, Mon.	Classes resume
May	30, Wed.	Memorial Day (Holiday)
June	1, Fri.	Classes end
June	4-8, Mon.-Fri.	Semester examinations
June	10, Sun.	Commencement

### SUMMER SESSION 1962

June	18, Mon.	Summer Session begins
July	4, Wed.	Independence Day (Holiday)
July	27, Fri.	Summer Session ends



## CALIFORNIA STATE COLLEGES

### STATE DEPARTMENT OF EDUCATION

Roy E. Simpson	Superintendent of Public Instruction
	State Director of Education
Don R. Younggreen	Acting Chief, Division of State Colleges and Teacher Education

### STATE BOARD OF EDUCATION

Louis H. Heilbron, President	San Francisco
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Raymond J. Daba	Atherton
Donald M. Hart	Bakersfield
Dr. Mabel E. Kinney	Los Angeles
Mrs. Seymour Mathiesen	Fresno
Bishop Gerald L. Kennedy	Los Angeles

Roy E. Simpson, Secretary and Executive Officer

On July 1, 1961, the administration and control of the California State Colleges will be transferred from the State Board of Education to the Trustees of the California State Colleges as provided by Chapter 49, Statutes of 1960, First Extraordinary Session.

### TRUSTEES OF THE CALIFORNIA STATE COLLEGES

#### ADMINISTRATIVE OFFICE

Buell G. Gallagher	Chancellor
Don B. Leiffer	Administrative Officer

#### TRUSTEES

Governor Edmund G. Brown	Sacramento
Lieutenant Governor Glenn M. Anderson	Sacramento
Roy E. Simpson, Superintendent of Public Instruction	Sacramento
Byron J. Atkinson	Los Angeles
Mrs. Talcott Bates	Carmel
Thomas W. Braden	Oceanside
William K. Coblenz	San Francisco
Raymond J. Daba	Atherton
Donald M. Hart	Bakersfield
Louis H. Heilbron	San Francisco
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Charles Luckman	Los Angeles
Mrs. Seymour Mathiesen	Fresno
Theodore Meriam	Chico
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Thomas L. Pitts	San Francisco
Herman H. Ridder	Long Beach
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## LEGISLATIVE INTERIM COMMITTEE

Ralph M. Brown ..... Sacramento

### ORANGE COUNTY STATE COLLEGE ADVISORY BOARD

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### 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 .....	William A. Carmody

#### INSTRUCTION

Dean of Instruction .....	Bernard L. Hyink
Dean of Educational Services and Summer Session .....	Gerhard E. Ehmman
College Librarian .....	Ernest W. Toy, Jr.
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
Humanities Division, Chairman .....	
English Department, Chairman .....	Orrington C. Ramsay
Foreign Language and Comparative Literature Department, Chairman .....	Gustave Mathieu
Journalism Department, Chairman .....	J. William Maxwell
Philosophy Department, Chairman .....	William H. Alamshah
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Biological Science Department, Chairman .....	Miles D. McCarthy
Mathematics Department, Chairman .....	Dennis B. Ames
Physics Department, Chairman .....	Raymond V. Adams
Social Sciences Division, Chairman .....	Giles T. Brown
Geography Department, Chairman .....	Delmas A. Bugelli
History Department, Chairman .....	Giles T. Brown
Political Science Department, Chairman .....	John Brown Mason
Speech and Fine Arts Division, Chairman .....	
Art Department, Chairman .....	Samuel W. Heavenrich
Music Department, Chairman .....	Joseph W. Landon
Speech and Drama Department, Chairman .....	Seth A. Fessenden

### 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	Richard A. Wilcott
Personnel Officer	Lee Spencer
Supervisor of Building Trades	Beryl Kempton

## COLLEGE COMMITTEES 1960-61

### *President's Council*

W. B. Langsdorf, Chairman	Bernard L. Hyink
Ernest A. Becker	Jack E. Lyons
Gerhard E. Ehmann	Stuart F. McComb
Faculty Council Chairman	

### *Executive Committee of the Faculty Council*

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Ida S. Hill	

### *Foundation Board of Trustees*

W. B. Langsdorf, President	Ernest A. Becker
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Jack E. Lyons, Treasurer	Frank G. Rizzardi
Raymond V. Adams	

## STANDING COMMITTEES OF THE FACULTY

### *Committee on Academic Standards*

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Bernard L. Hyink	Theodore H. Smith

### *Committee on Commencement and Convocations*

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Henry T. Dohrman	Frank G. Rizzardi
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Donal R. Michalsky	

### *Committee on Committees*

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Ernest A. Becker	James D. Young
Donald C. Bridgman	

### *Committee on Constitution and Bylaws*

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Lawrence B. de Graaf	Donald D. Sutton

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Dennis B. Ames	Gerhard E. Ehmann
Ronald M. Bristow	Gustave Mathieu

### **Committee on Faculty Affairs**

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Gordon S. Fyfe  
Lee E. Granell  
Levern Graves

Nish A. Jamgotch, Jr.  
Hazel J. Jones  
Gustave Mathieu  
Calvin Stanley

### **Committee on Graduate Studies**

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Bayard H. Brattstrom  
Barbara A. Davis

Emmett T. Long  
John Brown Mason  
Orrington C. Ramsay  
Theodore H. Smith

### **Committee on Honors and Awards**

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Samuel W. Heavenrich  
George R. Hoff  
David H. Li

J. William Maxwell  
Orrington C. Ramsay  
George C. Turner

### **Committee on Instructional Materials**

Jack E. Lyons, Chairman  
Lester M. Beals  
William P. Chen  
Naomi G. Dietz  
Arthur D. Earick

Myrtle M. Imhoff  
L. Clark Lay  
Stuart F. McComb  
Alexander Omalev

### **Committee on Selection, Retention, and Promotion**

Edwin R. Carr, Chairman  
Dennis B. Ames

John Brown Mason

### **Committee on Student Affairs**

Ernest A. Becker, Chairman  
James P. Alexander  
Bayard H. Brattstrom  
Lee E. Granell

Bernard L. Hyink  
Joseph W. Landon  
James A. McCleary  
Ludwig J. Spolyar

### **Committee on Teacher Education**

Giles T. Brown, Chairman  
Kenneth R. Doane  
Gerhard E. Ehmann  
Seth A. Fessenden

Joseph W. Landon  
Miles D. McCarthy  
Theodore H. Smith

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



# 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, Lennoxville, Canada; Ph.D., Yale 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
- 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
- BLANCHARD, MILTON C. (1961) ..... Building Coordinator and Intermediate  
Vocational Instructor  
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
- 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
- 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
- BUGELLI, DELMAS A. (1960)  
Professor of Geography and Chairman, Geography Department  
B.S., State Teachers College, California, Pennsylvania; M.S., University of Chi-  
cago; Ph.D., Columbia University
- BURKE, MAX W. (1960) ..... Director of Placement Services and  
Assistant Professor of Education  
B.A., University of Iowa; B.D., Colgate-Rochester Divinity School

- CARMODY, WILLIAM A. (1960) ..... Publications Manager and Associate Professor of Journalism  
B.S., Wisconsin State College, Platteville; M.S., Columbia University; Ed.D.,  
University of Southern California
- 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
- DAVIS, BARBARA A. (1960) ..... Librarian III  
B.S., Carnegie Institute of Technology; M.L.S., Carnegie Library School; B.M.,  
University of Wisconsin
- DENNO, RAYMOND E. (1961) ..... Audio-Visual Coordinator  
and Professor of Education  
B.A., University of California at Santa Barbara; M.S., Ed.D., UCLA
- DE GRAAF, LAWRENCE B. (1959) ..... Assistant Professor of History  
B.A., Occidental College; M.A., 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
- DOHRMAN, HENRY R. (1960) ..... Associate Professor of Sociology  
B.A., Nebraska State College, Wayne; S.T.B., Ph.D., Harvard University
- EARICK, ARTHUR D. (1960) ..... Assistant 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 Education  
and Chairman, Speech and Drama Department  
B.S., M.S., University of Illinois; Ph.D., New York University
- FYFE, GORDON S. (1960) ..... Assistant Professor of Marketing  
B.A., Syracuse University; M.B.A., University of Pennsylvania
- 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
- HARTSIG, BARBARA (1959) ..... Professor of Education  
and Coordinator of Elementary Education  
B.A., Occidental College; M.S., University of Southern California; Ed.D., Uni-  
versity of California, Los Angeles
- HEAVENRICH, SAMUEL W. (1960) ..... Professor of Art and Chairman, Art Department  
B.A., M.A., Ed.D., University of California, Los Angeles



- 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
- HOFF, GEORGE R. (1960)..... Assistant Professor of Psychology  
B.A., Pepperdine College; M.A., Ph.D., University of Southern California
- 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  
and Psychology  
B.A., Harris Teachers College, St. Louis; M.A., St. Louis University; Ph.D., Washington University
- JAMGOTCH, NISH A., JR. (1960)..... Instructor in Russian Language  
and Area Studies  
B.A., M.A., University of Minnesota
- JONES, HAZEL J. (1960)..... Assistant Professor of Education  
B.A., Western State College, Gunnison, Colorado; M.S., University of Southern California
- KERAN, DONALD W. (1961)..... Librarian I  
B.A., University of California at Los Angeles; M.S. in L.S., University of Southern California
- LONDON, 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 and Education  
B.A., 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
- 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 and  
Associate Professor of Public Administration  
B.A., University of Southern California
- MASON, JOHN BROWN (1960)..... Professor of Political Science  
and Government 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, Foreign Languages and Comparative Literature Department  
B.S., M.A., Ph.D., Columbia University
- MAXWELL, J. WILLIAM (1960)..... Associate Professor of Journalism  
and Chairman, Journalism Department  
B.S., 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
- MICHALSKY, DONAL R. (1960)..... Instructor in Music  
B.M., M.M., University of Southern California
- OMALEV, ALEXANDER (1960)..... Associate Professor of Physical Education  
and Coach of Basketball  
B.A., M.S. in Ed., University of Southern California
- PAGE, JAMES A. (1961)..... Librarian II  
B.A., Roosevelt University; M.S. in L.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
- 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 Literature and  
Chairman, English Department  
B.S., Northwestern University; M.A., Ph.D., University of Wisconsin
- RIZZARDI, FRANK G. (1960)..... Associate Professor of Business Management  
B.B.A., M.B.A., University of Michigan
- 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
- STANLEY, CALVIN (1960)..... Associate Professor of Education  
B.A., University of Tennessee; M.A., George Washington University; M.A.,  
Teachers College, Columbia University; Ph.D., University of Connecticut
- 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
- TURNER, GEORGE C. (1960)..... Associate Professor of Education and Biology  
B.A., Stanford University; M.S., Utah State University; M.Ed., Eastern Washing-  
ton College of Education
- 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

- BLAIR, GEORGE S. (1960)..... Associate Professor of Political Science  
B.A., B.S., M.S., Kansas State Teachers College, Emporia; Ph.D., Northwestern  
University
- BOYD, CHARLES A., JR., (1959)..... Instructor in Education  
B.A., M.A., Colorado State College of Education
- BREINHOLT, VERNA (1959)..... Assistant Professor of Speech  
B.A., M.A., Brigham Young University
- BROWN, JOHN W. (1959)..... Instructor in Education  
B.A., M.A., Long Beach State College



- CUPPY, ALLEN (1959)..... Instructor in Education  
B.A., Central State College, Edmond, Okla.; M.A., Long Beach State College
- DIETZER, JAY (1960)..... Assistant Professor of Music  
B.M., M.M., Cincinnati Conservatory of Music
- DOSS, JESSE PAUL (1959)..... Associate Professor of Education  
B.A., Fresno State College; M.S., Ed.D., University of Southern California
- ERIKSEN, WALTER B. (1960)..... Assistant Professor of Education  
B.S., Western Michigan University, Kalamazoo; M.A., University of Michigan;  
Ed.D., University of Southern California
- GRAHAM, GEORGE R. (1960)..... Assistant Professor of Philosophy  
B.A., Park College; B.D., Union Theological Seminary
- GRAY, BENJAMIN G. (1960)..... Instructor in Education  
B.A., M.S., University of California at Los Angeles; Ed.D., University of Southern California
- GREENING, CHARLES P. (1960)..... Instructor in Education  
B.S., Carnegie Institute of Technology; M.A., Ph.D., University of California
- HARRINGTON, ERNEST ROBERT, JR., (1960)..... Associate Professor of Speech  
B.A., M.A., University of Washington; Ph.D., University of Iowa
- HOLMES, JAMES E. (1960)..... Instructor in Education  
B.S., Wisconsin State College, River Falls; M.A., University of Minnesota
- KAPLAN, DONALD E. (1960)..... Assistant Professor of Speech  
B.A., University of California at Los Angeles; M.A., Long Beach State College
- KLINE, ROBERT B. (1960)..... Instructor in Education  
B.A., Hastings College; M.S., Indiana University
- LANDAU, MIRIAM FELDMAN (1960)..... Assistant Professor of Education  
M.S., City College of New York; Ph.D., Columbia University
- MARPLE, THOMAS L. (1960)..... Associate Professor of Chemistry  
(Consultant)  
B.A., Occidental College; Ph.D., Massachusetts Institute of Technology
- MOORE, YULA S. (1959)..... Assistant Professor of Education  
B.A., Occidental College
- PATTERSON, PIERCE E. (1959)..... Assistant Professor of Education  
B.S., Montana State College; M.A., San Diego State College
- REED, MARY S. (1959)..... Assistant Professor of Education  
B.A., M.S., Indiana State Teachers College, Terre Haute
- SMITH, TOM E. (1959)..... Instructor in Education  
B.A., Whittier College; M.A., Claremont Graduate School
- STARR, GLENN E. (1959)..... Assistant Professor of Education  
B.P.S.M., M.S., Indiana University
- STOLL, BERNARD (1960)..... Assistant Professor of Education  
B.A., M.A., Brooklyn College
- SWINEHART, RICHARD M. (1960)..... Instructor in Education  
B.A., University of the Pacific
- WAGNER, EDYTH E. (1960)..... Assistant Professor of Music  
B.S., Julliard School of Music; M.M., University of Southern California
- WAHLQUIST, GUNNAR L. (1960)..... Associate Professor of Education  
B.S., M.S., Ed.D., University of Southern California
- WHEELER, OSBORNE R. (1959)..... Assistant Professor of Education  
B.A., M.A., University of Washington; Ed.D., University of Southern California
- WILKINSON, GEORGE E. (1960)..... Assistant Professor of Education  
B.A., Arkansas A. & M. College; M.A., University of Minnesota; Ed.D., Indiana University



**PUBLIC SCHOOL TEACHERS COOPERATING IN  
STUDENT TEACHING PROGRAM**

**FALL SEMESTER 1960**

**ELEMENTARY**

**Alamitos Elementary School District**

Claris Campbell  
Lois Cole  
Carol Gibson  
Marlys Hoffman  
Muriel Jones

Lenore Kozan  
Louise Murphy  
Edith Peters  
Dorothy Sorensen  
Roberta Wilson

**Fullerton Elementary School District**

Barbara Attané  
Marilee Bramlett  
Shirley Elliott  
Betty Jordan  
Dorothy Leander  
Kenneth Mackay

Claudine Peterson  
David Peterson  
Virginia Sellers  
Marti Stephenson  
Helen Walker  
Frances Welch

**Garden Grove Elementary  
School District**

Esther Bailey  
Loraine Clak  
Yvonne Davis  
Susan Fay  
Carol Griffis  
Mary Ann Head  
David Jenkins

Homer Legree  
Billie Morgan  
Shirley Reinertson  
Dorcas Richards  
Olivia Wallstrom  
Mignon Waters

**PUBLIC SCHOOL TEACHERS COOPERATING IN  
OBSERVATION—PARTICIPATION PROGRAM**

**FALL SEMESTER, 1960 \***

**ELEMENTARY**

**La Habra City School District**

Ophelia Askins  
Jeanne Beals  
Helen Blair  
Ruth Cloyd  
Rex Cunningham  
Marie Daldin  
William Dickenson  
Avis Elder  
Chester Felshaw  
Ervin Fiebelkorn  
Gladys Goodwin  
Selma Guysinger  
Wyman Hill  
Betty Hines  
Eileen Houge  
Jerome Hund  
Katherine Ingles

Thelma Johnson  
Ethel Kelley  
Lorraine Kliem  
Betty Lou Lee  
Mary Marquette  
William Mitchell  
Ann Prestridge  
Eileen Rask  
Robert Roberts  
Carol Serven  
Mary Sheller  
Irene Shira  
Georgia Tarwater  
Robert Urban  
Jacob Van Pelt  
Evelyn Watt

\* Includes only those participating on a full semester basis.



