

Jensen



COLLEGE OF THE SEQUOIAS

ISALIA, CALIFORNIA

CATALOG
1970 - 1971

College of the Sequoias

A PUBLIC JUNIOR COLLEGE

Catalog 1970-1971



COLLEGE OF THE SEQUOIAS JUNIOR COLLEGE DISTRICT

Mooney Boulevard
VISALIA, CALIFORNIA 93277

Published by the Board of Trustees

The College of the Sequoias is a member of the American Association of Junior Colleges, the California State Junior College Association, and the North Central California Junior College Region.

The college is officially accredited by the Western Association of Schools and Colleges, and the California State Department of Education.

The University of California and other colleges and universities of high rank give full credit for appropriate courses completed at College of the Sequoias.

Before you may be counseled and registered*, you must have on file in the Student Personnel Center:

1. An application for admission form.
2. Transcripts of all high school and previous college work.
3. A Student Health Form completed by your physician.
4. Scores from the college scholastic aptitude and placement tests.

***IMPORTANT:** Your \$10.00 Student Activity Fee must be paid prior to your counseling appointment. Incoming freshmen may pay their fees on the day they are counseled.

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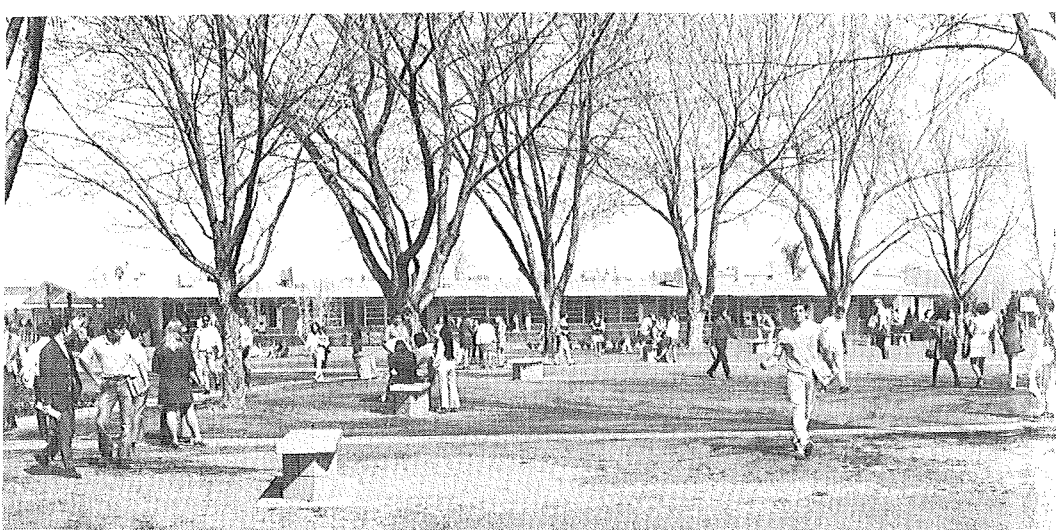
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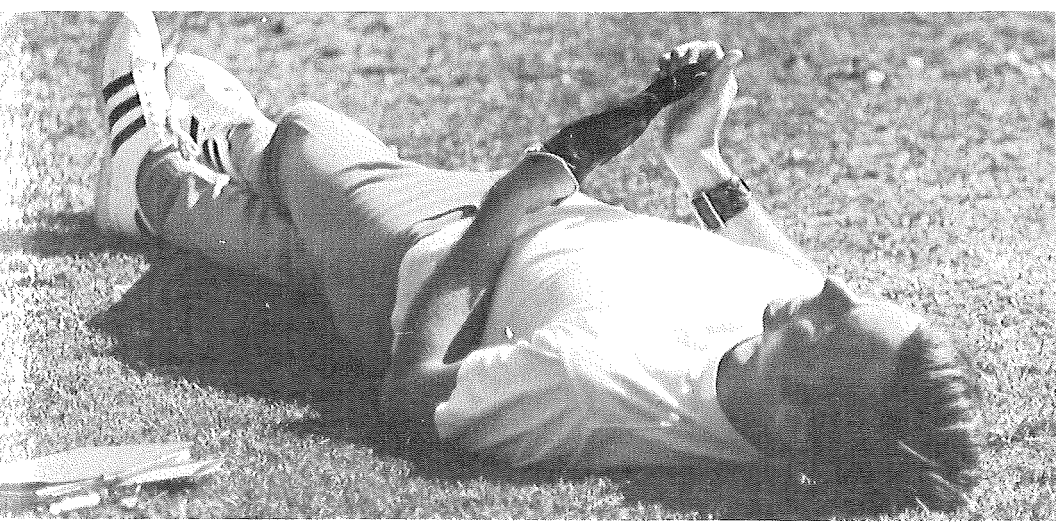


CALENDAR 1970 - 1971

FIRST SEMESTER

September 7, 1970 - January 26, 1971

June 15 - - - - -	Summer Session Begins
June 22 - - - - -	Counseling/Programming for First Semester Begins
July 18 - - - - -	College Placement (ACT) Test
August 17-28 - - - - -	Evening College Registration
August 21 - - - - -	Final Due Date, New Student Applications
August 21 - - - - -	Last Day to Petition for Readmission after Scholastic Disqualification
August 21 - - - - -	Registration for First Semester Closes
August 31-September 2 - - - - -	Closing Dates, Evening College Registration
September 7 - - - - -	General Faculty Meeting
September 8 - - - - -	Orientation Day
September 9 - - - - -	Evening College Instruction Begins
September 9-10 - - - - -	Class Instruction Begins
September 16 - - - - -	Confirmation of Registration
September 17 - - - - -	Last Day to Add Classes
September 17 - - - - -	Last Day to Add Classes, Evening College
September 28-October 2 - - - - -	First Census Week
October 17 - - - - -	Orientation Week
October 19 - - - - -	College Placement (ACT) Test
October 30 - - - - -	Counseling/Programming for Second Semester Begins
November 6 - - - - -	Last day to file for January Associate in Arts Degree
November 11 - - - - -	Mid-Semester
November 13 - - - - -	Veteran's Day (Holiday)
November 25 - - - - -	Deficiency Notices Mailed
November 26-27 - - - - -	No Evening College Classes
December 12 - - - - -	Thanksgiving Recess
December 21-January 1 - - - - -	College Placement (ACT) Test
January 4 - - - - -	Christmas Recess
January 18-21 - - - - -	Class Instruction Resumes
January 20-26 - - - - -	Final Examinations, Evening College
January 25-29 - - - - -	Final Examinations
January 26 - - - - -	Semester Recess, Evening College
January 27-29 - - - - -	End of Semester
	Recess between Semesters



CALENDAR 1970 - 1971

SECOND SEMESTER

February 1 - June 10, 1971

January 5	- - - - -	Final Due Date, New Student Applications
		Last Day to Petition for Readmission After Scholastic Disqualification
January 4-22	- - - - -	Evening College Registration
January 15	- - - - -	Registration for Second Semester Closes
January 25-27	- - - - -	Closing Dates, Evening College Registration
February 1	- - - - -	Class Instruction Begins, Regular Day and Evening College
February 1-2	- - - - -	Confirmation of Registration
February 10	- - - - -	Last Day to Add Classes
February 11	- - - - -	Last Day to Add Classes, Evening College
February 12	- - - - -	Lincoln's Birthday (Holiday)
February 20	- - - - -	College Placement (ACT) Test
February 22-26	- - - - -	Second Census Week
March 12	- - - - -	Last Day to File for Associate in Arts Degree
April 2	- - - - -	Mid-Semester
April 5-9	- - - - -	Easter Recess
April 12	- - - - -	Class Instruction Resumes
April 16	- - - - -	Deficiency Notices Mailed
April 24	- - - - -	College Placement (ACT) Test
		Business Placement Tests
May 1	- - - - -	Business Placement Test
May 8	- - - - -	Business Placement Tests
May 24-27	- - - - -	Final Examinations, Evening College
May 31	- - - - -	Memorial Day (Holiday)
June 1-7	- - - - -	Final Meetings, Evening College
June 4-10	- - - - -	Final Examinations
June 10	- - - - -	End of Semester
June 11	- - - - -	Faculty Clearance
June 13	- - - - -	Commencement
June 21 - July 30	- - - - -	Summer Session
July 30	- - - - -	Last day to file for July Associate in Arts Degree

DIVISION CHAIRMEN

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Division of Business - - - - - DOROTHY MYERS
Division of Fine Arts - - - - - GEORGE C. PAPPAS
Division of Industry and Technology - - - - - JOSEPH A. GUARISCO
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Division of Science, Mathematics and Engineering - - - - - SAMUEL J. PUSATERI
Division of Social Sciences - - - - - HAROLD L. FISCHER

FACULTY

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B. A., Duke University
M. A., San Diego State College
ANDERSON, VERNON A. - - - - - Sociology/Physical Education
A. B., M. A., Fresno State College
BALZER, MARY ANN R. - - - - - Nursing
R. N., Fresno County General Hospital
SDS Credential
BARBA, JOSEPH J. - - - - - English/Physical Education
B. S., M. S., Purdue University
BARTON, JAMES - - - - - Mathematics
A. B. Fresno State
M. A. University of Washington
BEARDEN, ALIA - - - - - Physical Education
A. B., Whittier College. M. A., California State College at Long Beach
BENNETT, LESLJE J. - - - - - Metal Technology
SDS Credential
BERG, LeROY - - - - - Dean of Men
A. B., M. A., Fresno State College
BETTENCOURT, BILL - - - - - Physical Education
A. B., M. A., Fresno State College
BIVONA, Michael J. - - - - - Sociology
B.A., M.A., San Jose State College
BOCK, RUTH C. - - - - - Business
A. B., M. A., Fresno State College
BRANCO, ALLEN A. - - - - - Physical Education
B. S., Washington State University
BRICKER, JOHN F. - - - - - History/Physical Education
A. B., Michigan State University. M. A., University of California
CABRERA, ANTHONY J. - - - - - French
A. B., University of California
CARMICHAEL, MARY A. - - - - - English
B. A. University of California at Santa Barbara

CLEVELAND, WILLIAM R. - - - - - Physical Sciences
 B. S., M. S., California Institute of Technology

COLE, JAMES M. - - - - - Psychology
 B. A., M. A., San Jose State College

CONLEY, RICHARD - - - - - Business
 B. S., M. S., Chico State College

COTTRELL, RICHARD S. - - - - - Architecture/Engineering
 A. B., M. A., Fresno State College

CRAIN, John - - - - - Geology
 B.S., M.S., University of Nevada

CROOKSHANKS, IVAN C. - - - - - Superintendent/President
 A. B., M. A., University of Redlands, Ed.D., University of California

DECKER, WILLIAM K. - - - - - English
 B. A., M. A., Colorado State College

DEETZ, LINCOLN - - - - - Architecture/Engineering
 B. S., River Falls State College

DISIBIO, CHRISTINE - - - - - Physical Education
 A. B., Fresno State College

DONALD, WILLIAM G. - - - - - Counseling
 B. A., Iowa Wesleyan College
 M. A., Western Illinois University

DUNN, Gene - - - - - Building Trades
 SDS Credential

EBERSPACHER, H. ROBERT - - - - - English
 B. A., Nebraska Wesleyan University
 M. A., California State Polytechnic College

EGGLESTON, STEPHEN W. - - - - - Dean of Evening College
 A. B., M. S., University of Southern California

ESSEX, WILFRID L. - - - - - Chemistry
 A. B., University of Southern California. M. A., Fresno State College

FISCHER, CURT - - - - - German
 A. B., M. A., Fresno State College

FISCHER, HAROLD L. - - - - - History
 A. B., University of Wisconsin. M. A., University of Southern California

FLAHERTY, MICHAEL W. - - - - - Business
 B. B. A., Woodbury College, B. A., New Mexico Highlands University.
 M. A., Pepperdine College

FLEMING, Kathryn L. - - - - - Nursing
 B.S., Fresno State College

FLY, JOHN - - - - - Building Trades
 A. A., College of the Sequoias; Vocational Class A Credential