## SECONDARY

### FULLERTON UNION HIGH SCHOOL DISTRICT

#### *Buena Park High School*

William Claffey  
William Dae  
Don Daniels  
Lawrence Follett  
Frank Ford  
Jack Holm  
Robert Hugenberger

Marian Ingersoll  
Ruth Nordstrom  
John Pantages  
Fred Pilling  
Robert Turek  
Wilbur Walston  
David Young

#### *Fullerton High School*

Lloyd Alford  
Harold Beddows  
Nelson Bonar  
Margaret Chaconas  
Norman Cottom  
Mary Davis  
Vera Ferraris  
Louise Garman  
William Gienapp  
Bert Hathaway  
James Hines  
Marian Hunnex  
Lindell Jones

Roy Kawagoe  
Ernest Koch  
Mathew Mantz  
Janet Matsuyama  
Edwin McIntosh  
Grace Miller  
Leona Quigley  
Barbara Redfern  
Jake Robertson  
Maxine Shurtz  
David Skelly  
Robert Strange  
H. M. Wareberg

#### *La Habra High School*

Elna Clamp  
Alice Enright  
Glenn Farrell  
Ethel Ann Fengler  
Alvin Hawkins  
Robert Ingersoll  
David Inglis  
William Jenks  
Beulah King  
William Lennertz

Frank Palko  
Jane Roy  
Betty Scaling  
Myrtle Schneider  
Allan Stafford  
Rex Terry  
Sylvia Vratots  
Lee Ella Wallace  
Willis Wilson

## THE STATE COLLEGES

Orange County State College is one of the sixteen California state colleges 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. 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 college was recommended in the Master Plan for Higher Education in California which was presented to the Legislature in February 1960. The year 1961-62 is a year of transition as it is the first year of operations under this new governing board.

## HISTORY OF ORANGE COUNTY STATE COLLEGE

Orange County State College was established by act of the Legislature under the terms of Chapter 1081 of the Statutes of 1957. The Public Works Board after a study of the possibilities in Orange County, on March 15, 1958, selected 100 acres located in the northern section of the City of Fullerton. The original acreage has since been augmented by two additional lots of 17 acres and the total is 117 acres. The new campus of 117 acres bounded on the north by Pioneer Avenue, on the west by Cypress Avenue, on the south by the extension of Woodward Avenue, and on the east by the proposed north-south freeway.

The appointment of the college president by Superintendent Roy E. Simpson was approved by the State Board of Education on January 10, 1959. On March 2, President W. B. Langsdorf and two aides came to Fullerton 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 for holding college classes at the Sunny Hills High School. For the 1959-60 school year, Fall 1959 opening enrollment consisted of 10 regular students and 375 limited students for a total of 485 individuals. Fall 1960 opening enrollment saw an increase to 47 regular and 391 limited students for a total of 1,069 individuals.

The President of Orange County State College was originally instructed to make a plan for 15,000 regular students to be reached in the early 1970's. Later, the instruction was changed to master plan for 17,000 regular students to be reached by 1980. The master plan for higher education has since recommended that the ultimate maximum be held to 20,000 full-time regular students.



# ORANGE COUNTY STATE COLLEGE

## PHILOSOPHY

Orange County State College believes that a college education should provide students with a broad liberal background and at the same time can and should furnish the practical base for success in a chosen occupation or profession. The college assumes that a broad liberal background can best be acquired through an education in both breadth and depth. A broad base of general education is provided consistent with that required by the State Board policy. In addition the college program differs from that of many others in requiring of all teaching credential applicants the completion of a subject major in depth. It is hoped by this means to assure that graduates will have depth in at least one field of knowledge, depth which alone can provide perspective and appreciation of our cultural heritage and the vast scope of knowledge, with an understanding of the narrow limits which ignorance and superficiality impose.

The college aims also at preparation for occupational and professional competency in a variety of fields. Because of the nature of growth and of needs in the Orange County region, emphasis will be placed on preparation for teaching, engineering, and business. Courses to meet the requirements for various teaching credentials are currently offered, as are programs in several business fields.

By these means Orange County State College hopes to equip students through knowledge and understanding to be worthy heirs of a great civilization, effective citizens in a democratic society, and qualified to carry on an occupation or profession in a manner to bring credit to them and to Orange County State College.

## HISTORY OF ORANGE COUNTY STATE COLLEGE

Orange County State College was established by act of the Legislature under the terms of Chapter 1681 of the Statutes of 1957.

The Public Works Board, after a study of 19 possible sites in Orange County, on March 13, 1958, selected 160 acres located in the northeast section of the City of Fullerton. The original acreage has since been augmented by two additions, one of 75 acres and the other of 17 acres. The site now consists of 252 acres bounded on the north by Pioneer Avenue, on the west by Cypress Avenue, on the south by the extension of Nutwood Avenue, and on the east by the proposed north-south freeway.

The appointment of the college president by Superintendent Roy E. Simpson was approved by the State Board of Education on January 16, 1959. On March 2, President W. B. Langsdorf and two aides came to Fullerton 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 for holding college classes at the Sunny Hills High School for the 1959-60 school year. Fall 1959 opening enrollments consisted of 107 regular students and 353 limited students for a total of 460 individuals. Fall 1960 opening enrollments saw an increase to 477 regular and 592 limited students for a total of 1,069 individuals.

The President of Orange County State College was originally instructed to master plan for 15,000 regular students, to be reached in the early 1970's. Later, the instruction was changed to master plan for 35,000 regular students to be reached by 1980. The master plan for higher education has since recommended that the ultimate maximum be held to 20,000 full-time regular students.



In the Fall of 1960, the college opened classes on its own campus where it occupied twelve temporary buildings. The first permanent building is expected to be completed in 1963, with other buildings to follow year by year for an indefinite period of time.

## **ACCREDITATION**

Orange County State College has received full accreditation from the Western College Association. This was recommended by the accrediting team which visited the college in January, 1961. The team's report was approved by the committee on membership and standards and the executive committee and was reported to the general session of WCA which met February 23-24, 1961, in Los Angeles.

## **MEMBERSHIP IN ORGANIZATIONS**

The college is a member of the American Council on Education, the Western College Association, and the American Association of Colleges for Teacher Education.

## **THE COLLEGE LIBRARY**

The College Library, housed in Building 1100, will contain, at the beginning of the 1961-62 academic year, about 22,000 volumes. This collection will include regular books, bound periodicals, and a special collection of elementary and secondary school textbooks. During the year about 14,000 volumes will be added.

In addition to these materials, about 250 courses of study and related curriculum publications of California school districts, together with about 1,200 pamphlets, will be available at the beginning of the year. The Library will have about 600 current periodicals and limited bound, unbound, and microfilmed files of back issues. Microfilm readers and a reader-printer will be available for student and staff use.

The Library reading room seats 150 persons. Hours of service are posted at the entrance. Professional librarians are available to aid students and staff members in the use of the collection.

## **SPECIAL PROGRAMS OF INSTRUCTION**

### **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 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 Summer Session.



## EXTENSION PROGRAM

All 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 (subject to change). For full details concerning extension work, write the Dean of Educational Services.

## 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.

### ADMISSIONS AND RECORDS

#### 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. Substantial completion of all the state college general education requirements.
4. 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. Master's degree candidates must, subsequent to attaining unclassified graduate status from the Office of Admissions, qualify for *classified graduate* status. Further information may be secured from the Office of the Dean of Educational Services.

##### 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.

No evaluation of transfer credit will be given to such students and no advisement is offered.



## 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 13, 1961	9:00 a.m.	(Saturday)
June 22, 1961	9:00 a.m.	(Thursday)
July 20, 1961	7:00 p.m.	(Thursday)
Aug. 10, 1961	9:00 a.m.	(Thursday)
Aug. 24, 1961	7:00 p.m.	(Thursday)

## PROBATIONARY AND PROVISIONAL ADMISSION

1. 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.
2. State law provides that applicants who apply with credit from non-accredited colleges, may be considered for provisional admission. An applicant who has attended a non-accredited college or university may be admitted 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.

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

Not more than 70 semester units may be allowed for credit earned in 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.

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 FROM NON-ACCREDITED INSTITUTIONS

Credit may be accepted from non-accredited institutions toward graduation requirements only after a student has earned 24 semester units with at least a C average at Orange County State College.

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.

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.

ACADEMIC REGULATIONS

Grading System

Grade	Grade Point Value
A Excellent	4
B Above Average	3
C Average	2
D Barely Passing	1
E Incomplete	0
F Failure	0
AU Auditor (no credit toward degree or credential)	None Assigned
W Passing Withdrawal	None Assigned
CR Credit for course, no grade assigned	None Assigned

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



### ***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.

### ***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.

### ***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.

### ***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 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.

### **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 four weeks of instruction of the semester will be W. Beginning with the fifth week, and through the tenth week of instruction, 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. Beginning with the eleventh week of instruction, a student will be given an F if he drops a class or withdraws from college, except when in the opinion of the instructor he is entitled to receive a grade of E (incomplete).

### **Examinations**

Final examinations are required in all courses. No final examinations shall be given to individual students before the regularly scheduled time. Any student who finds it impossible to take a final examination on the date scheduled must make arrangements in advance with the instructor to have an "Incomplete" grade reported and must then follow the regulations concerning make-up of "Incomplete" grades. No exception will be made to this rule without the written approval of the instructor, the division chairman, and the Dean of Instruction.

### **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.

### **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.

### **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.

### **Auditors**

A properly qualified student may register in classes as an auditor, provided there is room. The student must meet the regular college entrance requirements and must pay the same fees as other students. An auditor may not change his registra-



tion 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.

### 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 Committee on Academic Standards. Permission will not be granted when the study load in the proposed combined program exceeds the units authorized at this college.

### 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.

### Grade Reports to Students

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

## GRADUATION POLICY

### Requirements for Graduation

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

- a. 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.
- b. Completion of the course general education requirements as listed below:

- (1) 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.

- (2) 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 from a life science.

- (3) Literature, Philosophy, or the Arts.....6 units

(Fine and practical arts not to exceed 3 of the 6 units)

- (4) Health and Physical Education.....2 units

- (5) Oral and Written Expression.....3 units

- (6) Psychology.....2 units

- (7) Additional units in General Education.....14 units

- c. Completion of requirements in the major field.
- d. Satisfaction of the residence requirement.
- e. Achievement of a cumulative grade point average of 2.0 (C) from all colleges, including Orange County State College in the following:
  - (1) All work attempted.
  - (2) All courses required in the specific major program.
- f. Recommendation by the faculty.



## Application for Graduation

A candidate for graduation should file an application for a graduation requirement check in the Office of the Registrar by the end of the fifth week of the semester previous to the semester in which he expects to graduate.

## 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.

## 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 initiated by him. A sub-committee of the Committee on Academic Standards 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.

## 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.

## 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.



## FEES AND EXPENSES

### Registration Fees

#### Regular Students

Materials and service fee.....	\$36.00
Associated Students fee.....	9.00
<b>Total per semester.....</b>	<b>\$45.00</b>

#### Limited Students (1-6 units)

Materials and service fee.....	\$18.50
Associated Students fee.....	4.00
<b>Total per semester.....</b>	<b>\$22.50</b>

#### Summer Session Fees

Per unit or fraction of unit.....	\$11.00
Associated Students fee.....	2.00

#### Extension Fees

Per unit or fraction of unit.....	\$10.00-\$20.00
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### 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
Studio lesson, per lesson per student.....	\$1.00 to 6.00
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 will be made in accordance with the following schedule which refers to calendar days commencing on the date of the term when instruction begins:

Period	Per Semester	Amount
1-30 days .....		100% of fee
31-60 days .....		75% of fee
61-90 days .....		50% of fee
91 to end .....		25% of fee

### Parking Fee Refund Schedule

This schedule of refunds refers to calendar days commencing on the date of the term when instruction begins:

Period	Per Semester	Amount
1-30 days .....		75% of fee
31-60 days .....		50% of fee
61-90 days .....		25% of fee
91 to end .....		none

## 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*

<i>Units</i>	<i>Load</i>	<i>Single</i>	<i>1 Dependent</i>	<i>2 Dependents</i>
14 or more	Full	\$110	\$135	\$160
10 to 13	$\frac{3}{4}$	\$ 80	\$100	\$120
7 to 9	$\frac{1}{2}$	\$ 50	\$ 60	\$ 80
1 to 6	Less than $\frac{1}{2}$	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. 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.

## **Student Services**

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 the students express a need for such an organization which will add to the educational opportunities of the college. During 1960-61, the International Relations Club, the Oracles (Men's Service Club), the Associated Women Students, and a men's social fraternity were formed.

### *Student Publications*

The weekly college newspaper, *The Titan Times*, and a yearbook, are products of the journalism class. A student handbook will make its first appearance in the Fall of 1961 and will serve to orient the incoming students to life at Orange County State College.

### *Athletics*

Under the direction of the Associate Dean of Students, Activities, a committee of students and faculty has been organized to plan a year-round program of intramural athletics. Softball, basketball, volleyball, tennis, and many other sports will be offered.

A 26-game intercollegiate basketball schedule was arranged for 1960-61 with many state colleges and universities in California. Home games are played in the Fullerton Junior College gymnasium. Under the tutelage of Coach Alex Omalev, the Titan team enjoyed an outstanding record for its first season of intercollegiate competition. Early season games were held with Long Beach, Los Angeles, and Sacramento State Colleges. The teams entered the Redlands Tournament at the start of the season, winning two of its three games played to take third place. Trips to the Bay area and to Arizona were features of the first year schedule.

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.

### *Other Activities*

There are music and drama productions at the college. An active forensics program is already under way.



## 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. 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, while graduates may inquire here for listings and referrals involving full-time positions and careers. Alumni who wish to use this service must keep the Placement Office advised of any change of address or place of employment. The College Placement Office was established on a full-time basis January 1, 1961.



## COURSES OF STUDY

### BACHELOR OF ARTS DEGREES AVAILABLE

#### **Division of Business Administration and Economics**

Business Administration and Economics

Economics

#### **Division of Education and Psychology**

Psychology

#### **Division of Humanities**

Humanities

English

#### **Division of Science and Mathematics**

Biological Sciences

Mathematics

#### **Division of Social Sciences**

Social Sciences

Geography

History

#### **Division of Speech and Fine Arts**

Speech and Drama

Language Arts

Music

#### **Activities**

Under the direction of the Associate Dean of Student Activities, a number of students and faculty has been organized to plan a year-round program of intramural activities. Softball, basketball, volleyball, tennis, and many other sports will be offered.

A 25-game intercollegiate basketball schedule was arranged for 1956-57 with thirty state colleges and universities in California. Home games are played in a Fullerton Junior College gymnasium. Under the tutelage of Coach Alex Orsini the Titan team enjoyed an outstanding record for its first year of intercollegiate competition. Early season games were held with Long Beach, Los Angeles, Sacramento State College. The team entered the Redlands Tournament as one of the seven winning two of its three games played in that first two trips to the Bay area and its Arizona were features of the first year schedule.

In the spring of 1957 a group of Orange County colleges organized a Boost Club to help boost intercollegiate athletic competition at Orange County State College. Its members are dedicated to the encouragement of a new program of athletics and are contributing funds and time by way of volunteerism in helping to develop a first rate athletic program based on a well rounded concept of the relationship between sports and academic achievement.

#### **Other Activities**

There are music and drama productions at the college. An active forensics program is already under way.

## COURSES AND DIVISIONS

### COURSES

Accounting  
 Art  
 Biology  
 Chemistry  
 Comparative Literature  
 Drama  
 Economics  
 Education—Elementary  
 Education—Foundations  
 Education—School Services  
 Education—Secondary  
 English  
 Finance  
 French  
 Geography  
 German  
 Health, Physical Education, and Recreation  
 History  
 Journalism  
 Language Arts  
 Management  
 Marketing  
 Mathematics  
 Music  
 Philosophy  
 Physics  
 Political Science  
 Psychology  
 Russian  
 Sociology  
 Spanish  
 Speech

### DIVISIONS

Business Administration and Economics  
 Speech and Fine Arts  
 Science and Mathematics  
 Science and Mathematics  
 Humanities  
 Speech and Fine Arts  
 Business Administration and Economics  
 Education and Psychology  
 Education and Psychology  
 Education and Psychology  
 Education and Psychology  
 Humanities  
 Business Administration and Economics  
 Humanities  
 Social Sciences  
 Humanities  
 Education and Psychology  
 Social Sciences  
 Humanities  
 Humanities, Speech and Fine Arts  
 Business Administration and Economics  
 Business Administration and Economics  
 Science and Mathematics  
 Speech and Fine Arts  
 Humanities  
 Science and Mathematics  
 Social Sciences  
 Education and Psychology  
 Humanities  
 Social Sciences  
 Humanities  
 Speech and Fine Arts



## GENERAL COURSE NUMBERING CODE

### *First Digit*

- 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
- 300-399 upper division courses of junior and senior level which do *not* give graduate credit toward a master's degree
- 400-499 upper division courses of junior and senior level which may give graduate credit toward a master's degree by arrangement
- 500-599 graduate courses limited to graduate students

### *Second Digit*

The second digit is used to designate the content area of the course, with variations within each Division.

### *Third Digit*

- 0-independent study
- 1-beginning and core courses
- 2, 3, 4, 5, 6-sequence of courses
- 7-seminars (undergraduate)
- 8-workshops
- 9-field work and student teaching

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. This is presented when available.

## 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

*Associate Professors:* Li, Lyons, Rizzardi

*Assistant Professors:* Fyfe, Graves

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 the languages, viz. 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 1961-62, intermediate algebra will be a prerequisite for entrance to the program. For 1962-63, college 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: General Business, Accounting, Business Education, Economics, Finance, Management, Marketing.

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

Candidates for the bachelor's degree in the Division of Business Administration and Economics are required to earn not less than 60 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 in the Division of Business Administration and Economics.

Course	Units
Economics 300. Principles of Economics	5
Accounting 300. Elementary Accounting	5
Economics 321. American Economic History	3
Mathematics 301. Elementary Statistics	3
Economics 331. Elements of Business and Economic Statistics	3
Finance 332. Business Finance	3
Management 341. Industrial Organization and Management	3
Management 346. Business Law I	3
Marketing 351. Principles of Marketing	3
Management 443 Business Policies or	
Economics 455. Government Regulation of Economic Activity	3
	<b>34</b>

## AREAS OF CONCENTRATION

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

General Business	Units
Accounting 304. Managerial Accounting .....	3
Management 342. Production Planning, Layout, and Control or	
Marketing 353. Salesmanship and Sales Administration .....	3
Management 442. Administrative Policies and Organization .....	3
Management 446. Managerial Economics .....	3
<b>Accounting</b>	
301. Intermediate Accounting .....	3
302. Cost Accounting .....	3
401. Advanced Accounting .....	3
402. Federal Income Tax or .....	
305. Auditing .....	3
<b>Economics</b>	
324. Money and Banking .....	3
401. Intermediate Economic Theory and Analysis .....	3
402. National Income Analysis .....	3
403. Comparative Economic Systems .....	3
<b>Finance</b>	
304. Managerial Accounting .....	3
431. Investment Banking .....	3
432. Fundamentals of Investments or	
Management 446. Managerial Economics .....	3
433. Public Finance .....	3
<b>Management</b>	
342. Production Planning, Layout, and Control .....	3
343. Personnel Management and Human Relations .....	3
442. Administrative Policies and Organization .....	3
446. Managerial Economics .....	3
<b>Marketing</b>	
353. Salesmanship and Sales Administration .....	3
354. Principles of Advertising .....	3
452. Market Research .....	3
453. Distribution Costs .....	3

**Business Education****LOWER DIVISION**

	Units
Economics 300. Principles of Economics .....	5 or 6
Accounting 300. Elementary Accounting .....	6
Typewriting .....	2
	<hr/> 13

**UPPER DIVISION**

Management 346. Business Law .....	3
Mathematics 301. Elementary Statistics .....	3
Management 341. Industrial Organization and Management .....	3
Marketing 351. Principles of Marketing .....	3
One of the following:	
Economics 325. Economics of Consumption .....	3
Economic Geography .....	3
20 units of work in at least two of the following fields of concentration, one of which must be accounting .....	20
Accounting	
Secretarial	
Marketing (Merchandising)	
Business Management	
Business Education 442 .....	3
	<hr/> 41

Plus six months of vocational experience

Total 54-55

**MAJOR IN ECONOMICS**

The Economics major is designed to prepare students for managerial and professional positions in business, education and government; and students wishing to pursue graduate studies in Economics and related disciplines.

In order to major in Economics, the student must complete the following course requirements:

1. The core of Business Administration courses
2. Intermediate Economic Theory (Economics 301), National Income Analysis (Economics 302), and the History of Economic Thought (Economics 405)
3. Nine hours of additional Economics courses selected from those labeled 400 and above.

**MINORS IN ECONOMICS AND BUSINESS ADMINISTRATION**

A minor in Business Administration may be achieved by taking the Core courses in Business Administration.

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

(20 credit hours)

	Units
Economics 300. Principles of Economics .....	5
Economics 321. American Economic History .....	3
Economics 324. Money and Banking .....	3
Economics 326. Labor Economics, or another Economics course .....	3
Economics 401. Intermediate Economic Theory and Analysis .....	3
Economics 403. Comparative Economic Systems .....	3
	<hr/> 20



## **BUSINESS ADMINISTRATION AND ECONOMICS ACCOUNTING**

### **300. Elementary Accounting (5)**

Accounting concepts and techniques essential to the administration of a business enterprise, analysis of transactions, preparation of financial statements, fundamentals of partnership and corporation accounting, introduction to manufacturing accounting, analysis of financial statements.

### **301. Intermediate Accounting (3)**

Prerequisite: Accounting 300. Corequisite: Finance 332. Consideration of the intermediate level of accounts and transactions peculiar to the partnership and corporate types of organization; basic concepts of accounting theory; interpretation of financial statements.

### **302. Cost Accounting (3)**

Prerequisite: Accounting 300. The development of accounting information which will help management in the minimization of manufacturing and operating costs of business. Particular emphasis is given to standard costs as a device for cost control.

### **303. Governmental Accounting (3)**

Prerequisite: Accounting 300. Accounts of institutions, municipalities, state and federal governments; organization, procedure, budgets.

### **304. Managerial Accounting (3)**

Prerequisite: Accounting 300. (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)**

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

### **306. Cost Control (3)**

Prerequisite: Accounting 302. A study of persistent and current problems in cost accounting, theories of cost allocation and absorption, distribution cost analysis, flexible budgeting, responsibility accounting, cost accounting for government contract purposes.

### **401. Advanced Accounting (3)**

Prerequisite: Accounting 301. Reserves, sinking funds, actuarial methods, investments, partnerships, statements for special purposes, receiverships, consolidated balance sheets, foreign exchange.

### **402. Federal Income Tax (3)**

Prerequisite: Accounting 300. Basic discussion of the history, theory, and broad outlines of federal income taxation.

### **403. C.P.A. Problems and Review (3) (on demand)**

Prerequisites: Accounting 305, 401. Selected problems from C.P.A. examinations; analysis and revision of statements, partnerships, corporations, quasi-reorganization, mergers, and others; accounting theory, auditing and ethical considerations as they relate to management, stockholders, and the public.

### **408. Integrated Data Processing Systems (2)**

Prerequisite: Senior standing. A survey of integrated systems for the collection, processing, and transmission of information; general-purpose and special-purpose equipment; introduction to programming; case studies of operating systems.

## ECONOMICS

### 300. Principles of Economics (5)

An introduction to the major subject areas of economic analysis and policy including: price and output determination under the various types of market structures, national income determination, money and banking, government regulation of industry, labor relations and international trade. (Prerequisite for all Economic courses.)

### 301. Intermediate Economic Theory and Analysis (3)

A development of value and distribution; problems and policies of price determination for both the firm and the industry.

### 302. National Income Analysis (3)

Prerequisite: Economics 401 or consent of instructor. Analysis of the forces determining the level of national income and employment and an evaluation of the public policies designed to deal with the problem of economic instability.

### 321. American Economic History (3)

Main events and leading personalities in the economic development of the United States; agriculture, industry, commerce, finance, transportation, the trust movement, and the labor movement.

### 322. European Economic History (3)

The evolution of the economic institutions of modern Europe in relation to the development of industry, commerce, transportation, and finance in the principal European countries.

### 324. Money and Banking (3)

(Same as Finance 331.) A study of American monetary institutions including an analysis of the influence of money and monetary institutions on the level of prices, income and employment, and the use of monetary techniques for price and income stabilization.

### 325. Economics of Consumption (3)

Analyses of populations, personal income distribution, consumption theories, savings and price movements; aggregate consumption expenditures and consumer choices.

### 326. Labor Economics (3)

A study and interpretation of labor law, labor history, labor unions, wages and employment. Designed to help the beginning student understand labor-management issues and problems of public policy.

### 331. Elements of Business and Economic Statistics (3)

Prerequisite: Mathematics 301. Methods of collection of data, presentation, and interpretation, index numbers, time series, and simple correlation.

### 403. Comparative Economic Systems (3)

The economics of capitalism, socialism, communism, and fascism.

### 404. The Soviet Economy (2)

An analytical survey of Soviet economic development; structure and performance of the economy, problems of planning and control.

### 405. History of Economic Thought (3)

Prerequisite: Economics 401. A study of the development of economics; contributions of schools of thought and of individual economists as they influenced economic thought and national and international policies.



#### **411. Business Cycles (3)**

Prerequisite: Economics 324. Fundamental factors in business cycles and business fluctuations; study of current business conditions beginning early in the course and developing into practical application of forecasting methods.

#### **421. International Economics and Foreign Trade (3)**

Elementary principles of foreign trade, principles of comparative cost, the balance of international payments, barriers to international trade, and recent developments in the international economy.

#### **444. Labor Law and Legislation (3)**

(same as Management 444)

#### **445. Economics of Transportation (3)**

(same as Management 445)

#### **446. Managerial Economics (3)**

(same as Management 446) Application of analytical methods to the solution of various business problems; relationship between the individual business enterprise and the economy as a whole; character of the demand for its product; costs; output; prices; profits. Short-range and long-range planning for a business enterprise.

#### **451. Public Finance (3)**

Federal, state, local; principles of taxation; government borrowing, national debt, fiscal policy, and inter-governmental fiscal relations.

#### **452. State and Local Finance (3)**

An analysis of the fiscal systems of state and local governments with special emphasis on state and local tax systems.

#### **453. Economics of Public Utilities (3)**

Economic characteristics of utility industries; valuation, rate structure, management; state and federal regulation.

#### **455. Government Regulation of Economic Activity (3)**

Prerequisite: Economics 401. Analysis of the reasons for, and the impact of, regulation on various segments of business and commercial activities.

### **FINANCE**

#### **331. Money and Banking (3)**

(Same as Economics 324) Prerequisite: Economics 302. A study of the United States monetary system; commercial and savings banks; the Federal Reserve System; other credit-granting and financing institutions.

#### **332. Business Finance (3)**

Prerequisites: Accounting 300 and Finance 331. Types of business organization; sources of long and short-term capital.

#### **334. The Economics of Insurance (3)**

The principles of life; health and accident; liability and social insurance; property and business insurance; and methods of establishing risks and rates.

#### **336. Real Estate (3)**

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

#### 431. Investment Banking (3)

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 security markets.

#### 432. Fundamentals of Investments (3)

Prerequisite: Finance 332. Analysis of different types of corporate securities: commercial, industrial, and public utility; the role of mutual and closed-end investment trusts. Special consideration is given to investment purposes and objectives.

#### 433. Public Finance (3)

(Same as Economics 451) Prerequisite: Economics 302. Federal, state, local; principles of taxation; government borrowing, national debt, fiscal policy, and inter-governmental fiscal relations.

### MANAGEMENT

#### 341. Industrial Organization and Management (3)

Prerequisite: Economics 300. Principles of administration as applied to the organization and operation of manufacturing; elements of organization, plant location and layout, materials procurement and handling, production planning and control, salary administration, and other aspects of supervision and management.

#### 342. Production Planning, Layout, and Control (3)

Prerequisite: Management 341. The management of manufacturing activities; a survey of the internal operation of factories; research and design of products, plant facilities and layout; inventory and production control, purchasing, and materials handling; safety; production standards and wage incentives; motion and time study; quality control and product inspection.

#### 343. Personnel Management and Human Relations (3)

Prerequisite: Management 341. An introduction to the organization, training, motivation, and direction of employees with consideration to productivity and worker morale. Among specific topics covered are selection, training, compensation, work standards, performance appraisal, supervision, and leadership.

#### 346. Business Law I (3)

The philosophy and role of law as it applies to business operations; the fields of contracts, agency, sales, and personal property; conditions under which professional legal advice should be sought.

#### 347. Business Law II (3)

Bailments, sales, negotiable instruments, business organizations, and allied materials.

#### 441. Management-Union Relations (3)

Prerequisite: Management 341. Provides interpretation and understanding of the impact of management and union institutions on employee relations. Topics considered are labor union structure, aims and operations; management objectives and functions; collective bargaining agreements; wage bargaining; industrial conflict and dispute settlements; labor relations legislation and public intervention in management-union disputes.

#### 442. Administrative Policies and Organization (3)

Prerequisite: Management 341. Development of administrative organizations and the determination of policies for the integration of major activities of a business enterprise.

#### 443. Business Policies (3)

Prerequisites: Finance 331, Management 341, and Marketing 351. Accounting, finance, production, marketing, and organization and administration. Objective: to show the need for understanding the different facets of a business and their inter-relationships. Case method used.



**444. Labor Law and Legislation (3)**

Prerequisite: Management 343 and Management 441. Federal and State laws and regulations affecting labor-management relations. The history and development of labor law and legislation as well as their implications on collective bargaining; arbitration; mediation; wages and hours, and related areas.

**445. Transportation and Traffic Management (3)**

Prerequisites: Management 341 and Marketing 351. The economics of transportation; classification and rate structure; functions and duties of a traffic manager.

**446. Managerial Economics (3)**

Application of economic analytical methods to the solution of various business problems; relationship between the individual business enterprise and the economy as a whole; character of the demand for its product; costs; output; prices; profits. Short-range and long-range planning for a business enterprise.

**447. Statistical Quality Control (3)**

Prerequisites: Economics 331 and Management 342. Application of statistical methods in the control of product quality. The development and application of quality control charts. Methods and practices of industry are analyzed.

**449. Wage and Salary Administration (3)**

Prerequisite: Management 444. Theory of wages; factors and methods of determination, incentive systems; relation to other industrial relations functions. Various company executive and supervisory compensation plans are analyzed and discussed.

## **MARKETING**

**351. Principles of Marketing (3)**

Prerequisite: Economics 300. Marketing organization and methods for the individual business with serious consideration for 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 the marketing activity; and an evaluation of the present marketing system.

**352. Principles of Retailing (3)**

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. Salesmanship and Sales Administration (3)**

Prerequisite: Marketing 351. A survey of personal selling, selling techniques, and strategy. Investigation by case studies of major problems facing the sales executive, including product planning, market analysis and sales potentials; sales organization, involving the recruitment, hiring, training, supervision, evaluation, and control of sales personnel.

**354. Principles of Advertising (3)**

Prerequisite: Marketing 351. Fundamentals of advertising and techniques in the planning and directing of advertising programs, as they fit into the area of mass communication in marketing strategy.

**355. Credit and Credit Administration (3)**

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. Economics of Consumption (3)**

(Same as Economics 325) Analyses of population, personal income distribution, consumption theories, savings and price movements; aggregate consumption expenditures and the problem of consumer choices.

**451. Marketing Problems (3)**

Prerequisite: Marketing 351. It is recommended that the student have completed at least two advanced marketing courses. Case studies of problems facing the marketing executive; identification of the problems; procedures to be adopted in finding satisfactory solutions.

**452. Market Research (3)**

Prerequisites: Marketing 351, Economics 331. Techniques of planning, research, and analysis as an aid in solving product development, promotional, and distribution problems. Practical application is emphasized through class projects and case problems.

**453. Distribution Costs (3)**

Prerequisite: Marketing 351. The development of quantitative measures for the marketing activity. Cost factors covering distribution 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.

**456. International Economics and Foreign Trade (3)**

(Same as Economics 421) Prerequisite: Economics 300. Elementary principles of foreign trade, principles of comparative costs, the balance of international trade, recent developments in free trade.