FOTIAS, CHRIS A. - - - - - Spanish
 A. B., M. A., University of Michigan

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 B. B. A., Armstrong College. B. A., San Jose State College.
 M. B. A., Armstrong College M. A., San Jose State College

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 B. S., Oregon State College

FRITZ, IRVING - - - - - Music
 A. B., College of the Pacific

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 B. S., Pennsylvania State University. M. A., Ohio State University
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 A. B., Fresno State College. M. A., Stanford University
 GRUMBLING, Betty - - - - - English
 A.B., M.A., Chico State College
 GRUMBLING, HENRY M. - - - - - Audio-Visual Aids
 A. B., M. A., Chico State College; Ed.D., Colorado State College
 GUARISCO, JOSEPH A. - - - - - Coordinator, Industry and Technology
 B. V. E., Fresno State College
 HALL, GERRY - - - - - Business
 A. B., M. A., Fresno State College
 HALL, LINCOLN H. - - - - - -Dean of Instruction
 B. S., University of California at Los Angeles
 M. A., Claremont Graduate School
 Ph.D., University of Southern California
 HALL, MARCY M. - - - - - Home Economics
 B. A., M. S., Fresno State College
 HALL, ROBERT J. - - - - - English
 A. B., Northern State Teachers College (South Dakota)
 M. A., University of South Dakota
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 A. B., M. A. Fresno State College
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 B. A., Fresno State College
 M. A., Fresno State College
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 M. A., Northern Arizona University
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 A. B., Fresno State College
 HOMAN, RALPH J. - - - - - Art
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 HOWLAND, GARY E. - - - - - Mathematics/Biological Sciences
 B. S., Northwestern State College (Oklahoma)
 M. S., New Mexico Highlands University
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 B. S., Drake University. M. S., University of Southern California
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 B. S., University of California. M. A., Fresno State College
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 A. B., M. A., Fresno State College

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 M. A., University of Illinois
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 M. A., University of California
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 B. S., M. S., University of Oregon. Ph.D., Stanford University
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 B. Arch., University of Southern California
 MORSE, GEORGE C. - - - - - English
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 MURRAY, THOMAS - - - - - English/Philosophy
 A. B., Seattle Pacific College. M. Th., Berkeley Divinity School.
 Ph.D., Yale University
 MYERS, DOROTHY - - - - - Business
 B. B. A., University of Washington. M. S., University of Southern California
 NEWCOMER, DUANE - - - - - Music
 A. B., San Jose State College. M. A., Sacramento State College
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 A. B., Fresno State College. M. A., Stanford University
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 A. B., Linfield College, M. S., Oregon State College
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 SDS Credential
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 B. S., Utah State University
 B. S., Mankato State College
 M. S., Utah State University

PETERSON, LOIS - - - - - Nursing
 B. S., University of Minnesota

PETERSON, WAINO M. - - - - - Political Science
 B. A., M. A., University of Idaho

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 A. B., M. A., Fresno State College

PILECKI, Dianne - - - - - Nursing
 B.S., University of California (San Francisco Medical Center)

POL, MADELINE - - - - - Nursing
 M. S., M. S., San Francisco College for Women

PORTER, S. THOMAS - - - - - Political Science
 A. B., Stanford University. M. A., Fresno State College

PUSATERI, SAMUEL J. - - - - - Biological Sciences
 A.B., M.A., University of Buffalo. Ph. D., University of Southern California

QUINN, JAY G. - - - - - Director of Vocational Placement
 A. B., M. A., San Francisco State College

RAPHAEL, HOWARD L. - - - - - Mathematics/Counseling
 A. B., University of California at Los Angeles

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 A. B., Fresno State College

ROBERTSON, GLEN E. - - - - - English
 A. B., University of Utah. M. A., Brigham Young University

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 B. S., California Institute of Technology

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 B. S., Southeast Missouri State College. M. A., University of Michigan

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 M. S., Michigan State University

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 A. B., University of California. M. S., San Jose State College
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 A. B., San Jose State College. M. A., California State Polytechnic College
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 B. S., Michigan State University
 M. A., University of California (Medical Center, San Francisco)
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 B. S., Idaho State College. M. S., University of Colorado
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 A. B., Fresno State College
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 M.P.H., University of Michigan
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 B. S., Fresno State College
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 WHITE, MARGARET - - - - - Director of Registered Nursing Education
 B. S., Columbia Union College
 M. S., Loma Linda University
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 B. F. A., University of Utah

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MR. BRUCE F. JENSEN, Coordinator

MR. THOMAS J. GIST, Chairman Tulare	MR. SHELDON JACKSON . . . Visalia
MR. CARL LANDERS, Vice-Chairman . . . Exeter	MR. MARION G. MAASKANT Hanford
MR. JOHN DUBENDORF Ivanhoe	MR. DEAN MILLS Hanford
MR. EUGENE FLEMING Visalia	MR. E. W. (Tom) PAREGIEN . . Visalia
MR. MAX GARVER Exeter	MR. ARLEIGH PETERSEN . . . Visalia

COMMUNITY SERVICES

MR. STEPHEN W. EGGLESTON, Coordinator

REAL ESTATE

MR. RODNEY F. RITCHIE Hanford Kings County Realty Board	MR. EMERSON WESTCOTT . . . Visalia (Chairman) Visalia Realty Board
MR. WILLIAM W. PRESTIDGE . . . Porterville Orange Belt Realty Board	MR. CARL D. MILLER Tulare Tulare Realty Board

BUSINESS MANAGEMENT

MR. D. WAYNE ROBERTSON Visalia (Chairman) Tulare County Chamber of Commerce	MR. NORMAN J. REPANICH. . . Tulare Tulare Chamber of Commerce
MR. WARREN DAVIE Visalia Visalia Chamber of Commerce	MR. DONALD BARNETT . . . Hanford Manager, Economic Development Commission

MR. RAYMOND WALLACE. . .San Francisco
Small Business Administration

VOCATIONAL EDUCATION FOR HANDICAPPED ADULTS

MR. DON SIMONICH Tulare
MRS. EVELYN BENSON Tulare
MR. MILTON HUSTAD Visalia
VRS Counselor
State Department of Rehabilitation

MR. KENNETH CLIFFORDTulare
MRS. LEWIS YOUNG Tulare
MR. MERVIN FULTON Tulare
Fulton Productions, Inc.

VOCATIONAL - TECHNICAL

MR. JOSEPH A. GUARISCO, Coordinator

AUTOMOTIVE TECHNOLOGY

MR. ROY PETTY Visalia
Giant Chevrolet Company
MR. GARRETT MILLER Visalia
Bertram Motor Sales
MR. DEL YOUNG Tulare
Stan's Ford
MR. JOE DIAZ Visalia
Mahony and O'Dell

MR. DON R. PETERSON Visalia
Rayhill Brake Service
MR. VERNON JENKINS Visalia
Jenkins Automotive
MR. JOHN C. SPRINGER Visalia
Forestry Department, State of Calif.
MR. JOE IRVIN Visalia
Kottmeier Equipment Company

VOCATIONAL ELECTRONICS

MR. GLENN PETTYS Visalia
Sprague Electric Company
MR. LOUIS P. FUDGE Hanford
Continental Oil Company
MR. T. H. WOEKEL Visalia
Southern California Edison Company
MR. MORRIS FRUIT Lindsay
General Cable Corp.
MR. R. S. YOUNG Hanford
The Armstrong Rubber Company

MR. ORVAL WOOD Visalia
Tulare County Communications Dept.
MR. A. C. BURGIN Visalia
Pacific Telephone and Telegraph
Company
MR. JACK STEVENS Visalia
Mt. Whitney High School
MR. IVAN WILENKEN Visalia
Tulare County Communications Dept.

NURSING EDUCATION

DR. JOHN GATES Visalia
DR. GEORGE LAVERS Tulare
MRS. DONNA GILA, R.N. Reedley
Kings View Community Mental Health
Center
MRS. MARIE RUSH, R.N. Dinuba
Alta District Hospital
MR. ERNEST CASASSA Visalia
Kaweah Delta District Hospital
MR. WAYNE W. PITTS Exeter
Exeter Memorial Hospital

MR. EDWARD MCCLENDON Tulare
Tulare District Hospital
MRS. MILLICENT WILLIAMSON, Visalia
R. N.
California Nurses Association
MRS. HELEN MOORE, L.V.N. Visalia
Licensed Vocational Nurses League
MRS. HOPE WORTH, R.N. Hanford
Hanford Community Hospital
MRS. JANE FIALA Visalia
21st District P.T.A.

POLICE SCIENCE

- | | |
|---|---|
| MR. LEROY COVERT Farmersville
Chief of Police | MR. CURTIS HENDERSON . . . Hanford
Chief of Police |
| MR. JOHN W. BEENE Lindsay
Chief of Police | MR. BOB WILEY Visalia
Sheriff-Coroner, Tulare County |
| MR. ORVIE H. CLYDE Hanford
Sheriff, Kings County | MR. FLOYD ROSECRANS . . . Corcoran
Chief of Police |
| MR. J. B. MAYFIELD Woodlake
Chief of Police | MR. CLARENCE SPIER Dinuba
Chief of Police |
| MR. C. V. LINCICUM Tulare
Chief of Police | MR. FRANCIS TORIGIAN . . . Porterville
Chief of Police |
| MR. ELMER MOREHOUSE Exeter
Chief of Police | MR. FRANK BENTZEN Visalia
Chief of Police |
| MR. JOHN AMOS Lemoore
Chief of Police | |

VOCATIONAL TRAINING IN POLICE SCIENCE

- | | |
|--|--|
| MR. FRANK BENTZEN Visalia
Chief of Police | MR. MARVIN BILLINGS . . . Porterville
Patrolman |
| MR. FRANCIS TORIGIAN Porterville
Chief of Police | MR. JOHN C. WAINWRIGHT . . . Hanford
Patrolman |
| MR. BOB WILEY Visalia
Sheriff-Corner, Tulare County | MR. RUSSELL PRICE Visalia
Deputy, Tulare County |

**JOINT APPRENTICESHIP COMMITTEE
FOR
CARPENTRY**

- | | |
|---|------------------------------|
| MR. DALE RUTLEDGE
General Contractor | MR. JOHN HORN
Carpenter |
| MR. MELVIN WARD
General Contractor | MR. LARRY NULL
Carpenter |
| MR. WILLIAM BROWN
General Contractor | MR. BILL WALKER
Carpenter |

METAL TECHNOLOGIES

- | | |
|--|---|
| MR. JOHN TRASK Visalia
Visalia Welding Works | MR. WILLIAM VAN TICHELT Visalia
Van Tech Engineering, Inc. |
| MR. RICHARD SMITH Visalia
McGraw-Edison Power Systems
Division | MR. LESTER CHAPMAN . . . Lindsay
Chapman Welding Works, Inc. |
| MR. JAMES GADBURY Visalia
Prestolite Company | MR. GABRIEL PARODI Visalia
Westinghouse Electric Corp. |

VOCATIONAL FIRE SCIENCE

CHIEF JESSE GIVEN
Porterville Fire Department

CHIEF TED ILES
Strathmore Fire Department

CHIEF EVERETT TAYLOR
Lindsay Fire Department

CHIEF GERALD EWING
Exeter Fire Department

CHIEF ROY VOGT
Visalia Fire Department

CHIEF ERNEST FILIPPI
Hanford Fire Department

CHIEF PAT BECKETT
Woodlake Fire Department

CHIEF GILBERT SWANSON
Delano Fire Department

CHIEF GLENN DEPEW
Dinuba Fire Department

RAYMOND BANKS, Fire Control Ranger
Division of Forestry Visalia

CHIEF AL KESSLER
Corcoran Fire Department

CHIEF WESLEY P. SHORT
Tulare Fire Department

KENNETH HARP, Fire Control Ranger
Division of Forestry Hanford

BUSINESS DATA PROCESSING

MR. JACK THEIGE, Coordinator

MR. JOHN MANN
Tulare County Civic Center

MR. BILL TICKLE
Transystem's, Inc.