**BUSINESS EDUCATION**

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

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, Ehmann, Hartsig, Lay, McComb

*Associate Professors:* Croy, Hill, Imhoff, Pastor, Stanley, Turner

*Assistant Professors:* Hoff, Jones, Spolyar

*Instructor:* Bristow

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 lay 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-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: biological sciences, business administration and economics, economics, English, geography, history humanities, language arts, mathematics, music, psychology, social sciences, and speech and drama. 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. The "Plan for Major, Allied Studies, and Credential" must be filed with the Registrar before completing registration for the second semester of work at OCSC.

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

*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 in the 1961-62 catalog.

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 in the 1961-62 catalog.

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 in the 1961-62 OCSC catalog.

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 in the 1961-62 catalog.\*

*Total Upper Division*..... 60-70

*Total Units Required for the Bachelor of Arts Degree*..... 124

(Other requirements are shown in the 1961-62 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

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

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: biological sciences, business administration and economics, economics, English, geography, history, humanities, language arts, mathematics, music, psychology, social sciences, and speech and drama. The composition of these majors is described in "Regulations and Program Components of the Elementary School Teacher Education Program," available from the college. The "Plan for Major, Minor, and Credential" must be filed with the Registrar before completing registration for the second semester of work at OCSC.

### III. Courses for the *Minor*

Each student will complete a minor planned with and approved by his major adviser and his professional adviser. The "Plan for Major, Minor, and Credential" must be filed with the Registrar before completing registration for the second semester of work at OCSC.

### 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 1961-62 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

	<i>Units</i>
<i>Courses for Distribution in Liberal Arts</i> .....	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:	
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p><i>Area I:</i> ..... 12 units*</p> <p>Communication</p> <p>Fine Arts</p> <p>Humanities</p> <p>Literature</p> <p>(Minimum of six units in practical arts and fine arts.)</p> <p>(Minimum of six units in communicative arts.)</p> </div> <div style="width: 48%;"> <p><i>Area III:</i> ..... 12 units*</p> <p>Anthropology</p> <p>Economics</p> <p>Geography</p> <p>History</p> <p>Political Science</p> <p>Sociology</p> </div> </div>	
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p><i>Area II:</i> ..... 12 units*</p> <p>Life Science</p> <p>Mathematics</p> <p>Physical Science</p> <p>Psychology</p> <p>(Minimum of six units in science and mathematics)</p> </div> <div style="width: 48%;"> <p><i>Area IV:</i> ..... 2 units*</p> <p>Health</p> <p>Physical Education</p> </div> </div>	
Electives for diversification from Areas I, II, and III, and excluding the major and minor .....	12 units
<i>Courses for the Liberal Arts Major</i> .....	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: biological sciences, business administration and economics, economics, English, geography, history, humanities, language arts, mathematics, music, psychology, social sciences, 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. The "Plan for Major, Minor, and Credential" must be filed with the Registrar before completing registration for the second semester of work at OCSC.	
<i>Courses for the Liberal Arts Minor</i> .....	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. The "Plan for Major, Minor, and Credential" must be filed with the Registrar before completing registration for the second semester of work at OCSC.	
<i>Courses for the Pre-Service Professional Education</i> .....	23*
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.

### THREE-YEAR PROGRAM IN PROFESSIONAL EDUCATION (for the student who has completed junior college, only)

#### First Year at OCSC

<i>Semester I</i>	<i>Units</i>	<i>Semester II</i>	<i>Units</i>
Educ. 340A Practicum in Secondary Education .....	1	Educ. 340B Practicum in Secondary Education .....	1

#### Second Year at OCSC

Educ. 311 Psychological Founda- tions of Education .....	6	Educ. 441 Principles of Secondary Education .....	2
		— 442 Secondary School ( <i>the</i> <i>Major</i> ) .....	3

#### Third Year at OCSC

Educ. 549 Student Teaching in the Secondary School and Student Teaching Seminar .....	8	Educ. 501 Philosophy of Education .....	2
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Two-Year Pre-Service Professional Education Program (for the student who has completed three years of college and eighty percent of his major and minor)

### TWO-YEAR PROGRAM IN PROFESSIONAL EDUCATION (for the student who has completed three years of college)

#### First Year of the Two Years

<i>Units</i>	<i>Units</i>
Educ. 311 Psychological Foundations of Education ..... 6	Educ. 441 Principles of Secondary Education ..... 2
	— 442 Secondary School ( <i>the Major</i> ) ..... 3

#### Second Year of the Two Years

##### Option I

Educ. 549. Student Teaching in the Secondary School and Student Teaching Seminar .....	8	Educ. 446. Secondary School Cur- riculum .....	4
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##### Option II

(Internship)

This plan may be carried out either semester.

	<i>Units</i>
Educ. 549. Student Teaching in the Secondary School and Student Teaching Seminar .....	8
Educ. 446. Secondary School Curriculum .....	4
<i>Elective Courses</i> .....	25

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 for 1961-62 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.

\* To be interpreted as minimum of 20 units, minimum of 23 units, etc.



## 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 application for a credential must be accompanied with a fee of \$ 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 state subject requirements for the General Elementary Credential may do so through the following courses at Orange County State College:

### California State Requirements

1. Principles and Curricula of Elementary Education
2. Elementary methods in basic subjects
3. Child Growth and Development
4. Audio-Visual Education

### Orange County State College Courses Which Meet These Requirements

Education 431 or Education 331  
Education 331, Art 432, For. Lang. 432,  
Educ. 432, Eng. 432, Math. 432, Mus.  
432, PE 432, Sci. 432, SS 432, Speech  
432  
Education 311, 312  
Education 331, 491

## 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.\*

## 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 lan-

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



guage 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 college Health Service. 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.

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. In addition, the applicant for admission to student teaching must display above average scholarship in all collegiate work, in all work attempted at Orange County State College, and in his major. Marks of C, or better, are required in all professional education courses. Applicants for admission to student teaching must be within 15 units of the baccalaureate degree or be classified as postgraduate students. 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 proficiency 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 early in 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 ample 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 post-graduate 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 the performance and the problems of the student teachers.

## **STUDY LIST LIMITS OF STUDENT TEACHERS**

The college offers two courses in student teaching: Education 439, 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 439, 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 439 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 439 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

### **FOUNDATIONS OF EDUCATION**

311. **Psychological Foundations of Education (6) F, S**  
Prerequisite: General 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



tion, 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.

The following courses carry dual listings between the Division of Education and Psychology and other divisions. The courses are professional education courses and applicable toward the credential requirements. The descriptions of the courses are to be found in the materials of other departments and divisions of this catalog. Each student will be required to complete a field work assignment in a secondary school. Prerequisites: Education 311, Education 441 or co-registration with Education 441, admission to teacher education, or consent of instructor.

Bus. Ed. 442. Secondary School Business Education (2 or 3) S

Engl. 442. Secondary School English (2 or 3) F, S

For. Lang. 442. Secondary School Foreign Language (2 or 3) F

Journ. 442. Secondary School Journalism (2 or 3) S

Math. 442. Secondary School Mathematics (2 or 3) S

Music 442. Secondary School Music (2 or 3) S

PE 442. Secondary School Physical Education (2 or 3) S

Science 442. Secondary School Science (2 or 3) S

So. Sci. 442. Secondary School Social Studies (2 or 3) F, S

Speech 442. Secondary School Speech (2 or 3) S

#### 443. Principles of Core Curriculum (2) S

Prerequisite: Teaching experience or consent of 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.

#### 446. Secondary School Curriculum (4) F, S

Prerequisite: Educ. 549 or concurrent enrollment in Educ. 549. Philosophical foundations of secondary education, contemporary curriculum organization and practices, contemporary issues within secondary education theory, and organization and administration of the secondary school. Paper or project of creative, analytic, or review of literature type is required. Designed for students who expect to complete the professional education sequence of the secondary school teacher education curriculum in two years.

#### 542SS. Seminar in Social Studies Education (3) Summer

Prerequisite: consent of instructor. Recent trends, research, literature, curriculum developments in social studies education. For experienced teachers only.

#### 547. Seminar for Secondary Education (3) F

Prerequisite: Educ. 549 or consent of 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.

**351. Principles of Guidance (2) F, S**

Prerequisites: Psych. 311, 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, 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.

**471. Gifted Children (2) F, S**

Prerequisites: Educ. 311, Educ. 331, 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, 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 mal-adjusted, 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. 331 or Educ. 441, or consent of instructor. Equipment and materials of audio-visual education; principles of development and curricular function; evaluation. Educational films and projectors, flannel board, film-strips, models, tape recorder, television, etc. Development of instructional materials for immediate use in classrooms. Includes laboratory.

**HEALTH, PHYSICAL EDUCATION, AND RECREATION**

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

Prerequisite: Ed. 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. (1 hour lecture, 2 hour activity.)

**442. Secondary School Physical Education (2-3) F**

Prerequisites: Ed. 311, Ed. 441. This is one of a series of professional courses intended for prospective secondary school teachers. This course will include consideration of objectives, methods, materials, and problems involved in teaching in the field of physical education; observation in junior and senior high schools. This methods course should be taken prior to the student teaching course. (1 hour lecture, 2 hours activity.)



#### 443. Theory of Recreation (2) F

Prerequisite: By consent of 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: By consent of instructor. A theory and activity course in which the role of leadership is emphasized in the planning, organization, administration, and evaluation of recreation programs and activities in recreation agencies. Laboratory experiences and practice included. (1 hour lecture, 2 hours activity.)

### 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 30 units of upper division work will constitute a major in psychology. Fifteen units are prescribed below:

	Units
Psych. 441. Abnormal Psychology .....	3
Psych. 421. Physiological Psychology .....	3
Psych. 461. Psychological Testing .....	3
Psych. 451. Social Psychology .....	3
Psych. 431. Theories of Personality .....	3

A minimum of 15 units will be selected from psychology courses in consultation with the academic adviser to fulfill the student's professional and occupational interests.

#### Recommended Related Courses

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

#### 311. Educational Psychology (3) F, S (formerly 411)

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.

#### 412. Psychology of Learning (3) S

Prerequisite: Psy. 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) F

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. Normal Emotional Dynamics (3) S**

Prerequisite: Psy. 441. Dynamics of the adjustment processes. Emphasis upon positive factors in the individual, group, and community conducive to improving mental health.

**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, 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 (3) F, S**

See Educ. 471.

**472. Exceptional Children (3) F, S**

See Educ. 472.

**481. Survey of Clinical Psychology (3) F**

Prerequisites: Psy. 431, 441, 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 (formerly 471)**

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.



## DIVISION OF HUMANITIES

*Associate Professors:* Alamshah, Becker, Mathieu, Maxwell, Ramsay

*Assistant Professor:* Alexander

*Instructor:* Jamgotch

The Division of Humanities includes the departments of English, Philosophy, Journalism, and Foreign Languages and Comparative Literature. The major and minor in liberal arts in this division are designed for students who desire a broad interdisciplinary undergraduate education.

The faculty conceives its aims to be the improvement of man's relation to man and of the individual to himself; competent instruction in languages and literature which comprise world culture; joint effort with the faculty as a whole to achieve the broadest possible development of all who come to the college for instruction and guidance. To this end, instruction in the Humanities is conceived as a need of, as well as a complement to, general education and the discipline of the physical and social sciences.

The faculty is convinced that students need education in the Liberal Arts, and that the studies called the Humanities are an integral part of such an education. The faculty stands committed to the education of students for the teaching profession, for graduate study, and for a humane approach to life and living.

## MAJOR IN THE HUMANITIES

The Division of the Humanities offers courses in English, Journalism, Philosophy, Comparative and World Literature, and Foreign Languages, including majors and a minor in specifically designated areas of these disciplines.

Students seeking a bachelor's degree in the Humanities as a Division major must include concentration in *two* or *three* of the above named fields. The Humanities major is designed (1) for students who seek a broad liberal education, (2) for prospective teachers of the Humanities subjects who will require an effective knowledge of human civilization, and (3) as a major for elementary credential candidates. Suitable work taken in Drama, English, History, and Speech most appropriately reinforces the Humanities major when elected under guidance by the adviser.

The Division of the Humanities assumes that students entering the upper division level have had adequate lower division preparation in the subject fields in which they intend to concentrate. In addition, students are expected to pursue an interest in the social and natural sciences.

## DEGREE REQUIREMENTS

### HUMANITIES MAJOR

#### A. Lower Division

1. Six units in Art, Literature, or Philosophy (General Education requirement)
2. Six units in one of the following fields (not including units used to fulfill requirement No. 1 above):

Art  
Dance  
Drama  
English

A Foreign Language  
History  
Journalism  
Literature  
Music

Philosophy  
Speech  
Other fields, by  
approval

Additional units are recommended if the student intends to pursue upper division or graduate work in a given field.

3. Lower division subject deficiencies may be removed by upper division courses in the same subject if offered here and student qualifies.

## **B. Upper Division**

1. Students pursuing a group major in two of the fields mentioned above (first paragraph):
  - a. 12 units minimum in first field
  - b. 9 units minimum in second field
  - c. 24 units minimum in both fields
  - d. 12 more units in any Humanities fields for an upper and lower division combined total of 36 in Humanities excluding General Education requirements. (Exceptions: Art and Music; see subject area requirements)
2. Students pursuing a group major in three fields:
  - a. 9 units minimum in the first field
  - b. 6 units minimum in the second field
  - c. 6 units minimum in the third field
  - d. 24 units minimum in all three fields
  - e. 12 more units in any Humanities fields for an upper and lower division combined total of 36 in Humanities, excluding General Education requirements.

## **BACHELOR OF ARTS DEGREE WITH MAJOR IN ENGLISH**

*Requirements:* (Beyond the basic General Education course in writing and literature or Basic Communication) a total upper and lower division of 36 units.

### **Lower Division**

World, American, or English Literature

Course work in speech or drama

Course in journalism

Composition (may be second semester of Basic Communication of freshman English)

Survey of English Literature (may also be counted toward literature requirement in General Education)

(If these are not included in lower division, they can be taken on the upper division level, but they cannot then be used to meet the upper division minimum requirements.)

### **Upper division: 24 units, minimum**

Basic Core Requirements (12 units required)

322A, B. American Literature

434, 435. Chaucer or Milton

436A (Formerly 432A) Shakespeare's Major Plays

Period Courses (6 units required)

436B. (Formerly 432B) Shakespeare and Contemporaries

342. 18th Century English Literature

343. Romantic Literature

Specialized Courses (6 units required)

466A, B. Poetry

462A, B. Novel

464A, B. Drama

454. History of the English Language

452A, B. Advanced Language Analysis

312A, B. Advanced Expository Writing

314A, B. Advanced Creative Writing

497A, B. Senior Seminars

Course in Comparative or Literature in translation



## BACHELOR OF ARTS DEGREE WITH MAJOR IN LANGUAGE ARTS \*

Bachelor of Arts Degree with Minor in Language Arts \*

### DEPARTMENT OF JOURNALISM

The journalism department 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 journalism program will help 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. It will also benefit those who wish only a better understanding of the function of the mass media in a democratic society.

The news communication, educational, and commercial responsibilities of the mass media have developed to a point which makes imperative the preparation of highly qualified students for the many socially valuable positions which the field encompasses.

#### *Journalism Minor*

Lower Division Requirements, 9 units

World, American, or English Literature ..... 3

Course work in speech or drama ..... 3

Course in journalism, radio, or television ..... 3

Upper Division Requirements: 12 units

### DEPARTMENT OF FOREIGN LANGUAGES AND COMPARATIVE LITERATURE

The study of a second language is both a formative experience and a progressive acquisition of a skill.

As a formative experience, the assimilation of another language and culture brings lasting educational values. At every step of the learning process, it opens new vistas of thought through a gradually deepening knowledge of other peoples and their literature. In learning to react in a different medium of communication, the student discovers that language not only conveys thought but shapes it, that speakers of different languages see relationships, and interpret experiences in different ways, in short, that language is culture.

As a skill, a foreign language is of practical advantage when communicating with people of other cultures, either for business or pleasure. The role of the United States in world affairs makes it a matter of national urgency that more and more of our citizens be able to freely communicate with other peoples. In graduate study research, travel, military service, government, and business, exchange of students and teachers, and innumerable other recreational and professional pursuits foreign language proficiency is a valuable asset, if not a requirement. It also enhances social and salary opportunities here and abroad.

### DEPARTMENT OF PHILOSOPHY

The philosophy department offers a possible field of study for the two- or three-field major in the Humanities. In choosing philosophy for such an objective the student avails himself of a thorough grounding in human values and human ways of thinking. Philosophy concerns itself with the foundations and structures of human values and knowledge, as well as the implications which these subjects

\* Described in Division of Speech and Fine Arts.

carry for the life of society. Course work is designed to give breadth of understanding in these areas to interested students, and to prepare for graduate school those who are interested in obtaining higher degrees. The area of research and study most emphasized at the present time are those of ethics, theory of knowledge, and the systems of thought of the great individual philosophers.

The philosophy curriculum has been designed to achieve the following objectives: (1) to prepare fellow human beings for philosophical thinking, (2) to increase interest in the field, and (3) to produce precision in the handling of philosophic problems.

### COMPARATIVE LITERATURE

#### 324A. The Main Streams of World Literature (3) F, S

A survey of the main streams of both Oriental and Western literature as reflected in literary works that have influenced our cultural heritage. Fall Semester: from the beginnings to the Renaissance. Conducted in English.

#### 324B. The Main Streams of World Literature (3) F, S

Continuation of Literature 324A. From the Renaissance to today. Conducted in English.

#### 301A. Masters of World Drama (3) F, S

Reading, discussion, and interpretation of outstanding plays in translation with a view to determining some principles of the dramatic art. Fall Semester: Aeschylus, Sophocles, Lope de Vega, Racine, Molière, Goethe, Gogol, and others. Conducted in English.

#### 301B. Masters of World Drama (3) S

Continuation of Literature 301A. Spring Semester: Ibsen, Strindberg, Hauptmann, Rostand, Pirandello, Gorkyi, Lorca, Brecht, Sartre, and others. Conducted in English.

#### 302A. Masters of World Fiction (3) F, S

Reading, discussion, and interpretation of outstanding novels in translation with a view of determining some principles of the narrative arts. Fall Semester: Goethe, Stendhal, Flaubert, Tolstoy, and others. Conducted in English.

#### 302B. Masters of World Fiction (3) F, S

Continuation of Literature 302A. Spring Semester: Lagerlöf, Mann, Kafka, Proust, Camus, and others. Conducted in English.

#### 373. Masters of Russian Literature (2) F, S

The development of 19th century literature as seen in the works of Pushkin, Dostoyevsky, Tolstoy, Chekhov, and others with emphasis on the social and political movements which influenced their creation. Conducted in English.

#### 375. Hispanic Literature and Culture (3) F, S

A survey of Hispanic contributions to world culture, with emphasis on understanding contemporary Latin American civilization. Conducted in English.

#### Independent Study in (French, German, Hispanic, Slavic) Literature and Culture 407. (1-3) F, S

Prerequisite: three years of college credit and/or working fluency in target language. Directed reading and individual research in either French, German, Spanish, or Russian literature. Weekly oral and written reports. Conducted entirely in the target language. Open to concentrators capable of independent study and who have a working fluency in the target language. Permission of Departmental Chairman required.



For cognate courses in English and American literature acceptable for credit toward the B.A. degree in the Humanities, see listings in the Department of English, Humanities Division.

## ENGLISH

### 312A. Advanced Expository Writing (3) F

Weekly practice in organizing, drafting, and editing prose writing. Practice in analytic and critical essays, explanations and instructions, and persuasive writing. Strongly recommended for all teacher candidates.

### 312B. Advanced Expository Writing (3) S

Practice in writing the long report for business, school administration, and college courses. Feature articles and research write-ups for those who elect them. The writing in this semester will be mostly on subjects elected by the student.

### 314A. Advanced Creative Writing (3) F

Writing on special projects chosen by each student. Development of successful style. Group criticism and evaluation of each person's projects. Marketing and publication problems.

### 314B. Advanced Creative Writing (3) S

Continuation of the above course.

### 322A. American Literature I (3) F

American Literature to 1860. Featured authors are Mather, Edwards, Franklin, Paine, Irving, Hawthorne, Poe, Emerson, and Thoreau. Other authors are read as they bear upon the development of the American mind.

### 322B. American Literature II (3) S

Lectures, readings, and discussion centered upon the outstanding American writers since 1860.

### 342. 18th Century British Literature (3) F

Dryden, Pope, Johnson, Boswell, Addison, and Steele are included. The Age of Reason and foreshadowings of Romanticism.

### 343. Romantic Literature (3) S

Wordsworth, Coleridge, Byron, Shelley, and Keats are the major authors studied. The impact of the French Revolution on British thought and the rise of humanitarianism are studied.

### 372. The Bible as Literature (3) F or S

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 Judio-Christian tradition.

### 373. Russian Literature and Culture (3) F

Survey of Russian literature (read in English) and a survey of the characteristics of the cultural area which the literature reflects.

### 432. Elementary School Language Arts (2) F, S

Prerequisites: Educ. 311, admission to teacher education. The importance of the language arts to a satisfactory personality, 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.)

### 433. Children's Literature (2) F

Prerequisite: Education 311. Principles for interpreting, selecting, and evaluating children's literature; the part played by literature in the education of children.

**435. Milton (3) F**

Prerequisite: Survey of English Literature; an upper division course in literature, or consent of instructor. A study of the development of Milton's art and of the ideological backgrounds of his thought.

**436A. Shakespeare's Major Plays (3) F (Formerly 432A)**

Prerequisite: Survey of English Literature, an upper division literature or drama course, or consent of instructor.

*The Merchant of Venice, Richard III, Julius Caesar, Hamlet, Lear, Othello, Anthony and Cleopatra, and The Tempest* are studied intensively.

**436B. Shakespeare and Contemporaries (3) S**

Prerequisite: English 432A or consent of instructor. Marlowe, Kyd, Greene, Johnson, and others are studied as representative of dramatic trends in Elizabethan England. Shakespeare's histories and comedies.

**442. Secondary School English (2-3) F, S**

Prerequisites: Education 311, admission to teacher education. Principles, methods, and materials of teaching English in the secondary school.

**452A. Grammar for Writers and Teachers (3) F**

(Formerly Advanced Language Analysis)

Prerequisite: Senior standing, admission to teacher education, or consent of instructor. 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.

**454. History of the English Language (3) S**

Prerequisite: Senior standing or consent of instructor. The historical development of the major features of English phonology, morphology, and syntax.

(The following six courses were formerly "20th Century" instead of "Modern.")

**462A. Modern British and American Novels (3) F**

Prerequisite: Survey of English, American, or World literature; an upper division literature course; or consent of instructor. The development of modern British and American novels from 1900-1930. Special emphasis on the novel as a commentary on contemporary life.

**462B. Modern British and American Novels (3) S**

Prerequisite: English 462A, or one of its prerequisites. The development of modern British and American novels from 1930 to the present. The novel as a commentary on contemporary life.

**464A. Modern British and American Drama (3) F**

Prerequisite: Survey of British, American, or World literature; an upper division literature course; or consent of instructor. The development of British and American drama from 1900-1930.

**464B. Modern British and American Drama (3) S**

Prerequisite: English 464A, or one of its prerequisites. The development of British and American drama from 1930 to the present.

**466A. Modern British and American Poetry (3) F**

Prerequisite: Survey of English, American or world literature; an upper division literature course; or consent of instructor. The development of British and American drama from 1900 to 1930.

**466B. Modern British and American Poetry (3) S**

Prerequisite: English 466A, or one of its prerequisites. The development of British and American drama from 1930 to the present.



## DIVISION OF SCIENCE AND MATHEMATICS

*Professors:* McCarthy (Chairman), Adams, Ames, Lay, McCleary

*Associate Professors:* Sutton, Turner

*Assistant Professor:* Brattstrom

The Division of Science provides fundamental instruction basic to the needs of students preparing (1) to teach, (2) to pursue graduate training, 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 and foreign language. 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

	<i>Units</i>
Lower Division General Education—Biology 8, Chemistry 11, Mathematics 3, Intermediate Foreign Language 8, General Physics 8	38
Upper Division	24
	<hr/> 62
<b>Required Courses</b>	
<b>Lower Division—Physics, Chemistry, Mathematics, and Foreign Language ‡</b>	
Chemistry 1a, b (8), Organic Chemistry (3)	11
A course in college mathematics including analytical geometry and calculus	3
Intermediate modern foreign language	8
General college physics with laboratory	8
	<hr/> 30
Biology or Zoology 1a-b, Zoology 1a and Botany 1b, Botany 1-2; other combinations by approval of Division Chairman	8
<b>Upper Division</b>	
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
	<hr/> 24
	<hr/> 62

† 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 as many of the 30 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. Foreign language may be satisfied by examination or certification by language department of reading knowledge.

Minimum Requirements for Biological Science Minor †		Units
Biology or Zoology 1a, b, Zoology 1a and Botany 1b, Botany 1-2; other combinations by approval of Division Chairman	8	
Evolution	4	
Genetics	3	
Plant Science Elective	4	
Biological Science 400	1	
Total	20	20

Since graduate and professional schools are seeking the best prepared students, the following programs are recommended:

A. For those students interested in preprofessional work in Biology:

Lower Division General Education courses in Physics, Chemistry, Mathematics and Foreign Language required for the major (see page 72)	30	30
Lower Division—biological science required for the major	8	8
Upper Division courses *		
Semesters I. Microbiology (4), Plant Science * (4)	8	
II. Cellular Physiology and Metabolism (4), Histological Technique (2), Comparative Anatomy * (4)	10	
III. Genetics with laboratory (4), Animal Ecology * (4), Statistics (3)	11	
IV. Electives in field of emphasis (8), Independent Study and Research (1)	9	
	38	38
Total		76

B. For those students interested in Medicine:

Lower Division General Education Courses in Physics, Chemistry, Mathematics and Foreign Language for the major (see page 72)	30	
Methods of Organic Chemistry	3	
Quantitative Analysis	3	
	36	36
Lower Division—biological sciences required for the major	8	8
Upper Division courses		
Semesters I. Microbiology (4), Comparative Anatomy (4), Intermediate Calculus (3)	11	
II. Cellular Physiology and Metabolism (4), Intermediate Calculus (3), Genetics lecture (3)	10	
III. Embryology (4), Physical Chemistry lecture (3), elective in field of emphasis (4)	11	
IV. Physical Chemistry lecture (3), Statistics (3), Independent Study and Research (1), Elective in field of emphasis (4)	11	
	43	43
Total		87

† Substitutions in the program may be made upon the recommendation of the adviser and the approval of the Division Chairman.

\* Students whose field of emphasis is in Botany should substitute a zoological science for plant science in Semester I, and Plant Anatomy, and Plant Ecology, respectively, for the other courses marked by asterisks.



C. For those students interested in teaching:		Units	
Lower Division General Education courses in Physics, Chemistry, Mathematics and Foreign Language for the major (see page 72).....		30	30
Lower Division—biological sciences required for the major.....		8	8
Upper Division			
Semesters	I. Microbiology (4), Plant Science (4), Histological Technique (2) .....	10	
	II. Cellular Physiology and Metabolism (4), Statistics (3), Evolution (4) .....	11	
	III. Genetics with laboratory (4), Ecology (4).....	8	
	IV. Electives in field of emphasis (8), Independent Study and Research (1) .....	9	
	Elementary School Science or Secondary Methods in Science .....	2	
		40	40
Total .....			78

The additional units needed for graduation, beyond those accepted at entrance, shall be selected with the help of the adviser.

## 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 instructor. The general principles and modern developments in the study of heredity. (3 hours lecture per week)

#### 313. Genetics Laboratory (1) S

Prerequisite: Biology 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.

#### 412. Cellular Physiology and Metabolism (4) S

Prerequisites: 1 semester organic chemistry and 1 year of college biological science. Characteristics of life at the cellular level; organization of structures and metabolic functions within the cell; processes by which the cell maintains its integrity in its environment, obtains energy, and forms new cell material. (2 hours lectures, 6 hours laboratory per week)

#### 424. Evolution (4) S

Prerequisite: 1 year of college biology. A study of evolution, including the history of evolutionary thought; origin of universe, 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)

#### 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

No prerequisite. Brief survey of lower plant life. More detailed study of flowering plants. (2 hours lecture, 6 hours laboratory per week)

##### 342. Plant Anatomy (4) not offered in 1961-62

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) F

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)

##### 442. Field Botany (4) not offered in 1961-62

Prerequisite: 1 year of college biology. Introductory study of the morphology, taxonomy, and ecology of native plants. (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) not offered in 1961-62

Prerequisites: General Botany and 1 semester organic chemistry or permission of instructor. A study of plant growth, nutrition, food synthesis, and metabolism. (2 hours lecture, 6 hours laboratory per week)

#### Zoology Area

##### 361. Mammalian Anatomy and Physiology (4) F, S

Prerequisite: 1 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: 1 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)

##### 461. Invertebrate Zoology (4) not offered in 1961-62

Prerequisite: 1 year of college biology or permission of instructor. Study of the structure, habits, distribution, and evolution of invertebrate animal life. (2 hours lecture, 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: One year of college biology. 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)

#### **466. Field Zoology (4) not offered in 1961-62**

Prerequisite: One year of college biology. A study of the animal types found in Southern California, emphasizing ecology and behavior. Laboratory and field work will stress observational methods, collecting techniques, and maintenance procedures of living and preserved materials. (2 hours lecture, 6 hours laboratory, including one field trip per week)

#### **471. Natural History of the Vertebrates (4) S**

Prerequisite: 1 year of college biology; comparative vertebrate anatomy, or permission of 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.

### **Microbiology Area**

#### **311. Microbiology (4) F**

Prerequisite: One year of college biology. Consideration of the diverse biological characteristics of microorganisms will be extended to a study of these life forms as agents of transformation in natural processes. The laboratory will introduce methods used to study microorganisms and will demonstrate the roles of microbes in agriculture, industry, and in health. (2 hours lecture, 6 hours laboratory per week)

#### **413. Advanced Bacteriology (4) F**

Prerequisite: Microbiology 311 or permission of instructor. Selected topics related to infectious disease. A biological view of parasitism, pathogenicity of the microorganisms, and defenses of the host; the microbiological bases of disinfection, chemotherapy, and antibiotic therapy. (2 hours lecture, 6 hours laboratory per week)

### **Science Education**

#### **432Sc. Elementary School Science (2) F**

The nature and place of science in the elementary school program without an exhaustive treatment of any specific phase of science. Intended to supply enough ideas and materials so that the teacher can help the children look at the world about them in a scientific manner. Five areas of science will be considered: plant and animal life; earth and sky; matter and energy; conservation; and health and safety. (1 hr. lecture, 2 hrs. activity per week)

#### **442Sc. Secondary School Science (2 or 3) S**

Principles, methods, and materials for teaching science in the secondary schools.

## 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 enough 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 and eight units of intermediate foreign language. 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
Intermediate Modern Foreign Language	.....	8
	.....	28

Foreign language may be satisfied by examination or certification by language department of reading knowledge.

#### Upper Division \*

Differential Equations	.....	3
Linear Algebra	.....	3
Modern Algebra	.....	6
Advanced Calculus	.....	6
Differential Geometry	.....	3
Complex Analysis	.....	3
	.....	24
Total	.....	52

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	
Advanced Calculus	3	Logic	3
	9		6

\* Substitutions in the program may be made upon approval of the Chairman of the Department.



# **SENIOR YEAR**

<i>First Semester</i>	<i>Units</i>	<i>Second Semester</i>	<i>Units</i>
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**

<i>Lower Division</i>	<i>Units</i>
Analytic Geometry .....	3
Calculus .....	3
	—
	6 6
<b>Upper Division (These or equivalent courses arranged by conference)</b>	
Math. 290 Elementary Calculus .....	6
Math. 410 Number Theory .....	3
Math. 408 Fundamentals of Mathematics—Geometry .....	3
<b>One of:</b>	
Math. 390 Linear Algebra .....	3
Math. 409 Fundamentals of Mathematics—Algebra .....	
<b>One of:</b>	
Math. 301 Elementary Statistics .....	3
Math. 310 Differential Equations .....	
Math. 414 Mathematical Logic .....	
	—
	6 —
	18 18
<b>Total</b> .....	24

### **II. Secondary Education**

<i>Lower Division</i>	
Analytic Geometry .....	3
Calculus .....	3
<b>Upper Division (These or equivalent courses arranged by conference)</b>	
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
<b>One of:</b>	
Math. 390 Linear Algebra .....	3
Math. 414 Mathematical Logic .....	
<b>Post-graduate Year:</b>	— 21 21
Math. 407 Modern Algebra .....	3
Math. 301 Elementary statistics .....	3
Math. 413 Elementary Topology .....	3
	—
	9 9
	36

**231. Fundamentals of Arithmetic (3)**

No prerequisite. The study of arithmetic as an introduction to mathematics. Designed especially for teachers and prospective teachers of elementary and secondary mathematics.