MR. PHILLIP LONGACRE
Consolidated Ripe Olive Company

MR. ROBERT SHAW
Armstrong Tire Company

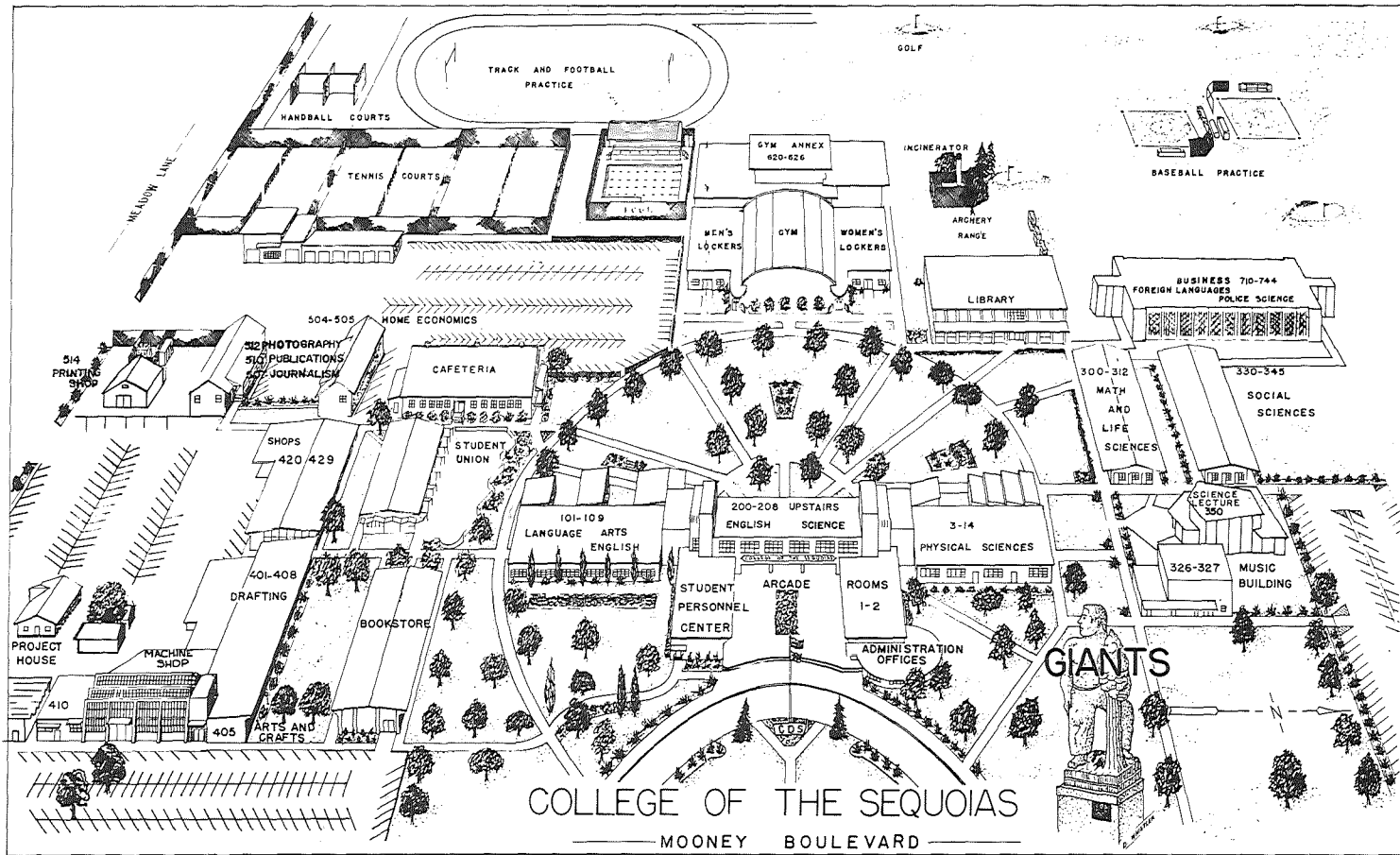
COSMETOLOGY

MRS. MARIE HAYES Lemoncove
Marie's Beauty Shop

MRS. GARNETT WHITE Hanford
Garnett's

MR. DON ESTES Visalia
LaCasa Don

MISS SHARON HELM Tulare
Claire's Beauty Shop



GENERAL INFORMATION

THE COLLEGE

The college was established by the Visalia Union High School Board of Trustees as Visalia Junior College in 1925, and offered the first post-high school instruction to students of this area beginning September, 1926. College classes were housed in the Visalia Union High School plant until September, 1940. At that time the college moved to its own fifty-five acre campus southwest of Visalia where new buildings had been completed.

On January 18, 1949, the voters of Tulare Union High School District and the Visalia Union High School District elected to organize the areas in these two high-school districts into a junior-college district. During the spring the students voted on a name for the newly-formed junior-college district. From the names suggested by the students, the board of trustees chose the name, College of the Sequoias.

On January 18, 1950, the voters within the Exeter Union High School District and the Woodlake Union High School District voted to join the College of the Sequoias District.

On September 19, 1950, the voters within the Lindsay Unified School District voted to join the College of the Sequoias District.

On April 17, 1962, the voters within the Orosi Union High School District and the Alpaugh Unified District voted to join the College of the Sequoias District.

On September 18, 1962, Corcoran Unified District voted to join the College of the Sequoias District.

On November 6, 1962, Hanford Joint Union High School residents voted to join the College of the Sequoias District.

On December 11, 1962, the voters within the Westside Unified District voted to join the College of the Sequoias District.

College of the Sequoias serves an area of more than three thousand square miles in the heart of the San Joaquin Valley. Its offerings include an educational program for students who plan to continue their education, as well as terminal courses for specific occupations. The college provides counseling service for all students with special emphasis on vocational programs.

AIMS AND OBJECTIVES

The general aim of the College of the Sequoias is to provide educational services for the various communities of its area. This aim requires of it a variety of functions and programs which include training for occupational competency, for civic competency, and for personal efficiency. The College of the Sequoias will provide formal college education for the youth of the communities and will, as well, serve as an active cultural center, attempting to meet the total post-high school needs of the communities.

The specific aims of the College of the Sequoias are:

1. To provide comprehensive training to those students who will finish their period of formal education in the junior college. This is designed to achieve occupational competence.
2. To provide every student that training which will prepare him to function effectively as a citizen.
3. To assist its students to "find themselves" through proper counseling and guidance.

4. To provide an adequate lower-division offering for those students who plan to transfer to a university or college after completing two years in junior college.
5. To provide instruction to meet the needs of adults living in the region.
6. To provide an opportunity for students to remove any deficiencies they may have in entrance requirements to a university.
7. To provide experiences needed to increase the student's abilities to cope with everyday living as an adult in a rapidly changing world.

THE CAMPUS

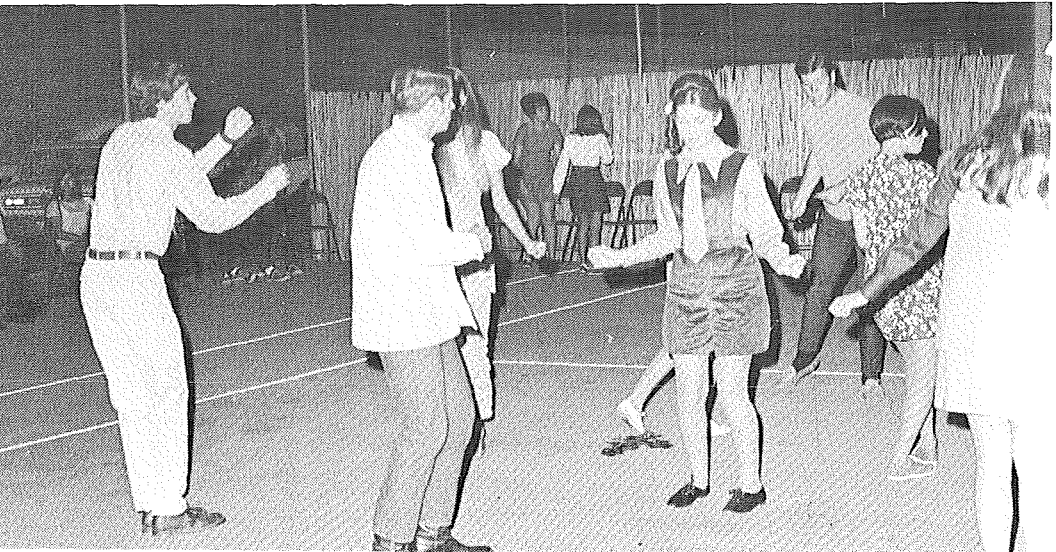
Our college occupies a 55-acre site. The buildings are modern and well equipped. Additions have been made each year. In the last ten years we have occupied a new \$250,000 library, \$121,000 social science building, \$85,000 student union, \$55,000 student store, \$165,000 industrial-technical building, \$130,000 swimming pool, \$250,000 physical education building and \$160,000 agricultural building.

New campus additions and improvements include an \$960,000 two-story classroom and laboratory building, housing the business division and departments of police science and foreign languages; a \$200,000 science lecture hall; and an expansion of parking facilities on the campus northside.

Plans are currently being projected to build a new fine-arts facility, to house an art gallery for student and community exhibits and to provide expanded instruction in ceramics, sculpture, crafts, graphic and commercial art, painting and interior design.

In addition to the fifty-five acre site on which the main buildings are located, we have a farm consisting of 160 acres. This farm has many buildings which include a shop, grade-A dairy farm, beef, hog, and poultry units. This farm is used as an experimental laboratory by the agriculture department.

College of the Sequoias, with its strategic location, its excellent buildings and facilities, together with a well-trained staff, will continue to serve the youth of this area. Constructive suggestions from students and patrons are always welcomed.



SERVICES AND PROGRAMS

The College of the Sequoias is a two-year community college offering post-high school educational opportunities to residents of the districts it serves in Tulare and Kings Counties. Its specific services and programs are as follows:

1. A vocational-occupational education program for those individuals who want two years or less of training in a specific skill leading to occupational competence and job placement.
2. A college-transfer program to provide adequate lower-division curriculums of universities and state colleges for those who plan to continue their education at an advanced level.
3. A general-education program to provide, through planned experiences, the common knowledge, skills and attitudes needed by each student to be effective as a family member, worker and citizen.
4. A continuing education program to meet the needs of the area's adult population by offering on-going education in the evening division.
5. A guidance program to provide educational, vocational and personal counseling to assist the student to find himself through the selection and pursuit of a career compatible with his interests, aptitudes and abilities.
6. A remedial program to provide the opportunity for students to remove scholastic deficiencies so that they might meet entrance requirements to institutions of higher learning.
7. A comprehensive program to provide varied experiences needed to enable youth and adults to cope more effectively with everyday living in a rapidly changing society.
8. Job and work placement services for vocationally oriented students for direct, full-time employment in the various agencies, institutions, businesses and industries of the community at large; part-time placement services for all students needing to work while attending college; assistance to needy students under the College Work-Study program, the National Defense Student Loan program, and the Economic Opportunity Grant Program; conducting occupational surveys to provide needed curriculum information to the college and to provide job market information to students and employers.

CURRICULUM

College of the Sequoias students may be classified into two major groups: those students who are planning to continue their education in four-year colleges or universities and those students who expect to enter some occupation either before or after graduation from junior college. The curriculum is designed to meet the needs of students in both groups.



COUNSELING AND GUIDANCE

Counseling and guidance are important aspects of the college program. The counselors and the deans constitute the regular counseling staff. All faculty members participate as advisers, and students are encouraged to consult them on problems concerning their courses.

Specialized counseling services are available from the counseling staff in the Student Personnel Center. The purpose of these services is to give students guidance in personal problems and counseling in vocational and educational fields. Professionally-trained counselors use modern scientific personnel methods in assisting students to analyze their aptitudes, interests, abilities, and personality traits. Up-to-date information about vocational training and opportunities is available.

Students may obtain information about vocational training and opportunities both from their counselors and from the Job Placement Office in which up-to-date information about employment is available.

LIBRARY

The functional and attractive college library was completed in February, 1959. Open stacks, typing, conference and listening rooms, as well as copy machines, microfilm readers and printers, and microfiche readers are features of the facility.

The present book collection of over 45,000 volumes has been carefully selected to meet course requirements and the recreational reading needs of students and faculty. More than 500 current magazines and newspapers are received regularly. Many of the more popular periodicals are being received on microfilm, with the microfilm collection growing rapidly. Foreign language, music, shorthand and art tapes are available upon request. Color slides and prints accompany the art tapes and facilities for listening to the tapes and viewing the prints or slides are provided.

The resources of other libraries in the state are available through inter-library loan.

VETERAN'S EDUCATION

The college is approved for training veterans under the provisions of all state and federal laws. Any student who plans to receive such benefits should contact the Student Personnel Center as soon as possible for further information and guidance.

WAR ORPHANS EDUCATION PROGRAM

This is a program of financial aid for the education of young men and women whose parents—World War II or Korean veterans—died of injuries or diseases resulting from their military service. The students must be approved for this training by the Veterans Administration. This approval should be made prior to confirmation of registration.

STATE AID TO PHYSICALLY HANDICAPPED

The State of California, through its Bureau of Vocational Rehabilitation, provides financial assistance to students, both civil and military, who have physical disabilities. This assistance equals the necessary school expenses and may include an additional amount to help cover the cost of living.

THE MILITARY AND SELECTIVE SERVICE

The college cooperates fully with various military programs to aid students in preparing themselves for their military obligations while remaining in college. College of the Sequoias officials also are in close contact with Selective Service and are in a position to give maximum help to students who desire to be deferred so that they may continue their education.

THE ASSOCIATED STUDENTS

The Associated Students of College of the Sequoias is the official student-body organization. Upon payment of the ten-dollar student-activity fee at registration each semester, the student receives a student-body card which entitles him to participate in the activities of the organization so long as he remains in good standing. All activities which concern the student body as a whole are sponsored by the associated students.

The business of the associated students is carried on by the Student Executive Board, the members of which are elected by the students. Comprising the executive board are the president, vice-president, sophomore class president, freshman class president, Inter-Club Council president, Associated Men Students president, Associated Women Students president, and the commissioners of art, finance, records, activities, athletics, and publications.

STUDENT ACTIVITIES

At the College of the Sequoias the responsibility of a junior college to help develop the social, emotional, and physical, as well as the intellectual growth of the student is recognized. Consequently, a variety of out-of-class, or co-curricular activities are provided. These activities include responsible, self-governing student government, assembly programs which are both educational and entertaining, a diversified athletic and recreation program, and social events which are designed to appeal to all students.

There are numerous actively-functioning clubs or college-wide committees on the College of the Sequoias campus. These groups are headed by the Inter-Club Council, which works with, but is subordinate to, the Student Executive Board. The constitution of the Associated Students of College of the Sequoias vests financial control over student-body funds in the executive board which is composed of elected representatives of the student body. This governing group, which is advised by the Dean of Men, also makes final decisions on virtually all matters concerning extra-curricular activities.

Clubs and Organizations: Headed by the Inter-Club Council, the organizations presently active on campus are Agriculture Club, Alpha Gamma Sigma (honor scholarship society), Bushido Club, Business Club, Canterbury Club, Chess Club, Delta Psi Omega (drama) Deseret Club, Ellen H. Richards Club (home economics), College Y, Future Teacher's Club, Inter-Cultural Communications Club, International Relations Club, Medical Arts Club, Newman Club, Physical Science and Engineering Club, Press Club, Sequoia Christian Fellowship, Ski Club, United Mexican-American Association, Varsity Club, Veterans Club, Young Democrats, Young Republicans, Associated Men Students, Associated Women Students, Art Services Committee, Assembly Committee, Rally Committee, Social Committee Student Properties Committee, and Technical Assistance Committee. The Building Trades Alumni, composed of former students majoring in building trades, also cooperate with the student body in connection with certain student activities.

Athletics: The College of the Sequoias is represented by men's teams in football, basketball, baseball, cross country, swimming, track, tennis, golf, water polo and wrestling. The College of the Sequoias is now competing in the recently formed Valley Conference composed of Fresno City College, Modesto Junior College, San Joaquin Delta, Sacramento City College, American River Junior College, and College of the Sequoias. Women athletes compete interscholastically in tennis and swimming.

Intramural sports also are stressed, with physical education activities such as bowling, golf, swimming, tennis, tumbling, badminton, weight lifting, boxing, archery, wrestling, folk-dancing, social dancing and modern dancing available to students. Most of these classes are offered on a co-educational basis.

Dramatics: An experimental theatre group offers interested students the opportunity to participate in both one-act and three-act plays.

Music: The choir, many smaller vocal groups, a marching band, a dance band, and various instrumental ensembles furnish music for assemblies and many special occasions during the school year.

Publications: College of the Sequoias journalism students publish a weekly newspaper (The Campus) and an annual (Koh-Kyo). Both publications have won many awards in rating contests. A handbook (Sequoiana) is published for distribution to students when they register in the fall. A college literary magazine (Fulcrum) is also published.

Social Affairs: Activities in the social sphere include a number of dances, both formal and sport, an all-school carnival, banquets, teas, barbecues, and luncheon meetings. Many of these functions are planned for college-wide participation while others are held mainly by and for the benefit of individual clubs or organizations.

LIVING ACCOMMODATIONS

Information regarding rooms or room-and-board situations for MEN who wish to live in the local area may be obtained from the main office.

WOMEN may obtain similar information from the Dean of Women's office. Women under twenty-one years of age who are not residing at home must have the approval of their parents or guardians if they have not secured local residence through college recommendations. Living in apartments, except in the case of married students, is not encouraged by the college.

There are no dormitories at the college.



EXPENSES

No tuition is charged except to out-of-state students. An activity fee of ten dollars is payable each semester prior to the scheduling of a counseling appointment.

There are no laboratory, gymnasium, library, locker or shop fees.

Textbooks and school supplies will cost approximately fifty dollars a semester. However, costs for supplies will vary according to the student's major—consult counselor. New and used textbooks and essential stationery supplies may be purchased on the campus at the C.O.S. Bookstore.

STUDENT INSURANCE COVERAGE

Members of the Associated Students of the College of the Sequoias are covered by personal accident or injury by a unique policy paid for by the student body and the College of the Sequoias District. In addition to other benefits this policy provides non-deductible coverage for accidents occurring during college sponsored and supervised curricular or co-curricular activities, either on or off campus.

This coverage may be supplemented, at the student's option, with fulltime accident and sickness-medical insurance available at a nominal fee.

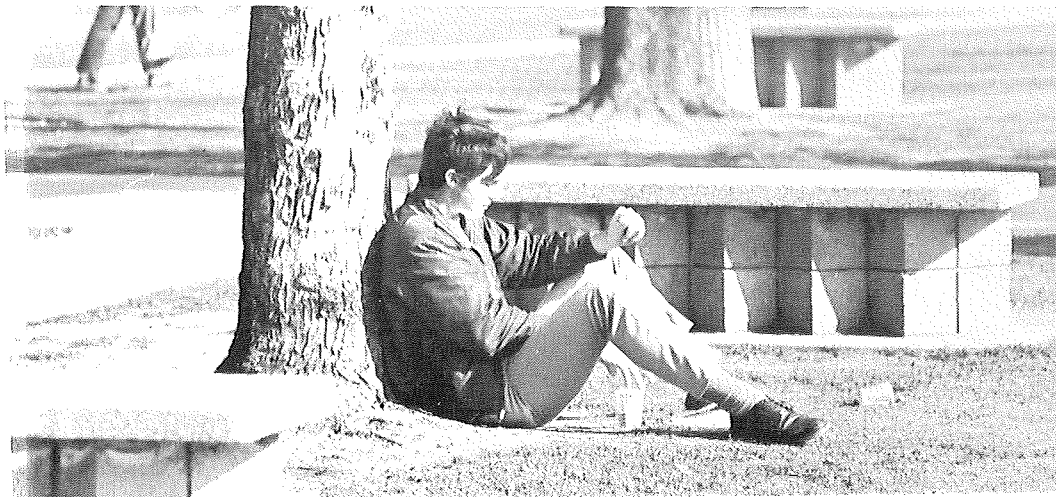
TRANSPORTATION

Transportation is provided to and from the college by a modern well-kept fleet of busses. These busses operate on "shoe string" runs, staying overnight at the end of the run. Areas served by busses include Alpaugh, Corcoran, Cutler, Earlimart, Exeter, Farmersville, Hanford, Ivanhoe, Lindsay, Orosi, Pixley, Strathmore, Three Rivers, Tulare, Visalia, Woodlake and Yettem.

Any student is eligible to ride these busses providing he lives a sufficient distance from the college.

STUDENT-ACTIVITY FEE REFUNDS

A refund of student-activity fees will be made only if students notify the college of their intention not to attend COS. This notification must be given prior to the first class meetings of the semester. Thereafter no portion of the ten-dollar fee will be refunded upon withdrawal.



CAMPUS PARKING

Limited parking facilities are provided for students on campus. Students who have bus transportation available to them are encouraged to ride busses rather than drive their own automobiles because of the added safety and financial savings. Those who do bring automobiles on campus are required to have state vehicle registration slips in plain view in the driver's compartment. Citations will be issued and fines assessed to anyone not parking legally or exceeding the speed limit. The speed limit on school grounds is 15 miles per hour.

PLACEMENT AND FINANCIAL AIDS

The college recognizes that one of the tests of its programs is the success with which current students, graduates, and former students meet the requirements of employers. The college has centralized its placement services in the Student Personnel Center. Here all students who are interested in part-time or full-time employment may file application forms for work. Every effort is made to place students in jobs for which they will be best suited in terms of interest, aptitudes, and past work experience. The college considers that satisfactory part-time work experience is an important part of the vocational adjustment of students, and the Student Personnel Center whenever possible, places applicants where the experience will be most beneficial.

Students who wish to work in private homes for room and board should consult the Dean of Women or the Dean of Men. No definite arrangements may be made by correspondence since a personal interview is always necessary.

Students who are interested in financial aids of all types may write to the Vocational Placement Office for additional information. A pamphlet describing the College of the Sequoias financial aids, including Federal Economic Opportunity Grants, National Defense Student Loans and other loans, the Federal College Work-Study Program, scholarships, and job placement will be mailed on request.



EVENING COLLEGE

GENERAL INFORMATION

The Evening College is an integral part of the college. It offers lower division subjects leading to graduation from college or high school, and work to meet the special needs and interests of adults. A regular class schedule is planned for each semester. College terminal and transfer credit is granted. A few non-credit courses of varying lengths also are conducted during semesters. All evening classes conform to the standards of regular day classes and are open to mature residents of the college district.

Most classes meet once or twice a week for two to four hours. They are planned to assist the adult learner. These classes may be scheduled for both day and evening from eight o'clock in the morning to ten o'clock in the evening, Monday through Saturday.

Appointments with trained counselors may be made by Evening College students in the administration office of the college.

EVENING COLLEGE OPPORTUNITIES

Because of the flexibility of its organization and its variety of courses, the Evening College is able to serve individuals of post-high school age irrespective of their background, training, and experience. Its aims include the extension of opportunities for improved living.

The Evening College serves the young college student who finds it convenient to take courses in the evening hours as part of his regular studies or who wishes to make up deficiencies.

The more mature adult who is employed during the daytime may enroll in the evening course of his leisure or vocational interest. He may also earn credit leading to graduation from college or high school.

Of immediate use to students are the subjects in general education, business, semi-professional, and technical fields. Featured also are upgrading courses in industry, work experience under supervision, as well as refresher, coaching, and avocational courses.

These services for adults are developed in cooperation with the community through representatives from trades, business, industry, commerce, professions, and community agencies.