**290A. Elementary Calculus (3) F**

Prerequisites: 6 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.

**301. Elementary Statistics (3) S**

Prerequisite: 2 years of algebra. An introductory course without use of the calculus.

**310. Differential Equations (3) F (formerly 401)**

Prerequisites: Analytic Geometry and Calculus. An introduction to ordinary and partial differential equations.

**390. Linear Algebra (3) F**

Prerequisites: Analytic Geometry and Calculus. This course may be taken concurrently with sophomore calculus. The study of matrices, determinants, vector spaces, linear transformations.

**403A. Advanced Calculus (3) F**

Prerequisites: Analytic Geometry and Calculus.

**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: Analytic Geometry and Calculus. 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**

Prerequisites: Analytic Geometry and Calculus. 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**

Prerequisites: Analytic Geometry and Calculus. Integral domains and fields, real and complex numbers, polynomials, groups, elements of the theory of rings, introduction to Galois theory, various algebraic systems.

**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.



dean 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**

Prerequisites: Analytic Geometry and Calculus. An introductory course into such topics as divisibility, congruences, prime number theory, Diophantine problems.

**411. Elements of Set Theory (3) F**

Prerequisites: Analytic Geometry and Calculus. 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**

Prerequisites: Analytic Geometry and Calculus. An introductory course to point set topology and algebraic topology.

**414. Mathematical Logic (3) S**

Prerequisites: Analytic Geometry and Calculus. An introductory course to the elements of mathematical logic.

**Mathematics Education**

**432Ma. 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.

**442Ma. Secondary School Arithmetic (2 or 3) S**

Principles, methods, and materials for teaching mathematics in the secondary schools.

**CHEMISTRY**

The college anticipates offering a strong major program in chemistry. Excellent laboratories and facilities are now being planned. It is expected that these facilities will be ready for use in the Fall of 1963. Prior to this time, upper division elective theory courses in chemistry will be offered which will be acceptable toward completion of the proposed major program.

**421. Theory of Chemical Separation (3) F**

Prerequisite: two years of college chemistry including quantitative analysis or permission of the instructor. Principles determining the resolution of molecules by chemical techniques. Selectivity of extractions by chemical equilibria involving complex molecules and related topics.

**471. Molecular Chemistry (3) F**

Prerequisite: two years of college chemistry or permission of the instructor. Advanced discussion of topics related to the chemical bond. Bond types and atomic arrangements and their relation to the structure of molecules and crystals.

The Physics Department plans to offer a curriculum leading to the Bachelor of Arts degree in Physics. Authorization to offer this curriculum is anticipated for the academic year 1962-63. In the interim, courses will be offered each semester that will satisfy the anticipated Bachelor of Arts major program in Physics. Students wishing to major in physics and who expect to complete their undergraduate work subsequent to the date of authorization of the Bachelor of Arts in Physics curriculum should consult with a departmental adviser before registration.

The physics curriculum will provide 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. (It is anticipated that the approved curriculum will include required study in one language—French, German, or Russian.) Either through curriculum requirements or through elective subjects, the physics student will be expected to have a broad education in traditional liberal arts subjects, in the several sciences, and in mathematics.

A program leading to a minor in physics can be arranged in consultation with the Department Chairman.

**\* 411. Theory of Wave Motion (4 with laboratory, 3 without laboratory)  
not offered in 1961-62**

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. (3 hours lecture, 3 hours laboratory per week)

**416. Thermodynamics (3) S**

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. (3 hours lecture per week)

**\* 431. Electricity and Magnetism (4 with laboratory, 3 without laboratory) F**

Prerequisites: one year college physics, calculus. Corequisites: advanced calculus, or permission of instructor. Theories of electrostatics, magnetostatics, electrodynamics, and electromagnetic waves. Introduction to magnetohydrodynamics. (3 hours lecture, 3 hours laboratory per week)

**\* 441. Analytical Mechanics (4 with laboratory, 3 without laboratory) 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. (3 hours lecture, 3 hours laboratory per week)

**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.

\* It is anticipated that all physics courses will be given without laboratory until the permanent Science Building is occupied in 1963-64.



#### 452. Physics of Nuclear Radiation (3) not offered in 1961-62

Prerequisite: one year college physics. X-rays, radioactivity, interaction of radiation with matter, detection of radiation, applications to health physics.

#### 453. Nuclear Physics (3) F

Prerequisites: one year college physics, calculus or permission of the instructor. Properties of nuclei, qualitative discussion of nuclear theories, natural and artificial radioactivity, elementary particles, nuclear reactions.

#### 454. Solid State of Matter (3) not offered in 1961-62

Prerequisites: 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.

#### 471. Electronic Circuit Theory (3) F

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.

## DIVISION OF SOCIAL SCIENCES

*Professors:* Brown (Chairman), Bugelli, Hyink, Langsdorf, Mason

*Associate Professors:* Dohrman, Povlovich, Toy

*Assistant Professors:* de Graaf, Earick

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 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.

At present, the following majors and minor are offered:

Major in Social Sciences with a Bachelor of Arts degree

Major in Geography with a Bachelor of Arts degree

Major in History with a Bachelor of Arts degree

Major in Social Sciences for General Secondary Credential

Major in Social Sciences for General Elementary Credential

Minor in Social Sciences for General Secondary Credential

### MAJOR IN SOCIAL SCIENCES WITH A BACHELOR OF ARTS DEGREE

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		<i>Units</i>
First field (must include 12 upper division units)	_____	15
Second field (must include 9 upper division units)	_____	15
Additional work chosen in either of the two fields (must include 3 upper division units)	_____	6
	_____	—
Total	_____	36



## Option II: Three Fields

	Units
First field (must include 9 upper division units)	15
Second field (must include 6 upper division units)	9
Third field (must include 6 upper division units)	9
Additional work chosen from any of the three fields (must be upper division work)	3
	36

## MAJOR IN GEOGRAPHY WITH A BACHELOR OF ARTS DEGREE

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 advanced work in geography should acquire a reading knowledge of at least one modern foreign language.

Option I: Two Fields	
First field (must include 12 upper division units)	12
Second field (must include 9 upper division units)	9
Additional work chosen from either of the two fields (must include 3 upper division units)	3
	24

## HISTORY MAJOR

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 must 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.

	<i>Units</i>
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; 460; 466 .....	6
Six (6) units selected from: History 471; 472; 473; 474 .....	6
History 475 .....	3
History 399 (to be taken during first semester of junior year) .....	3
History 490 (to be taken during last semester of senior year) .....	3
Upper division electives approved by adviser .....	6
<b>Total history units</b> .....	<b>42</b>
A related field of 6 upper division units approved by the advisor .....	6
<b>Minimum total for the major</b> .....	<b>48</b>

Students intending to take advanced work in History should acquire a reading knowledge of at least one modern foreign language.

## MAJOR IN SOCIAL SCIENCES FOR 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)**

Units

(These or equivalent courses arranged by conference)

Hist. 475 Recent United States History ..... 3

Soc. Sci. 330A-B Contemporary Civilizations and United States Foreign  
Policy (Africa, Middle East, Asia, Europe, Latin America) ..... 6Some course work must be taken in at least *four* of the following fields:**Economics:**

301-302. Principles of Economics (or lower division equivalent)

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 History 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

Total

24

36

**MAJOR IN SOCIAL SCIENCES FOR 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:**

301. Principles of Economics (or lower division equivalent)

302. Principles of Economics (or lower division equivalent)

**Geography:**\*311. World Physical Geography or 331 World Regional Geography  
(or lower division equivalent)

351. California Geography

**History:**

383. History of California (or lower division equivalent)

481. Westward Movement

429. Europe Since 1914

\*475. United States Since 1914

**Political Science:**

\*310. American National Government (or lower division equivalent)

411. State and Local Government

\* Required.

**Social Science:**

\*330A. Contemporary Civilizations and the U.S. Foreign Policy  
(Africa, Middle East, and Asia)

\*330. Contemporary Civilizations and U.S. Foreign Policy  
(Europe and Latin America)

**Sociology:**

\*301. Principles of Sociology (or lower division equivalent)

302. Social Problems

**MINOR IN SOCIAL SCIENCES FOR 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

Political Science

Geography

Sociology

History

NOTE: Courses listed as "Social Sciences" may be applied, with consent of the adviser, to any field listed above.

**GEOGRAPHY**

311. General Physical Geography (3) F, S (Formerly Geography 411)

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 (Formerly Geography 431)

Areal 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, S

Prerequisite: Geography 311 or 331 or consent of 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, S (Formerly Geography 451)

Prerequisite: Geography 311 or 331 or consent of 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) F (Formerly Geography 462)

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 instructor. An introductory study of major and minor surface features, and their relation to landscapes in general. Meets

\* Required.



General Education Physical Science requirement. (Lecture 2 hours, activity 2 hours [to be arranged] per week)

**413. Climatology (3) F**

Prerequisite: Geography 311 or consent of 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. Meets General Education Physical Science requirement.

**432. Geography of North America (3) F**

Prerequisite: Geography 311 or 331 or consent of 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 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) F**

Prerequisite: Geography 311 or 331 or consent of 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) S**

Prerequisite: Geography 311 or 331 or consent of 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 and Middle East (3) F**

Prerequisite: Geography 311 or 331 or consent of 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.

**437. Geography of Australia and Oceania (3) S**

Prerequisite: Geography 311 or 331 or consent of instructor. A regional study of Australia and Oceania surveying interrelated physical and cultural conditions with special emphasis on factors influencing their relations with the world regions.

**438. Geography of the Soviet Union (3) S**

Prerequisite: Geography 311 or 331 or consent of instructor. A regional study of the Soviet Union emphasizing the resource base and related occupancy patterns.

**463. Cartography and Graphics (2) S**

Prerequisite: Geography 362. Construction and preparation of maps and graphs as geographic tools.

**471. Geography for Teachers (3) S**

Prerequisite: six units of regional and systematic geography. The geographic point of view with emphasis on facts, concepts, and relationships and their contribution to geographic understandings. Evaluation of geographic tools: globes, maps, graphs, statistical data, photographs, and textbooks. Analysis of units and courses of study.

#### **481. Political Geography (3) F**

Prerequisite: nine units of regional geography. The political unit as an area and element of geographic study with special emphasis on the influence of related geographic conditions.

### **HISTORY**

Since the college at present does not offer lower division work, the prerequisites listed below refer to courses at the University of California, or their equivalent.

Any one of the following courses satisfies the state requirement in American History: History 370, 471, 472, 473, 474, 475, or 481.

#### **370. Main Currents in American History (3) F, S**

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.

#### **383. History of California (3)**

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.

#### **415. Ancient Greece (3) F (Formerly History 421A)**

Prerequisite: History 4A. 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 (Formerly History 421B)**

Prerequisite: History 4A. 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 (3) F**

Prerequisite: History 4A. History of Europe from Constantine to the eve of the Crusades (325-1095). 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 (3) S**

Prerequisite: History 4A. History of Europe from the Crusades to Dante (1095-1400), emphasizing the political, economic, literary, and artistic changes of the period.

#### **425. Renaissance and Reformation, 1400-1648 (3) F (Formerly History 425. Renaissance)**

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) (Formerly History 427)**

Prerequisite: History 4A-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 4B. 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 4B. 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 from Peter the Great to the 1917 Revolution (3) F**

(Formerly History 434)

An analysis of historical developments from the reign of Peter the Great (1682) to the 1917 Revolution. Emphasis is placed upon the expansion of empire and the unique social and political currents which preceded the Soviet seizure of power.

**434C. Russia Since 1917 (3) S (Formerly History 435)**

A 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.

**340A. History of England and Great Britain (3) F**

(Formerly History 440A. History of England I)

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**

(Formerly History 440B. History of England II)

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.

**460A. Far East I (3)**

A survey of Far Eastern Civilizations from earliest times to mid-nineteenth century.

**460B. Far East II (3)**

Survey of the last hundred years in the Far East, emphasizing its interaction with Western Civilization.

**466. Middle East (3)**

Prerequisite: History 4A-B. Introduction to the origins and development of the countries of the Middle East, including the impact of Islamic civilization. Special attention given to the last two centuries.

**471. American Colonial Civilization (3) F (Formerly History 470)**

Prerequisite: History 7A. 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. U. S. History from Colony to Nation (3) S (Formerly History 471)**

Prerequisite: History 7A. The development of an independent government, economy, and culture from 1763 to the end of the War of 1812.

**473. Sectionalism and Civil War (3) F**

Prerequisite: History 7A-B. The rise of sectional differences from 1815, the Civil War, and the Reconstruction period to 1877, with attention to contemporary issues resulting from this era.

**474. The Growth of Modern United States (3) S (Formerly History 472)**

Prerequisite: History 7B. The growth of the national economy, political repercussions and reform, the rise of the nation to a world power, and cultural development from 1877 to 1914.

**475. United States Since 1914 (3) F, S (Formerly History 473)**

Prerequisite: History 7B. Political, economic, and social events since 1914. Covers World War I and decline of Progressivism, prosperity, depression, and the changing role of the national government, the break with isolationism, and post-1945 problems and trends.

**481. Westward Movement in the United States (3)**

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.

**485. Diplomatic History of the United States (3)**

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)**

Prerequisite: consent of instructor. Studies in United States and modern European history.

**502. Readings in History (3)**

Prerequisite: consent of instructor. Directed study in significant historical areas.

**POLITICAL SCIENCE**

**201. American Political Institutions (3) (formerly 371)**

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)**

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.

**411. State and Local Government (3) (formerly 381)**

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.



#### **413. Constitutional Law: Growth and Development (3)**

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)**

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.

#### **421. Introduction to Public Administration (3)**

Prerequisite: Political Science 310 and/or 411. 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.

#### **422. Public Personnel Administration (3)**

Prerequisite: Political Science 421. Problems of recruitment, placement, job evaluation, in-service training, incentive methods, supervision, merit rating of public employees; public relations.

#### **431. Governments and Politics of Western Europe (3)**

Governmental structures, problems, and policies in such countries as France, Germany, and Switzerland; constitutional characteristics; major political parties; election systems; federalist and unitarian features.

#### **432. Government and Politics of Great Britain (3)**

Examination of the structure and methods of parliamentary government, especially in comparison with the American presidential type of government; major political parties, platforms and practices; election system; the role of the press and public opinion; the public service.

#### **433. Government and Politics of Soviet Russia (3)**

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.

#### **435. Government and Politics of Germany (3)**

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)**

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)**

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.

**451. International Relations (3) (formerly 401)**

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.

**452. American Diplomacy (3)**

The formulation of American foreign policy and conduct of diplomacy; evaluation of both traditional and current practices and policies and of proposed major changes.

**460. International Law (3)**

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)**

Prerequisite: Political Science 451. 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.

**462. The Soviet Union in World Affairs (3)**

Theory and practice of Soviet Russia's foreign policies; the international relations theories of Marx, Lenin, Stalin, and Khrushchev; practices of the Kremlin; world strategy and tactics of the Soviet Communist movement.

**463. The International Relations and Problems of Latin America (3)**

The relations of Latin American states with each other, the United States, Soviet Russia, and China; the organization of American States and the United Nations; domestic philosophies and problems affecting their international outlook and policies.

**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 governments 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.

**SOCIOLOGY**

**301. Principles of Sociology (3)**

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)**

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.



#### **411. Criminology (3)**

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 prevention programs; correctional procedure; and trends in theory.

#### **431. Minority Group Relations (3)**

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, Spanish-Americans, Puerto Ricans, Orientals, Indians, Negroes, Jews, and minority religious groups in their accommodation and assimilation to American society.

#### **451. Sociology of the Family (3)**

Prerequisite: Sociology 301 or equivalent. A comparative study of the structure and function of the family in different societies, with emphasis upon American patterns. Included are analyses of parent-child relations, adolescent problems, marital adjustment, divorce, problems of aging, and changing family values.

#### **461. Population Problems (3)**

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.

#### **471. Urban Sociology (3)**

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.

#### **481. Sociological Theory (3)**

Prerequisites: Sociology 301 and consent of the instructor. A study of the principal schools of sociological thought, both European and American. Investigation is made into systematic theory, methodology, cultural change, and social institutions. The sociological works of Comte, Spencer, Durkheim, Pareto, Weber, Sorokin, Toynbee, Parsons, and others are emphasized.

### **SOCIAL SCIENCES 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 (2-3) F, S**

Prerequisites: Educ. 311, admission to teacher education. Principles, methods, and materials of teaching the social studies in the secondary school.

## DIVISION OF SPEECH AND FINE ARTS

*Professors:* Fessenden, Heavenrich, Landon

*Associate Professors:* Dietz, Long, Thorsen, Young

*Instructors:* Granell, Michalsky

The Division of Speech and Fine 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 Speech and Fine Arts are conceived of as the study of those practical and esthetic 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 Speech and Fine 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 Speech and Fine Arts enables the college to offer the Bachelor of Arts degree with majors in Speech, Language Arts and Music. Courses leading toward clinical certification by the American Speech and Hearing Association are included in the speech therapy curriculum. Minors are offered in speech, language arts, and music.

### BACHELOR OF ARTS DEGREE WITH MAJOR IN SPEECH AND DRAMA

Although the Department of Speech and Drama provides for a major program in speech with emphasis in either public address or speech and hearing therapy, an interdepartmental major in language arts, and a minor program in general speech, much of the service of the department is rendered through elective courses for students in other programs. It is basic to the philosophy of the Department that effectiveness in oral communication is an essential part of a college education. This philosophy is implemented for students preparing for teaching through the program of speech and hearing testing and the provision of appropriate course and clinic opportunities to meet the needs. This same service is available for all students in the college. An active program in drama, debate, and other forensics, and speaking and judging opportunities is available for competent and interested students regardless of their areas of specialization or major fields of study.

The bachelor's degree in speech provides for a general speech basis, and emphasis in one of two areas—public address or speech and hearing therapy.

Requirements: (Beyond the General Education course in writing and literature or Basic Communication) a total of 36 units.

#### **Lower Division: 12 units maximum**

Course work in public speaking or speech fundamentals

Course in oral reading or drama



(If these are not included in lower division, they can be taken on the upper division level, but they cannot then be used to meet the upper division minimum requirements.)

### Upper Division: 24 units, minimum

**Basic requirements:** (If certain of the first three of these areas have been satisfied by course work on the lower division, the student may substitute upper division courses according to his interests) 12 units.

Platform Speaking (Speech 332.)

Oral Reading (Speech 311.)

Theatre (Speech 378A or B.)

Speech 301 or 442.

Speech 490

Public Address Emphasis (Four courses required, at least one from each of the following groups.)

Speech 334 or 335.

Speech 404 or 444.

Speech 424.

Speech 434 or 436.

Speech Therapy Emphasis

Speech 341.

Speech 404 or 424.

Speech 441.

Speech 443.

Speech 461.

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
2. An elementary or secondary teaching credential
3. Course requirements as follows:

#### A. Basic Areas

Anatomy and physiology of the ear and vocal mechanism, *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.)

Elective:

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.

Units

6

12

3

D. Other areas: \_\_\_\_\_ 9

Child psychology (or child development). Mental hygiene (or psychology of adjustment). Electives in appropriate areas.

E. Professional experience:

One year of preregistered experience following the completion of the above listed academic requirements.

Students working toward a teaching credential on either the elementary or secondary level with either a major or minor in speech should also elect course from those listed later under "Speech Education."

## BACHELOR OF ARTS DEGREE WITH MAJOR IN LANGUAGE ARTS

Language Arts combines courses in English, speech, and journalism. This major provides a broad cultural background in the areas of oral and written communication. It may be of principal value for the teacher in the elementary school where a basic function is to help the children learn to read, write, speak, and listen effectively. This major also provides, with the postgraduate study, for secondary school teaching in the areas of language arts, English, and speech. The minor area will be selected in consultation with the student. Normally, students will select a foreign language or a field in the social studies or humanities for this; neither English nor speech may be used as the minor.

*Requirements:* (Beyond the General Education course in writing and literature or Basic Communication), a total of 36 units.

### Lower Division

World, American, or English Literature

Course work in speech or drama

Course in journalism

Composition (may be second semester of Basic Communication or English) (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.)

### Upper Division: 24 units minimum

Units

English courses, at least one elected from each of these three groups..... 9

English 301, 324A or B

English 344A or B

English 322A or B

An advanced course in writing or journalism

Speech courses, at least one elected from each of these three groups.....7-9

Speech 301, 332, or 442

Speech 311, 378A or B

Speech 424

Electives from speech or English to complete the 24 unit upper division minimum requirement.

## MINOR PROGRAMS

The student whose major is in either English or speech should not plan for a minor in Language Arts. In general, the choice of minor area of study should be made through student-adviser conferences. Students working toward a teacher's credential will also be expected to confer with their professional advisers. As indicated for the majors above, the student may also meet certain of his lower division requirements with upper division courses.



## Speech Minor

Lower Division Requirements, 9 units	Units
World, American, or English Literature	3
Course work in speech or drama	3
Course in journalism	3
Upper Division Requirements: 12 units	
A second course in World, American, or English Literature	
One or more courses from each:	
Specialized or Period Course in English (See English major requirements for course titles)	3
Courses in speech (selected from those listed as basic area courses for the major in speech)	6

## Language Arts Minor

Lower Division Requirements, 9 units	
World, American, or English Literature	3
Course work in speech or drama	3
Course in journalism	3
Upper Division Requirements, 11 units minimum	
Speech 332, 424, or 438 (Formerly 432)	2 or 3
Speech 311 or 314	3
Speech 301, 442, or 441	3

## DEPARTMENT OF MUSIC

The Department of Music offers a program designed to educate, at the baccalaureate degree level:

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

## REQUIRED LOWER DIVISION COURSES

(Liberal Arts and Credential Majors)	Units
Theory: Musicianship I, II, III	6
Harmony: Harmony I, II, III	9
Principal Instrument or Voice	4
Performance Activity: Large Ensemble (Major instrument or voice)	4
*Piano (not principal)	4
*Voice (not principal)	4

\* Proficiency test to be given by OCSC, required for junior standing. (see below)

**Electives:** Selected courses in applied music, appreciation, music ensembles, counterpoint, instrumentation sequence (strings, woodwinds, brasses, percussion), theory are highly desirable in the student's preparation for the upper division sequence.

#### **REQUIREMENTS OF THE DEPARTMENT OF MUSIC**

1. Proficiency tests in Piano, Voice, and Theory will be given all music majors upon 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 performing 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 as an assisting performer at least once each year.
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 majors in music requires work in applied music, as follows:
  - a. Piano majors—A minimum of four semesters of applied piano, upper division level
  - b. Voice majors—A minimum of four semesters of applied voice, upper division level
  - c. Instrumental majors—A minimum of four 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 four semesters each of 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 440A each semester.

### PROFICIENCY EXAMINATIONS IN MUSIC \*

#### For Admission to Junior Year

##### Piano:

1. Chords—Student 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 black key major 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<sub>7</sub> 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. Music 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 (End of Junior Year):

##### Piano:

1. Harmonization at sight; material from State Series Music Texts.
2. Sight reading from accompaniment edition of a State Series Text, or equivalent.
3. Transposition at sight of 2 or 4 voice score on two staves, level of *Cooper Square Chorister*, Whitner (Carl Fischer) *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.

\* Proficiency examinations conducted by faculty jury.

2. Sing at least one song from each of the following periods
  - a. Classical
  - b. Baroque
  - c. Romantic
  - d. Modern
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.

### FEES FOR APPLIED MUSIC

Applied Music (private instruction in voice or major instrument), per lesson \$1-\$6  
 Average fee, including 16 ½-hour lessons and examinations, per semester.....\$70

### MUSIC MAJOR \*

#### REQUIRED UPPER DIVISION COURSES

##### (Baccalaureate Degree and Credential Majors)

Music History and Literature	Units
441A-B. History and Literature I, II.....	6
440A,B,C,D. Concert Music (0-0-0-0).....	0
Theory:	
421A. Form and Analysis.....	2
422A. Composition I.....	2
423. Counterpoint I.....	2
426. Orchestration I.....	2
Theory Elective, from 425 Music Theory IV, 422 B Composition II, 424 Counterpoint II, 421 B Form and Analysis II.....	2
Music Education:	
432. Music in the Elementary School.....	2
442. Music in the Secondary School.....	2
464 or 465. Organization of School Bands and Orchestras, or Choral Literature and Methods.....	2
488A, B, or C. Major Emphasis Lab; Instrumental Ensemble Practice, Vocal Laboratory, or Piano Materials Lab.....	1
Applied Music and Music Performance:	
311A,B,C. Large Ensemble (1-1-1-1).....	4
312A,B,C. Small Ensemble (1-1).....	2
471A-K. Applied Music (Private instruction, voice or major instrument) (1-1-1-1).....	4
473. Class Piano, music majors (pass proficiency test).....	1-4
477. Voice Class for music majors (pass proficiency test).....	1-4
481A,B,C,D. Orchestral Instruments (strings, woodwinds, percussion, brass).....	4-8
491. Choral Conducting.....	2
492. Instrumental Conducting.....	2
499. Senior Recital (voice or major instrument).....	0
Electives:.....	3-13
Total.....	64

\* Note: Students must meet all college requirements in general education required for graduation and special requirements for certification (see catalog). A grade point average of 2.5 is required of all candidates for teaching credentials.



## MINOR IN MUSIC

### (General Secondary Teaching Credential)

A minimum of 20 units is required for a Liberal Arts Minor in Music for the General Secondary Teaching Credential. A maximum of 12 units of Lower Division work may be counted toward the music minor.

#### Recommended Lower Division Courses:

	<i>Units</i>
Musicianship I, II, III .....	6
Harmony I, II .....	6
Applied Music (voice or Major Instrument) and/or participation in a major music activity .....	4

#### Upper Division Courses:

311. Large Ensemble (1-1-1-1) <i>or</i>	
312. Small Ensemble (1-1-1-1) .....	4
421A. Form and Analysis I .....	2
426. Orchestration .....	2
441B. History and Literature of Music I <i>or</i>	
444. Twentieth Century Music .....	2
442. Music in the Secondary School .....	2
471A-K. Applied Music (1-1-1-1) <i>or</i>	
473. Class Piano, Music Majors <i>or</i>	
477. Class Voice, Music Major .....	4
491. Choral Conducting <i>or</i>	
492. Instrumental Conducting .....	2
*Music Electives .....	2
Senior Recital (assisting, or presentation in a semester recital as featured performer) .....	0
	20

\*Students expecting to use a minor teaching area in instrumental music are advised to take Orchestral Instruments 481A,B,C,D (1-1-1-1) in addition to the above .....

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## FOUR-YEAR BACCALAUREATE DEGREE PROGRAM IN MUSIC

### RECOMMENDED UPPER DIVISION SEQUENCE FOR INSTRUMENTAL MUSIC CONCENTRATION

		JUNIOR YEAR	
<i>1st Semester</i>	<i>Units</i>	<i>2nd Semester</i>	<i>Units</i>
311. Music Activity: (Major Ensemble) .....	1	311. Music Activity: (Major Ensemble) .....	1
312. Music Activity: Minor Ensemble) .....	1	312. Music Activity: (Minor Ensemble) .....	1
441A. History and Lit. of Music I .....	3	441B. History and Lit. of Music II .....	3
421. Form and Analysis .....	2	423. Counterpoint I .....	2
422A. Composition I .....	2	491. Choral Conducting .....	2
471. Applied Music (Voice or Major Instrument) .....	1	471. Applied Music (Voice or Major Instrument) .....	1
481A. String Instruments * .....	1-2	481B. Woodwind Instruments * .....	1-2
440A. Concert Music (Att. at specified concerts) .....	0	440B. Concert Music .....	0
College Academic requirements and electives .....	4-5	College Academic requirements and electives .....	4-5
	16		16

\* Instrumentation classes: 1 unit per semester, if taken in 4-yr. sequence, including junior college; 1 unit per semester for vocal concentration majors, junior and senior years; 2 units per semester if not completed.

# RECOMMENDED UPPER DIVISION SEQUENCE FOR

1st Semester	Units	2nd Semester	Units
312. Music Activity (Major Ensemble) .....	1	312. Music Activity (Major Ensemble) .....	1
492. Instrumental Conducting .....	2	432. Elementary School Music .....	2
423. Orchestration I .....	2	442. Secondary School Music .....	2
464. Organization of School Bands and Orchestra, or		481D.* Percussion Instrument .....	1-2
465. Choral Lit. and Methods .....	2	471D. Applied Music (Voice or Major Instrument) .....	1
481C. Brass Instruments * .....	1-2	499. Senior Recital .....	0
417. Applied Music (Voice or Major Instrument) .....	1	440D. Concert Music .....	0
440C. Concert Music .....	0	College Academic requirements and electives .....	9-10
College Academic requirements and electives .....	6-7		16
	16		

\* Instrumentation classes: 1 unit per semester, if taken in 4-yr. sequence, including junior college; 1 unit per semester for vocal concentration majors, junior and senior years; 2 units per semester if not completed.

## RECOMMENDED UPPER DIVISION SEQUENCE FOR CHORAL MUSIC CONCENTRATION

### JUNIOR YEAR

1st Semester	Units	2nd Semester	Units
441A. Hist. and Lit. of Music I .....	3	441B. Hist. and Lit. of Music II .....	3
421A. Form and Analysis .....	2	423. Counterpoint I .....	2
422A. Composition I .....	2	426. Orchestration I .....	2
471A. Applied Voice .....	1	471A. Applied Voice .....	1
481A. String Instruments .....	1	481B. Woodwind Instruments .....	1
* 473. Class Piano (Mu. Majors) .....	1	491. Choral Conducting .....	2
or		473. Class Piano (Mu. Majors) .....	1
* 471B. Applied Piano .....	1	or	
311. Choral Ensemble .....	1-2	* 471B. Applied Piano .....	1
440A. Concert Music .....	0	311. Choral Ensemble .....	1-2
College requirements and electives .....	3-4	440B. Concert Music .....	0
	16	College requirements and electives .....	1-2
			16

### SENIOR YEAR

3rd Semester	Units	4th Semester	Units
465. Choral Lit. and Methods .....	2	432. Elementary School Music .....	2
492. Instrumental Conducting .....	2	442. Secondary School Music .....	2
481C. Brass Instruments .....	1	481D. Percussion Instruments .....	1
471A. Applied Voice .....	1	471A. Applied Voice .....	1
473. Class Piano (Mu. Majors) .....	1	311. Choral Ensemble .....	1
or		440D. Concert Music .....	0
471B. Applied Piano .....	1	499. Senior Recital .....	0
or		College requirements and electives .....	9
† 474. Piano Accompanying .....	2		16
311. Choral Ensemble .....	1		
440C. Concert Music .....	0		
College requirements and electives .....	5		
	16		

\* May be waived by proficiency examinations.

† If student does not have piano proficiency for this class he must take 473 or 471B.



# RECOMMENDED UPPER DIVISION SEQUENCE FOR PIANO CONCENTRATION

## JUNIOR YEAR

1st Semester	Units	2nd Semester	Units
441A. Hist. and Lit. of Music I	3	441B. Hist. and Lit. of Music II	3
421A. Form and Analysis	2	422B. Composition II	2
422A. Composition I	2	423. Counterpoint I	2
471B. Applied Piano	1	471B. Applied Piano	1
431A. Keyboard Harmony II	2	431B. Keyboard Harmony II	2
311. Major Ensemble	1	311. Major Ensemble	1
312. Minor Ensemble	1	312. Minor Ensemble	1
477. Voice Class	1	491. Choral Conducting	2
481A. String Instruments	1	481B. Woodwind Instruments	1
440A. Concert Music	0	440B. Concert Music	0
Electives	2	Electives	1
	16		16

## SENIOR YEAR

1st Semester	Units	2nd Semester	Units
481C. Brass Instruments	1	432. Elementary School Music	2
471B. Applied Piano	1	442. Secondary School Music	2
445. Keyboard Hist. & Lit.	2	or	
474. Piano Accompanying	2	467. Piano Pedagogy	2
424. Counterpoint II	2	471B. Applied Piano	1
426. Orchestration	2	481D. Percussion Instruments	1
440C. Concert Music	0	440D. Concert Music	0
Electives	6	Senior Recital	0
	16	Electives	8-10
			16

## FIVE-YEAR CREDENTIAL PROGRAM IN MUSIC

### (General Secondary Credential, Music Major)

Refer to credential requirements, Education and Psychology Division, 1961-62 Catalog.