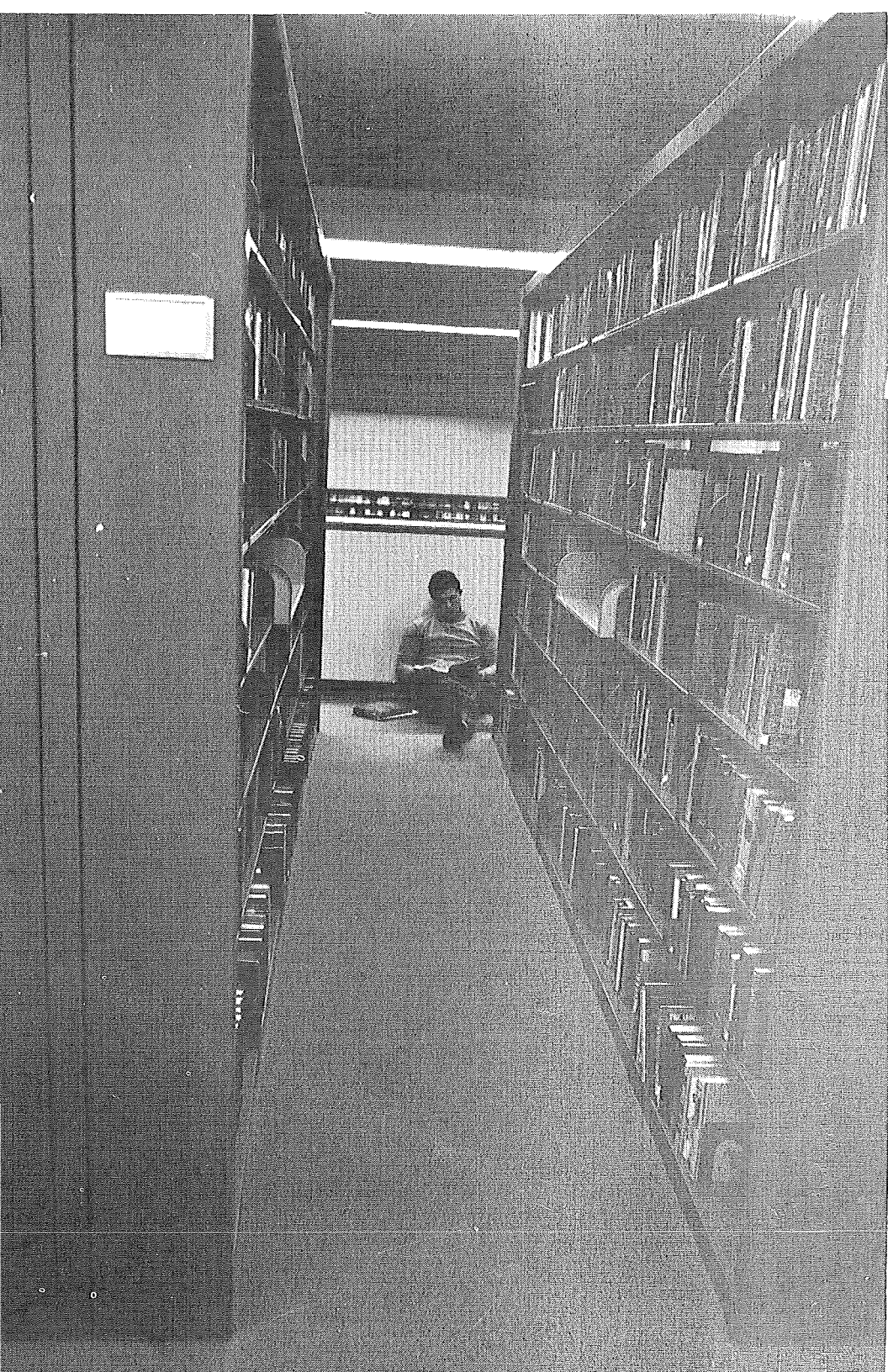
A brochure describing the Evening College program may be obtained in the administration office or will be mailed upon request. Registration procedures, fees and regulations are listed in the printed schedule of classes.

Complete course descriptions are printed in the college catalog.

FEES

Adults, with the exception noted in the schedule of classes brochure, will be charged \$3.00 per unit or fraction thereof. Non-credit classes of 9 weeks or longer will cost \$6.00 tuition. No auditing of courses will be permitted.

Laboratory, shop and material fees are assessed according to the amount of materials used. There are no fees for academic courses for students under twenty-one year of age.



GENERAL REGULATIONS

ADMISSIONS

Graduates of any high school, regardless of high-school courses taken, are admitted to this college, as well as such other persons over eighteen years of age who may be approved for admission by the administration. Courses taken in the college by students over eighteen years of age but who are not high school graduates may be credited by the high schools toward meeting high-school graduation requirements.

Non-high school graduates will be required to take a scholastic aptitude test prior to counseling or registration for day classes. The non-high school graduate will be admitted on probation.

Applicants for admission may secure application admission blanks and student health forms from the office of the registrar. Registration will not be completed until application blanks and health forms have been filled out and returned to the registrar. Transcripts of high school and college records must be on file in this office sufficiently early to be evaluated before individual counseling. A student may not be counseled or permitted to register before he has taken the scholastic aptitude test and the placement test(s).

Students from institutions of collegiate rank may be admitted upon the presentation of transcripts from such institutions, subject to approval by the administration of the College of the Sequoias.

Evening College Students: Any individual 18 years of age, or older, or high school graduates under 18 years of age may enroll, if not under scholastic disqualification

REGISTRATION

Registration must be completed before the beginning of each semester. In addition, students must verify their intention to attend by being present at the first meeting of each class in which they have enrolled. Students will be withdrawn from all classes in which they were absent on the first meeting of the semester. If unusual circumstances will prevent the student from attending on these days, he should obtain approval to enter late from the Dean of Student Personnel.

Only under extraordinary conditions will registration be permitted after class meetings begin.

Evening College Students may register by mail, in person during announced dates in the month prior to the beginning of classes, or during the closing dates for registration as published in the calendar in the catalog. Counseling services from the counseling staff are available to adults by appointment during registration periods.

APTITUDE AND PLACEMENT TESTS

The College of the Sequoias requires that all incoming students take the American College Testing Program aptitude tests (ACT) prior to counseling and registration. It is the responsibility of each person to apply approximately one month in advance to take the ACT. Application forms are available in the College of the Sequoias' Student Personnel Center as well as from the counseling offices of the high schools in the college district. Test dates and application deadline dates for 1969-70 are:

Test Date	Application Deadline
July 18, 1970	June 15, 1970
October 17, 1970	September 14, 1970
December 12, 1970	November 9, 1970
February 20, 1971	January 18, 1971
April 24, 1971	March 22, 1971
July 17, 1971	June 14, 1971

English and Speech Placement

The ACT results will be used for both counseling and English placement purposes. An acceptable score on the test is required for admission to such basic courses as English 1a and Speech 1a.

Business Placement Tests

For those who have had previous training in either shorthand or typing, tests are given to determine the placement of students in the various shorthand and type-writing classes. Test dates and times are:

Date	Time
April 24, 1971	1:30 p.m.
May 1, 1971	9:00 a.m.
May 8, 1971	9:00 a.m.

TRANSCRIPTS

Each applicant must file a certified transcript of his high school record with the College of the Sequoias. Applicants who have attended another college or university must, in addition, file transcripts from each college or university attended showing all attempted work. The College of the Sequoias grants credit for lower division work from accredited colleges or universities.

Failure to file transcripts may delay or prevent admission. Transcripts should be sent directly from the high school or college to the College of the Sequoias. All transcripts become the property of the College of the Sequoias and will not be returned.

MATRICULATION DEFICIENCIES

In the case of an applicant not eligible for clear admission to a standard college or university at the time of his entrance to junior college, deficiencies in both subject and grade requirements for such admission should be removed in the junior college.

Repetition of a college course for the purpose of removing a grade deficiency is permissible only in a case where the student has received a grade below "C".

OUT-OF-STATE STUDENTS*

The non-resident tuition fee for each semester is \$14.00 per unit.**

Students enrolled for non-credit will pay the same fees as if enrolled for credit. The application for admission must be accompanied by a deposit of \$25, which is non-refundable. It will be considered as partial payment of the tuition fee. The balance of the tuition fee is payable in full prior to the first date that class instruction begins. There will be no refunds after class instruction begins.

*The out-of-state student is one who is under 21 years of age, unmarried, and whose parents reside outside the state or in a foreign country.

**Tuition is subject to variation by the California State Board of Education.

CLASSIFICATION OF STUDENTS

Freshman: Students with fewer than 30 units of college credit.

Sophomores: Students who have completed 30 units of college credit.

Others: Students who have completed more than 60 units of college credit.

Full-time Students: Students carrying 12 units or more.

Part-time Students: Students carrying less than 12 units.

AMOUNT OF WORK

The normal requirement for a college schedule comprises fifteen units of work. No student will be granted credit in excess of eighteen units a semester, except in the case of a student of proven ability who needs additional units to complete required work for graduation.

COURSES FOR NON-CREDIT

A student may enroll in a course for non-credit in the regular day program if he receives permission in advance from the instructor and from a counselor. In the event of crowded conditions, students taking a course for credit will be given preference. A student will receive neither credit nor a grade when enrolled in a course for non-credit. The privilege of examinations and other facilities for credit in a course is not available to students enrolled for non-credit. A student may not change from non-credit to credit after the last day for adding classes are shown on the calendar. No auditing of classes is permitted in the evening college program.



CREDIT BY EXAMINATION

Credit by examination is authorized by the California Administrative Code, Title 5, Section 131.7 (e). To become eligible, a student must successfully observe the following procedures:

1. Must have completed a minimum of 15 units at the college with a grade point average of 2.0 ("C") or better, must be in good standing, and must be currently registered.

2. Must file for approval a petition to challenge a course by examination from the office of dean of instruction.

3. Must furnish strong proof to the satisfaction of the dean of instruction, division head and instructor that his previous background, experience or training would insure a reasonable measure of success in the challenge.

If the petition is approved, the examination or series of tests shall be administered by the appropriate instructor as designated by the division head. The course, with units and grade assigned, shall be entered on the student's record in the same way as regularly scheduled courses. If the student fails the examination, he shall not be permitted to repeat it. A maximum of 12 units may be earned by credit by examination.

Only those courses listed in the current catalog are approved and only in the amount of credit listed. Each division shall designate which of its course offerings may be challenged for credit. Ordinarily, no activity, performance, skill or laboratory course may be approved.

COLLEGE ABROAD PROGRAM

The College of the Sequoias accepts for college credit courses taught in foreign countries under the College Abroad program. Interested students, working with C.O.S. faculty members, may organize courses in a wide variety of subjects to be taught abroad during the summer.

MILITARY SERVICE CREDIT

To be eligible for military service credit, a veteran must have completed basic training and must have been honorably discharged. Credit may not be applicable until at least 15 units of credit with a grade point average of 2.0 ("C") have been earned at the college.

The college will grant credit on this basis only for service courses or schools as described in the "Guide to the Evaluations of Educational Experiences in the Armed Forces," by the American Council on Education.

It is strongly urged that students, if eligible, apply for their military service credit after transfer from the college, or instead, if appropos, petition for credit by examination.

PEACE CORPS CREDIT

Credit will be granted for service in the Peace Corps only if the work is entered on an official college transcript. No credit can be granted for field work.

ATTENDANCE

Regularity of attendance is fundamental to satisfactory progress in school work. Each student should assume the responsibility of regular attendance, not only because he can thus study most effectively, but also because his attendance assures the financial support which enables the institution to provide better facilities for all students.

The absence policy which has been adopted for College of the Sequoias follows:

- A. Any unexcused absence shall result in "F" for the day's work.
- B. Excused absences are to be made up to the instructor's satisfaction or they shall become unexcused.
- C. Unexcused absences in excess of the number of class units may result in the student's being withdrawn from the class.
- D. Unexplained absence for two consecutive weeks shall result in the student's being withdrawn from the class.
- E. It is the student's responsibility to verify personally to the satisfaction of each instructor that an absence is an excused one—because of illness or medical appointment.

PHYSICAL EDUCATION REQUIREMENTS

All students carrying over eight units of work are required by state law to complete regular prescribed courses in physical education each semester until age 21 or graduation, unless proper medical exemptions are presented to the Dean of Men or Dean of Women.

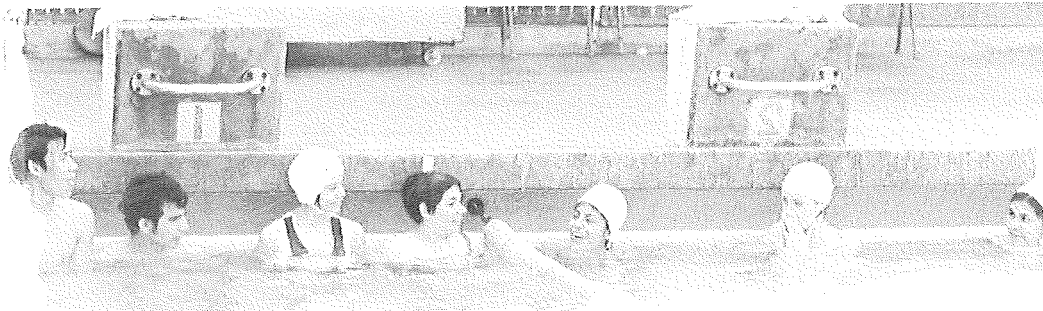
Any full-time student who fails to maintain attendance or is recommended for withdrawal from physical education classes will have his program reduced to eight units or less.

ATHLETIC ELIGIBILITY

In general, those students who are graduates of high schools within the College of the Sequoias District will be eligible to participate in athletics as long as they enroll in, and successfully pass, a minimum of ten units of class work, excluding physical education credit.

Out-of-state students may be eligible only if they are under twenty-one years of age and have made a bonafide move with their parents to the College of the Sequoias District.

Transfers from other junior colleges or from four-year colleges should confer with the Dean of Men or the coaches regarding their eligibility status.



CONDUCT

Students are expected to set and observe among themselves a proper standard of conduct. Failure to show such respect for order, morality, and personal honor as is expected of good citizens may be sufficient cause for removal from college.

LEAVES OF ABSENCE

Students finding it necessary to be absent for a period of three days or more are requested to see the Dean of Men or Women in order to obtain a leave of absence form. The reason for the absence is indicated on this form, as well as the dates of the proposed absence. If the leave is granted, the student has the privilege of making up the work missed in his classes. A leave of absence in no way relieves the student of the responsibility of completing all work to the satisfaction of the instructors involved.

WITHDRAWALS FROM COURSE OR COLLEGE

Students desiring to withdraw from a course or the college should file the proper request form with a counselor. Any withdrawal filed by a student by the last day of class meetings in a semester will be recorded on that student's transcript as a "W."

DEFICIENCY NOTICES

Deficiency notices are mailed to the student at mid-term (the end of the first nine weeks of a semester) for all classes in which the instructors think he is doing unsatisfactory "D" or "F" work.

A student receiving deficiency notices is urged to discuss with his instructors reasons and possible remedies for his lack of academic success.

SCHOLASTIC HONORS

Special recognition is granted to top scholars each semester. The president of the college commends, on the **Dean's List**, those students who attain a grade point average of 3.0 (B) or better with a cumulative grade-point-average of 2.0 minimum. In addition, he commends, on the **President's Honor List**, those special students who attain both a cumulative and a semester grade-point-average of 3.0 (B) or better. Qualification for either honor requires enrollment in a minimum of twelve units.

A record of these accomplishments becomes a part of the student's permanent scholastic record. In addition to the academic recognition, the student also will receive special priority for early appointment for program planning.

Upon application by the student at the end of each semester, grade-point-averages are computed to determine the students with 45 or more grade points. This scholastic record entitles the student to temporary membership in Alpha Gamma Sigma, California Junior College Honor Society. Not over ten percent of the members of each graduating class may become permanent members. Permanent members must have earned a total grade-point-average of not less than 3.3 and must have been temporary members for these semesters. At commencement they are awarded the Alpha Gamma Sigma pins and certificates and are graduated with honors.

GRADING PROCEDURES

All college work is measured in terms of both quantity and quality. The measure of quantity is the unit, and the measure of quality is the grade point.

High school courses for which credit was received in high school may be repeated as remedial work in college for improvement in grade, but no college credit will be granted for such work.

For purpose of graduating or transfer to other collegiate institutions, it is necessary for the student to obtain a "C" average.

"A", "B", "C", and "D" are passing grades, corresponding to excellent, good, average, and passing, "F" failure. An incomplete (Inc.) grade will be given only in cases of illness or other circumstances beyond the student's control and will indicate that the student is entitled to all grade points upon satisfactory completion of assignments within the first six weeks of the next semester of college. Failure to remove the incomplete within the designated period will result in a grade of "F".

It is understood that instructors' grades when handed in are final and not subject to change by reason of revision of judgement on the part of the instructor.

When a student repeats a course in which he has received a "D" grade, he will be entitled to the grade and grade points which he earns, but he will receive no additional units. When he repeats a course in which he has received an "F" grade, he will receive the grade, grade points and units earned. Units and grade points will not be revised for repeated courses in which a "C" grade has been earned.

It is the responsibility of each student to compute his current grade point average for his own guidance in determining whether his scholastic record is meeting his own needs.

As an example of computing a grade point average let us assume a student understood the subjects shown below and earned grades as indicated.

Subjects	Units Attempted	Units Passed	Grade	Grade Points
Physical Education	$\frac{1}{2}$	$\frac{1}{2}$	C	1
English 1a	3	0	F	0
Chemistry	5	5	A	20
Geology 1a	4	4	B	12
Math 54	3	0	F	0
Hygiene 1	0	0	W	0
	<hr style="width: 50%; margin: 0 auto;"/> 15½	<hr style="width: 50%; margin: 0 auto;"/> 9½		<hr style="width: 50%; margin: 0 auto;"/> 33

Grade point average is 33 divided by 15½ or 2.12.

Explanation: Since Hygiene 1 was dropped with a "W" it does not count as units attempted. All other subjects which were carried count as units attempted, including Math 54 in which the grade was "F" and English 1a in which the grade was "F."



SCHOLASTIC REGULATIONS

The scholarship average is obtained by dividing the total number of grade points by the total number of units for which the student was registered. Grade points are assigned as follows:

Grade A receives 4 points per unit of the course taken.

Grade B receives 3 points per unit of the course taken.

Grade C receives 2 points per unit of the course taken.

Grade D receives 1 point per unit of the course taken.

Grade F receives 0 point per unit of the course taken.

Satisfactory Scholarship means at least a "C" (2.0) average. To achieve at least a "C" (or 2.0) average, a student must have a minimum of twice as many grade points as he has units attempted.

Transfer Students—Any student transferring from another college shall be subject immediately to these same scholastic regulations.

PROBATION—A student is placed on scholastic probation whenever his cumulative grade point average is less than 2.00 (1.99 or lower). A student who is placed on probation will be notified by letter of his status and due notice thereof entered on his permanent college record. He will remain on probation until he attains a cumulative "C" (2.0) grade average. Students on probation will be limited to a maximum program of 15½ units except on approval of the Scholastic Review Board.

DISQUALIFICATION—A student on probation will be disqualified if at the end of a semester he falls below a 1.75 cumulative grade point average in the total units taken.

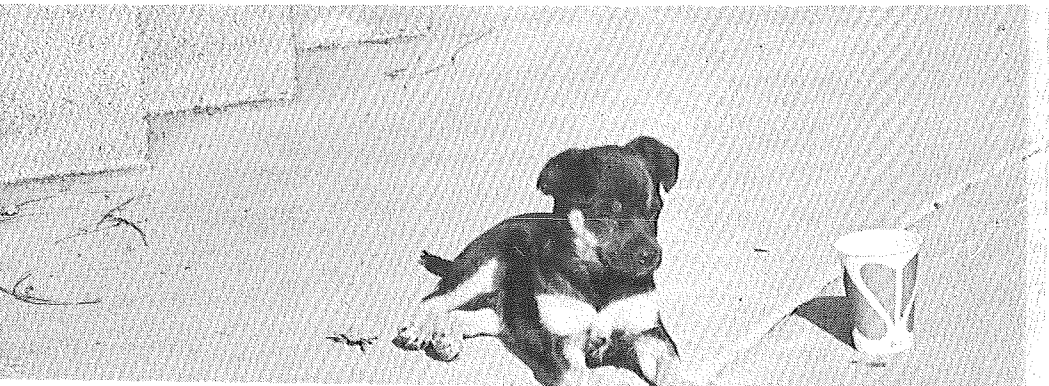
A scholastically-disqualified student will be so informed by letter and notice of his status will be entered on his permanent record.

Normally, a student who has been dismissed shall not be eligible for reinstatement or readmission until one semester has elapsed after the dismissal.

However, the college recognizes that extenuating circumstances may have contributed largely to the student's disqualification. To that purpose, the Scholastic Review Board will make recommendations relating to specific exceptions to this regulation, subject to the approval of the governing board of trustees.

If a disqualified student feels his case warrants an exception and wishes to be reinstated, he must petition the Scholastic Review Board for probationary readmission through his counselor. This applies to all students, whether regular day or extended day (evening college).

Any student readmitted after disqualification remains on probation until he attains a cumulative "C" (2.0) average.



FOREIGN STUDENT PROGRAM

The College of the Sequoias accepts a limited number of foreign students in the fall semester of each year. In order to keep a well-balanced representation of the various nations of the world, the number of students accepted from any one country is restricted.

In addition to the transcripts and health forms required from all applicants, to qualify for admission a foreign student must make an acceptable score on an English proficiency test which is administered in his own country. In most cases, a personal interview with a representative of the International Institute of Education or a similar organization is also required.

Working during the first semester is generally not allowed, and students must have sufficient funds to defray all expenses. No scholarships from the College are available to foreign students in view of the policy of not charging them the usual out-of-state tuition.

Foreign students are required to attend a special orientation held during the week before the College opens in the fall.

Students on an "F" or "J" type visa must register for a minimum of twelve units and they must maintain the same scholastic standards as other students.

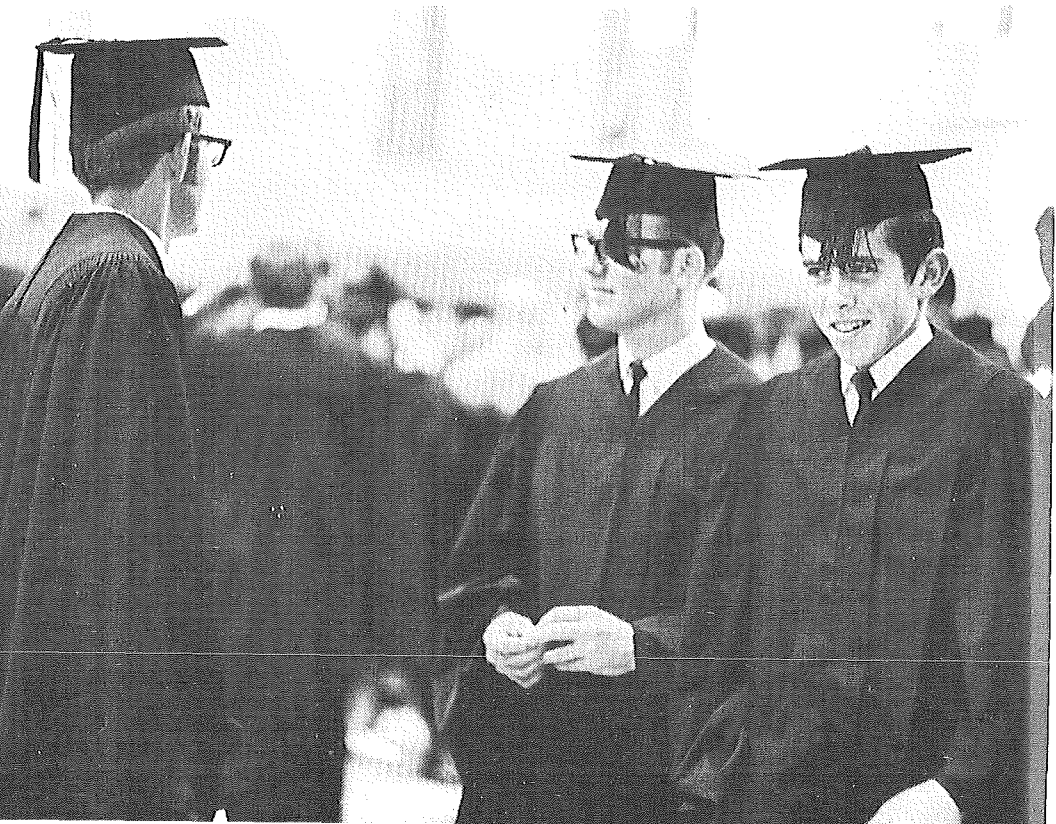
The deadline for applicants to be received is May 15. Requests for application forms and information should be sent to the Registrar.