In addition to the major field requirement, 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

	Units
Music Courses	14-19
Liberal Arts Minor Courses	5-10
Professional Education Courses (Ed. 311, 441)	8

# POST-GRADUATE YEAR

	Units
462. Problems in Music Education .....	2
549. Student Teaching (2 semesters) .....	8
488. Major Emphasis Laboratory (A,B,C) .....	1
311, 312 Ensembles .....	2-4
Philosophy of Education Ed. 501 .....	2
331 or 491. Audio-Visual .....	2
599A. Preparation for Graduate Recital .....	1
599. Graduate Recital .....	0
Electives .....	12-17

## REQUIREMENTS FOR ELEMENTARY LIBERAL ARTS MUSIC MAJOR

### (For the General Elementary Credential)

#### *Theory and Basic Music:*

420. Structures of Music .....	2 units	}	6
Theory Electives from: .....	4 units		
Musicianship I, II, and III			
Harmony I, II, III			
Musicianship for Elementary Teachers			
Keyboard Harmony			
421A, B. Form and Analysis I, II			
422A, B. Composition I, II			
423, 424. Counterpoint I, II			
425. Music Theory IV			

#### *Applied Music—Performance:*

411 or 412. Large or small ensemble (1-1-1-1) .....	4 units	}	8
471. Applied Piano			
or			
472. Elementary Class Piano, Non-Majors .....	2 units		
or			
473. Class Piano for Majors			
477. Voice Class for Music Majors .....	2 units		

#### *History, Literature, Music Appreciation:*

Music Appreciation		}	8
or			
443. Music in Our Society .....	3 units		
History and Literature Electives from: .....	5 units		
441B. History and Literature of Music II			
444. 20th Century Music			
445. Keyboard History and Literature			
Survey or Music or Music Appreciation			
440A, B, C, D. Concert Music (0-0-0-0) .....	0 units		

#### *Music Education:*

*432. Music in the Elementary School			
(not counted in total) .....	(2) units		
453. Children's Literature in Music .....	2 units		2
			24

NOTE: Lower division courses presented for this major must have the approval of the major adviser.

\* Required for credential recommendation by Education Division.



**REQUIRED MUSIC COURSES FOR GENERAL ELEMENTARY CREDENTIAL CANDIDATES****Lower-Division Requirement***Units*

Musicianship I, or Fundamentals of Music for Elementary School Teachers 2

**Upper-Division Requirement**

432. Music in the Elementary School 2

**Electives:**

453. Children's Literature in Music (2)

471B. Applied Piano or 472—Class 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.

**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*

320. Structure of Music 2

**Music History and Literature**

343. Music in Our Society 3

440 A, B, C, D. Concert Music (0-0-0-0) 0

**Applied Music, Musical Performance:**

311 or 312. Large or Small Ensembles (1-1-1-1) 4

(By advisement)

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

**CREDENTIAL REQUIREMENTS**

1. Candidates for the General Secondary Credential with a major in music must complete OCSC general education and Education and Psychology Division requirements, including a year of post-graduate 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 and Psychology 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.

## DEPARTMENT OF ART

The art curricula are designed for the following groups: (1) students who wish experience of the art as an essential part of their personal and cultural development, (2) students seeking vocational competence in art, (3) students preparing to teach art at the secondary level, and (4) students meeting the art requirements of the general elementary credential.

The basic courses in the Department are Art 401-402 and 403-404. Art 471 meets the art requirements of the General Elementary Credential.

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.

### ART

#### 303. Art Techniques (2) F, S

Study of techniques and media.

#### 401. Contemporary Design (3) F

Fundamentals of modern painting, graphics, photography, advertising, and fashions. Provides a broad background in contemporary art and training in basic design and styling. Lectures, discussions, field trips, and projects. Required of prospective art majors. Strongly recommended for others working in the department.

#### 402. Contemporary Design (3) S

Fundamentals of modern architecture, interior design, sculpture, and industrial design. Provides a broad background in contemporary art and training in three-dimensional designs. Lectures, discussions, field trips, and projects. Required of prospective art majors. Strongly recommended for others taking work in the department.

#### 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, field trips, and projects. Required of prospective art majors. Recommended for humanities and history students.

#### 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, field trips, and projects. Required of prospective art majors. Recommended for humanities and history students.

#### 406. Oriental Art (3) S

Provides broad familiarity with the major styles and Oriental art and their relation to contemporary art. Ancient cultures and recent trends in Japan, China, India, and Islam. Lectures, discussions, field trips, and projects. Required of prospective art history majors. 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, field trips, and projects. Not open to art majors. Credit may not be received for both 411 and 401.

#### 412. Interior Design (3) S

House planning, contemporary architecture, interior design, modern use of period furnishings, fabrics, and accessories. Lectures, discussions, field trips, and projects. Not open to art majors. Credit may not be received for both 412 and 402.



**421A. Drawing and Painting (2) F**

Drawing and painting techniques. Graphic representation. Color handling.

**421B. Drawing and Painting (2) S**

Continuation of 421. Pictorial organization.

**441A. Design Problems (2) F**

Design and styling problems in two dimensions.

**441B. Design Problems (2) S**

Design and styling problems in three dimensions.

**432. Elementary School Art (Methods) (2) F, S**

Prerequisite: Ed. 311, lower division art course, 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.

**472. Elementary School Art (Crafts) (2) F, S**

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

## **DEPARTMENT OF SPEECH AND DRAMA**

### **PUBLIC ADDRESS**

**332. Speech and Speech Evaluation (2) F, S**

The development of critical listening and the methods used in constructive evaluation of speeches. A course in speech criticism using student speeches as examples and practice. May be used to satisfy General Education requirement for oral expression.

**333. Business and Professional Speaking (2) S**

Emphasis is placed on an understanding of and the practice of speech in non-academic situations. Particular attention is given to the interview, sales talk, and performance on special occasions—including introductions, goodwill talks, and information giving.

**334. Advanced Platform Speaking (3) F (Formerly 432)**

Prerequisite: One course in speech or consent of instructor. Certain basic and advanced principles of modern rhetorical theory and the development and presentation of talks designed to achieve specific purposes.

**335. Argumentation and Debate (3) F**

An investigation of argumentation as it is applied in informal and academic debate. Special attention given to logic and evidence as related to analysis, case structure, and refutation. Consideration given to practical application outside the classroom.

**338. Intercollegiate Forensic Activities (1) F, S**

Directed activity in debate and other forensic events. Participation in intercollegiate competition is required for credit. (Can be repeated for a total of four hours.)

**424. Discussion and Group Leadership (3) S**

Prerequisite: One upper division course in public address or consent of instructor. The principles and practice of small group discussion as an essential tool in a democracy. Emphasis is placed on problem solving through good group interaction in education, business and industry, research, and community affairs. The basic concepts of general semantics and group dynamics as applied in membership and leadership development are studied and practiced.

#### **434. American Public Address (3) S**

Prerequisite: Six units of public address, or three and consent of instructor. A rhetorical history of the United States from the colonial period to the present. A study of the leading speakers: their addresses and their religious, political, and social ideas.

#### **436. Survey of Rhetoric (3) F**

Prerequisite: six hours of upper division courses in public address. A survey of ancient, medieval, and modern rhetoric. Attention to the contributions of Socrates, Plato, Aristotle, Cicero, Quintilian, Longinus, St. Augustine, Ward, Campbell, Blair, Whately, and John Quincy Adams to modern rhetoric.

#### **444. Persuasion (3) S (Formerly 334)**

Prerequisite: six units of public address or three and consent of instructor. The study of certain psychological factors as they apply to public address. This includes audience analysis and the use of persuasive techniques to influence the belief and conduct of groups and individuals.

#### **490. Senior Seminar (1) F, S**

Required of all speech majors during their final year. The purpose will be to integrate past course work as well as to examine the methods of gathering, recording, and analyzing data in research in speech.

### **DRAMA AND INTERPRETATION**

#### **311. Oral Reading (3) F**

The principles and practice of reading aloud from the printed page. Analysis of selections from prose and poetry is emphasized. The development of voice control and the techniques by which the selections are given effective interpretation are studied and practiced.

#### **314. Reading Theatre (3) S**

An advanced activity course in oral interpretation in which the emphasis is based on group reading or dramatic literature. Preparation for public presentation will be stressed.

#### **318. Performance (1) F, S**

Appearances by student performers before student and outside lay audiences. Opportunities for experience in increasing audience-appearance-skills. By arrangement of the instructor.

#### **378A and B. Experimental Theatre I and II (3-3) F, S**

An activity course. Styles of acting, directing, and staging are explored with emphasis determined by the past experience and needs of the individual member of the class. (six hours of class)

### **SPEECH EDUCATION**

#### **301. Speech for Teachers (3) 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 use of speech in public and group situations. Major emphasis is on the speech and speaking skill of the prospective teacher.

#### **401. Speech for Classroom Teachers (2) F**

Prerequisite: Teaching experience. Similar in basic areas of study to Speech 301, but more advanced and concentrated. Primary emphasis is placed on the development of various procedures and materials for use by teachers in classroom for instructional or speech improvement purposes.



#### **402. Dramatic Activities for Children (3) S**

A course to develop skills in the use of creative dramatics, storytelling, puppetry, assembly programs, role playing, and other phases of dramatics as tools for the teacher, group workers, recreation majors, and others who work with children.

#### **404. General Semantics (2) S**

Examination of the basic principles underlying the influence language has on human action and interaction.

#### **432. Elementary School Language Arts (2) F, S**

Prerequisites: Educ. 311, admission to teacher education. The importance of the language arts to a satisfactory personality, 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 (3) S**

Prerequisite: fifteen units in speech. Methods and materials used in teaching the speech arts—public speaking, forensics, drama, discussion, oral interpretation—in the junior and senior high schools. The course seeks to integrate the content of these areas with appropriate methodologies.

### **SPEECH AND HEARING THERAPY**

#### **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, pronunciation, and manner of speaking. May be required of students entering teacher training program.

#### **308. Speech Improvement Laboratory (no credit) F, S**

For those students, especially in education, whose voice or articulation proficiency is inadequate and who need special clinical help. Individual work in laboratory. Admission only by referral through department chairman.

#### **341. Phonetics (2) F**

The study of speech sounds and the various factors influencing articulation and pronunciation. Ear training and discrimination among patterns of speech are promoted through the use of the International Phonetic Alphabet.

#### **441. Introduction to Speech Correction (3) S**

Prerequisites: Speech 301, 302, or 341. A beginning speech correction course by which elementary teachers can recognize and deal with speech problems experienced by the children in their classes. Identification of problems, basic help, referral to speech specialist, parent conferences, mental health, etc.

#### **443. Advanced Speech Correction (3) F (Formerly 442)**

Prerequisite: Speech 441. Etiologies, diagnosis, and remedial procedures of such speech defects as articulation and voice (both functional and organic) and certain major disorders including stuttering, cleft palate, cerebral palsy, and aphasia.

#### **458. Clinical Practice (2) F, S, Summer**

Prerequisite: Speech 443 or consent of instructor. Practice in the correction of speech of children and adults under supervision. This may count toward American Speech and Hearing Certification. May be repeated up to 6 units.

#### **461. Audiometry and Aural Rehabilitation (3) F**

Prerequisite: 341, or consent of instructor. Equipment, principles, methods, and procedures used in establishing and conducting public 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 and puretone audiometers. Consideration is also given to the physiology of hearing. Meets the state requirement for public school audiometrist.

**462. Speech Reading (2) S (Formerly 342)**

Prerequisite: 341 or consent of instructor. Historical backgrounds of lip reading, methods used in visual reading of speech, and the techniques commonly used in teaching speech reading to the aurally handicapped.

**557A. Cleft Palate Seminar (2) (Formerly 457) (Not given 1961-62)**

Prerequisite: 443 or consent of instructor. The problem of cleft palate and lip from the standpoint of anatomy, surgical and dental treatment, and articulatory and voice training. Course includes study of anatomic preparation and observation of interdisciplinary cleft palate team.

**557B. Seminar in Stuttering (2) F (Formerly 457)**

Prerequisite: 443 or consent of instructor. Clinical and theoretical study of stuttering—an eclectic approach.

**557C. Seminar in Aphasia (2) S (Formerly 457C)**

Prerequisite: 443 or consent of instructor. Study of principles underlying cause and treatment of aphasia in children and adults.

## **MUSIC DEPARTMENT**

### **UPPER DIVISION**

#### **MUSIC ACTIVITIES**

**311. Large Ensembles (Formerly 441)**

**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 (Formerly 412) Not offered 1961-62**

**A. String Orchestra (1) F, S**

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 literature.

**C. Vocal Ensemble (1) F, S**

Open only to students recommended by instructor or adviser. Preparation of programs for radio, TV, and public engagements. Not offered 1961-62

#### **THEORY AND BASIC MUSIC**

**320. Structure of Music (2) F, S**

Prerequisite: consent of 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 to masterpieces of musical literature.

**421A. Form and Analysis I (2) F**

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



**421B. Form and Analysis II (2) S**

Prerequisite: Music 421A and consent of 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 I, Music Theory I, II, III, and consent of instructor. Double counterpoint, canon, and fugue forms.

**425. Music Theory IV (3) S not offered 1961-62**

Prerequisites: Music Theory III and consent of instructor. Advanced harmony for composition and theory majors.

**426. Orchestration I (2) S**

Prerequisites: Music Theory II and consent of instructor. Writing and 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.

**431B. Keyboard Harmony II (2) S not offered 1961-62**

Prerequisite: Music 431A. Modulations, transpositions, harmonization of melodies, and improvisations in free accompaniment style.

**MUSIC HISTORY AND LITERATURE**

**440A, B, C, D. Concert Music (0-0-0-0) 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. (Required of all music majors.)

**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. (Required of all music majors)

**443. Music in Our Society (3) F, S**

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) S**

Developments in the music of Western Europe and the Western Hemisphere since 1890. Intensive study of contemporary music and its structure.

**445. Keyboard History and Literature (2) F not offered 1961-62**

A survey of 19th and 20th century keyboard history and literature. Changes in style and technique. Performance and analysis of representative works for piano and other keyboard instruments.

**MUSIC EDUCATION**

**432. Music in the Elementary School (2) F, S (Formerly 451)**

(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.

**453. Children's Literature in Music (2) S**

Prerequisite: Music in the Elementary School, or consent of instructor. A survey of books and listening materials for preschool and elementary age children, with techniques of presentation. Designed for the classroom teacher or non-music major.

**442. Music in the Secondary School (2) F, S (Formerly 461)**

Required of all music education majors. 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.

**464. Organization of School Bands and Orchestras (2) S not offered 1961-62**

Study of problems, materials, organization and methods of teaching the school marching band, concert band, and concert orchestra.

**465. Choral Literature and Methods (2) not offered 1961-62**

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 not offered 1961-62**

May be taken concurrently with 549: Student 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.

**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

472. Elementary Class Piano for Non-Music Majors (1) F

Prerequisite: permission of 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 instructor. Designed to meet music major piano requirement. Fundamentals of keyboard technique for those having little or no previous piano experience.

474. Piano Accompanying (2) S

The study and application of playing accompaniment for instrumentalists, vocalists, and ensembles. Participation in rehearsals, recitals, and concerts required.

477. Voice Class for Music Majors (1) F, S

Prerequisite: permission of 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 F

Specialization on violin with related work on standard instruments of the string family.

B. Woodwind Instruments 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.

488. Major Emphasis Laboratory (1) F, S

A. Instrumental Ensemble Practice. To be taken concurrently with Ed. 549: Student Teaching. 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 Ed. 549: Student Teaching. A review and performance of vocal literature used in teaching.

491. Choral Conducting (2) F, S

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.

\* Voice and piano majors are required to take a minimum of 4 units of orchestral instruments (1-1-1-1).

492. Instrumental Conducting (2) F, S

Principles, techniques, and methods of conducting orchestral and band groups. Laboratory experience in conducting instrumental groups, using standard instrumental literature.

499. Senior Recital (0) F, S

Presentation of a public recital in major area of performance concentration.

599B. Graduate Recital (0) F, S

Presentation of a public recital in major area of performance concentration.



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