REQUIREMENTS FOR GRADUATION

The degree of Associate in Arts will be awarded to all students upon the satisfactory completion of the following requirements:

1. A minimum of 60 units of college work with a "C" (2.0) average.
To achieve a grade point average of "C", a student must earn twice as many grade points as units attempted.
2. Two units in Physical Education earned at the rate of one-half unit per semester.
3. Two units of Community and Personal Hygiene, including the study of fire prevention, home safety, and accident prevention.
4. Three units in the Constitution of the United States, including the principles of California state and local government .
5. A minimum of three units in American History, including a study of American institutions and ideals.
6. Six units of English or Speech. For pre-engineering majors this requirement is reduced to three units. Students majoring in Industry and Technology who qualify for English 51 or English 1a may graduate with three units of English or Speech, except majors in Registered Nursing and Cosmetology for whom the requirement is six units. Non-transfer students majoring in Business are required to complete four courses in English or Speech.



7. A major consisting of at least 20 units of satisfactory work in specific subject areas or approved related fields. Students may select a major from the following groupings:
 - a. Majors in agriculture or home economics are offered within the Division of Applied Arts and Sciences with concentration in Agriculture engineering technology, agri-business, animal science technology, plant science technology, ornamental horticulture, pre-agriculture (for transfer), home economics, and pre-home economics (for transfer).
 - b. Majors in business are offered within the Division of Business with concentration in pre-business administration (for transfer), accounting, general business (clerical), business data processing, merchandising, office management, secretarial skills (general, legal, medical or medical office assistant), and real estate (evening college).
 - c. Majors are offered within the Division of Fine Arts in the subject areas of pre-art (for transfer), art, pre-music (for transfer), music, pre-drama (for transfer), pre speech (for transfer), speech-drama, and humanities (music, art, drama, literature, philosophy, history).
 - d. Majors are offered within the Division of Industry and Technology with concentration in the subject areas of pre-industrial technology (for transfer), pre-industrial arts (for transfer), automotive technology, building materials-merchandising, building trades, cosmetology, electronics technology, metal technology, registered nursing, vocational nursing, and welding technology.
 - e. Majors are offered within the Division of Language Arts with concentration in English, communications (English, journalism, speech), and foreign language. Each may be considered either as terminal or transfer.
 - f. Major areas of concentration in the Division of Physical Education, Health and Athletics are available in pre-physical education and pre-recreation, each being transfer-oriented.
 - g. Major subject areas within the Division of Science, Mathematics and Engineering are engineering technology, pre-engineering (for transfer), drafting, pre-architecture (for transfer), mathematics, biological sciences, and a combination of mathematics and science. The latter four should be constructed as primarily oriented toward transfer.
 - h. Major areas of emphasis within the Division of the Social Sciences are pre-law enforcement (for transfer), police science, social science (terminal or transfer), and teacher assistant.
 - i. An inter-divisional major in the liberal arts is offered. Twenty units must be completed in courses selected from at least four of the following five fields: social sciences (may include psychology), science or mathematics, foreign language, humanities (music, art, literature, philosophy), and English.
8. Fifteen of the total 60 units required for graduation must be completed in residence at the College of the Sequoias in order to qualify for graduation.

When preparing a program which meets the requirements for graduation, a student should plan to enroll in as many courses as feasible in the field in which he is primarily interested. If he is planning to transfer to another institution upon graduation from the College of the Sequoias, the student also should prepare, with the aid of his counselor, an educational program which will enable him to transfer to a college or university of his choice with full junior standing.





LOWER DIVISION REQUIREMENTS

GENERAL INFORMATION

A student who expects to transfer to the University of California or another institution maintaining equivalent standards must meet three principal kinds of requirements in order to attain full junior standing. These requirements are:

1. The removal of all matriculation (entrance) deficiencies.
2. The completion of the specific requirements for junior standing in the proposed senior college.
3. The completion of the lower-division prerequisites for the upper-division major. These prerequisites vary according to the major selected and also according to the institution in which the student expects to enroll. All students expecting to transfer to some other college or university should consult the catalog of that institution regarding specific requirements for upper-division standing. It is highly desirable that every student decide upon a major as early as possible after entering junior college. The basic junior standing requirements in certain fields of some of California's colleges and universities are here presented.

UNIVERSITY OF CALIFORNIA, BERKELEY

College of Letters and Science

Effective Fall, 1966, the University adopted the quarter system and hence will offer annually four quarters, any three of which will comprise the normal school year. Quarter credit hours rather than semester units are awarded and the student in full-time study normally will be expected to complete 45 credit hours per year.

In addition to the requirements for the major field of study, a substantial proportion of the following must be completed with a minimum grade average of 2.0 or "C". (This average applies to those eligible for university admission in freshman standing on the basis of high-school record. Those ineligible must maintain a minimum grade point average of 2.4 and must complete a minimum of 56 transfer units or 84 quarter credits).

- A. General requirements
Subject A or its equivalent
Hygiene, 2 units
- B. English 1a-1b or Speech 1a-1b (Those choosing the speech sequence will be required to take the Subject A examination upon transfer.)
- C. Foreign Language
The equivalent of at least 12 units in one foreign language.
High-school work accepted toward this requirement will reduce the number of additional units, but will NOT receive university credit.
- D. Humanities. At least 4 courses chosen from at least 2 groups, including not more than one course in performing arts and two courses in history. (Except for performing arts, courses must be 3 units each.)

Group A—Visual Arts and Music

Art 1a, 1b, 6a*, 6b*, 7a*, 7b*
Music 7*, 8*, 16a, 16b, 18*

Group B—Language and Literature

Drama 1, 2, 10a*, 10b*
English 4a, 4b, 5, 6, 30, 31, 44, 45, 46

Group C—History, Philosophy, and Culture

Geography 2
History 4a, 4b, 8a, 8b, 11, 12, 17a, 17b
Philosophy 6a, 6b
*“performing art”

- E. Social Sciences. At least 4 3-unit courses chosen from the following:
Anthropology 2, 3
Economics 1a, 1b, 10
Geography 2
History 4a, 8a, 8b, 11, 12, 17a, 17b (nor more than 6 units)
Political Science 5, 2
Psychology 1a, 16, 33, 39
Sociology 1a, 1b
- F. Natural Sciences. At least 4 courses, including at least one course in Group A and one course in Group B.
A. Either Chemistry 1a, or Physics 2a or 4a
B. Biology 1a-1b or
Botany 1 or
Zoology 1
- C. Additional courses as needed from:
Astronomy 10
Chemistry 1b, 9 - 9
Geology 1a, 1b
Mathematics 1a, 1b, 16a, 16b
Paleontology 10
Physics 2b, 4b, 4c
Physiology 1a - 1c



UNIVERSITY OF CALIFORNIA AT LOS ANGELES

College of Letters and Science

Junior class standing will be granted upon completion of not less than 56 semester units (84 credit hours) of college transfer work with a 2.0 or "C" average (or a 2.4 grade-point-average if ineligible for freshman entrance) and upon fulfillment of the following requirements:

1. General University requirements:
Subject A or its equivalent
American History and Institutions (History 11 or 12 and Political Science 5)
Physical Education, each semester
Hygiene, 2 units
2. English
One course in composition with a grade of "C" or better.
3. Foreign Language.
Sixteen units (or its equivalent) in one or two languages. If a new language is begun on the college level, it will not apply on this requirement until at least two semesters are completed.

Continuing students may elect the following options:

4. Humanities
0, 2, or 3 courses, dependent upon the student's major.
5. Natural Sciences
0, 2, or 3 courses, dependent upon the student's major.
6. Social Sciences
0, 2, or 3 courses, dependent upon the student's major (courses used to complete the American History and institutions requirement will **not** be applicable).

Those students having no previous collegiate work must select either of the two following plans:

- A. Three courses in each of the 3 divisions outside the major division:
 1. Physical Sciences: Astronomy, Chemistry, Geology, Mathematics, Meteorology, Physics .
 2. Bacteriology, Biology, Botany, Psychology, Zoology.
 3. Social Sciences: Anthropology, Economics, Geography, History, Journalism, Political Science, Sociology.
 4. Humanities: Literature, additional foreign language, Philosophy, Speech, Art history, Music history.
- B. Seven courses in any division outside the major division, and either one course in each of the two remaining divisions, or two courses in one of the remaining divisions.

UNIVERSITY OF CALIFORNIA AT LOS ANGELES

College of Fine Arts

The college offers majors in art, dance, music, and theatre arts leading to the degree of Bachelor of Arts. Teaching credential major specialization in pictorial arts, design, dance, and theater arts secondary teaching are offered in this college. Junior class standing will be granted upon completion of not less than sixty units of college transfer work with a 2.0 or "C" average (or a 2.4 grade-point average if ineligible for UCLA freshman entrance) based upon the following requirements:

A. General University requirements.

Subject A or its equivalent

American History and Institutions (History II or 12 and Political Science 5)

Physical Education, each semester.

Hygiene, 2 units

B. English Composition

One course, with grade of "C" or better

C. Foreign Language

At least two courses in one foreign language. The application of high-school work is subject to the results of a placement test.

D. Twenty eight (28) units chosen from the following areas, with at least 8 units in each of two areas other than foreign language:

1. Foreign language

2. Natural Science - any courses in physical or biological sciences or physical geography

3. Social Science - any courses in anthropology, economics, geography history, political science, psychology or sociology

4. Humanities - any courses in literature, philosophy, or the arts, outside the student's major department.



UNIVERSITY OF CALIFORNIA – SANTA BARBARA

Candidates for the Bachelor of Arts degree must complete the following general education requirements with a minimum grade average of "C" or 2.0 (or 2.4 in a minimum of 60 college transfer units if ineligible for freshman entrance).

General Education

	Minimum
1. English, Reading and Composition 1a, 1b	6 units
2. Foreign Language (5 quarter courses or equivalent.)	16 units
3. Humanities (at least one course in each area)	10 units
a. Literature (English or Foreign)	
b. Philosophy (any course)	
c. Fine Arts, History and Appreciation (Art, Dance, Music, Drama)	
4. History, Social Sciences, Psychology	12 units
a. History (any course)	
b. Three courses in separate areas:	
Anthropology (except physical)	
Economics (except Accounting or Statistics)	
Geography (except physical)	
Political Science	
Psychology	
Sociology	
5. Natural Science and Mathematics	9 units
One laboratory course required.	
a. Biology or Botany—1 course	
b. Chemistry, Geology, or Physics—1 course	
c. One course from the following:	
Anthropology (physical)	
Astronomy	
Biology	
Botany	
Chemistry	
Geography (physical)	
Geology	
Mathematics	
Physics	
Zoology	
6. Physical Activities	2 units
7. Free Electives (from a or b)	9-12 units
a. Four courses outside the major from areas listed above including Speech and excluding Physical Activities.	
b. Three courses outside the major from areas listed above including Speech and 1 unit of Physical Activities.	

STANFORD UNIVERSITY

All candidates for admission as undergraduates are required to take the Scholastic Aptitude Test of the College Entrance Examination Board. Arrangements to take this examination should be made by the student directly with the office of the College Entrance Examination Board, Box 1025, Berkeley 1, Calif.

All candidates for the Bachelor of Arts and Bachelor of Science degrees are required to complete general, basic and area requirements as follows:

General requirements:

Four semesters of Physical Education

Hygiene 1

Basic requirements:

1. English 1a-1b

2. History 4a-4b

3. One of the following areas:

Mathematics (Mathematics 53 or 54, 1a-1b, 16a-16b)

OR

Foreign language (German, French, Spanish. Attainment of reading ability equivalent to that of course 4)

Area Requirements:

Major courses of undergraduate study are grouped in three general areas, and all students must complete the following requirements in the two areas in which they are NOT majoring.

1. Humanities. At least eight units chosen from any two of these areas:

Fine Arts (Art 1a-1b or 19; Music 10 or 16a-16b)

Philosophy 6a, 6b

Literature (English 4a, 4b, 5, 6, 30, 31, 44, 45)



2. Social Sciences. Two of the following courses:

Anthropology 2, 3
Economics 1a
Geography 2
Political Science 5
Psychology 1a
Sociology 1a

3. Natural Sciences. A year of biology, if no biology was taken in high school, and one of the following sequences:

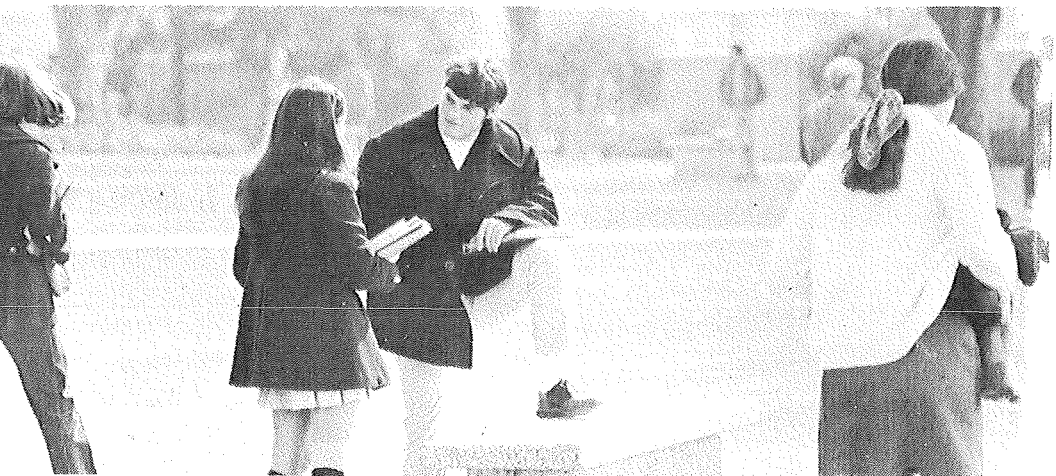
Chemistry 1a-1b
Geology 1a-1b
Physical Science 10, 12
Physics 2a-2b
Physics 4a, 4b, 4c

Students who have taken biology and physical science in high school may take EITHER biology or one of the series listed above.

Additional requirements for Bachelor of Arts candidates:

1. Philosophy 6a
2. Natural Science. Courses chosen from the following list which when added to the work completed under Area Requirements will total 12 or more units:

Anatomy 1
Biology 1a-1b
Botany 1
Chemistry 1a-1b
Geology 1a, 1b
Mathematics 1a-1b, 2a, 2b, 16a, 16b
Physical Science 10, 12
Physics 2a-2b, 4a, 4b, 4c
Physiology 1a-1c
Zoology 1



UNIVERSITY OF SOUTHERN CALIFORNIA

The first two years of the College of Letters, Arts, and Sciences are devoted to general education and certain lower-division subjects required of all students who are candidates for the Bachelor of Arts degree. The following program of courses offered at College of Sequoias will meet the requirements of the University.

A. General Requirements

1. and 2 English Composition. English 1a, 1b
3. U. S. History and Government, History 11 and 12, History 8a-8b, or History 17a-17b AND Political Science 5.
4. Foreign Language - 12 units in one language. * French 1, 2, 3; German 1, 2, 3; Spanish 1, 2, 3. A student may enroll in the college course for which his previous high-school training has prepared him. However, he must complete the 12-unit requirement in college work.

B. Humanities (minimum of 11 units)

1. Art - 3 units. Art 1a, 1b, 19. Drama 1, 2; Music 10, 16a, 16b.
2. Literature - 3 units. English 4a, 5, 6, 30, 31, 44, 45, 46 .
3. Philosophy and Religion - 3 units. Philosophy 6a, 6b.
4. Electives from 1, 2, 3 - 2 units.

C. Natural Sciences - 8 units, Anatomy 1; Astronomy 10; Bacteriology 1, 2; Biology 1, 2; Biology 1a, 1b; Botany 1; Chemistry 1a, 1b; Geology 1a, 1b 10; Paleontology 10; Physical Science 10, 12; Physiology 1a, 1c; Physics 2a, 2b, 3a, 3b, 4a, 4c; Zoology 1.

D. Social Sciences (minimum of 7 units)

1. History - 3 units. History 4a, 4b, 8a**, 8b**.
2. Other Social Sciences - 3 units. Anthropology; Economics 1a-1b, 10; Psychology 1a; Sociology 1a.
3. Elective from 1 or 2 - 1 unit.

E. Physical Education Activity - 4 semesters including swimming.

(No unit credit toward degree.)

*A student who wishes to satisfy the requirement with four years in one language in high school must make a satisfactory score on the USC Placement Test.

**History 8ab and Political Science 5 will satisfy the requirements under A3, D1, and D3.



COLLEGE OF THE SEQUOIAS
GENERAL EDUCATION REQUIREMENTS
for
STATE COLLEGE TRANSFER STUDENTS

California State colleges permit each junior college to establish general education requirements for its transferring students. The junior college may certify that a student has satisfied 40 of the 46 unit general education requirement. The remaining six units will be determined by each State college.

Following is the general education pattern which the College of the Sequoias has developed for State College transfer students:

I BASIC SUBJECTS (11-13 units)

- Required: English 1a
 Hygiene 1
 P. E. (2 units unless over 21 years old or medically excused)
 Psychology 1a
 Speech 1a

II NATURAL SCIENCE (9 units. One laboratory science required.) Choose at least one course from each area.

Life Sciences

- | | |
|--------------------|-----------------------------|
| Agronomy 1 | *Biology 1a |
| *Anatomy 1 | *Biology 1b |
| Animal Husbandry 7 | *Botany 1 |
| *Bacteriology 1 | Nutrition 8 |
| Bacteriology 2 | *Ornamental Horticulture 50 |
| | *Physiology 1a and 1c |
| | *Pomology 2 |
| | *Viticulture 1 |
| | *Zoology 1 |

Physical Sciences

- | | |
|---------------|--------------------------------|
| Astronomy 10 | Industrial Arts 12 (Auto Mech) |
| *Chemistry 1a | Meteorology 1 |
| *Chemistry 1b | Paleontology 10 |
| *Chemistry 2a | *Photography 1a |
| *Chemistry 2b | Physical Science 10 |
| | *Physical Science II |
| Chemistry 5 | (Also I.A. 11) |
| Chemistry 8 | Physical Science 12 |
| Geography 1 | *Physics 2a |
| *Geology 1a | *Physics 2b |
| Geology 1b | *Physics 4a |
| | *Physics 4b |
| | *Physics 4c |

*Laboratory Sciences

II. SOCIAL SCIENCES - 12 units. Required: Political Science 5 and either History 11, 12, 17a, 17b, or 8a-8b

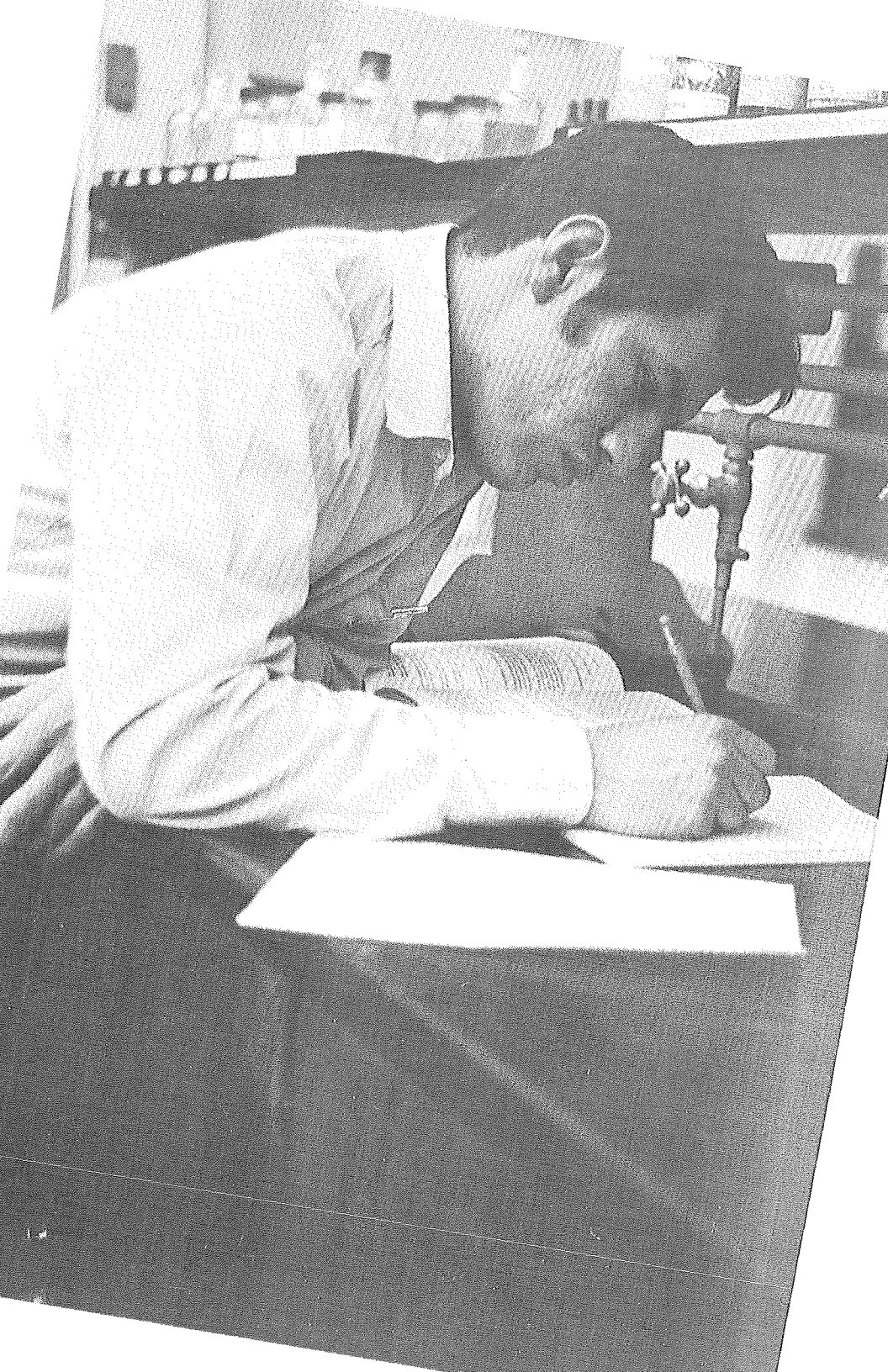
Business 10	History 4a
Anthropology 2	History 4b
Anthropology 3	History 8a-8b
Economics 1a	History 11
Economics 1b	History 12
Economics 10	History 17a
Geography 2	History 17b
	History 21
Home Economics 13 (Home Management)	Psychology 33
Political Science 2	Psychology 39
Political Science 5	Sociology 1a
Political Science 6 (or Journalism 7)	Sociology 1b
Psychology 1b	Sociology 26 (or Home Economics 26)

III. HUMANITIES (6 units minimum) Required: At least one course in literature or Philosophy.

Art 1a	*English 44
Art 1b	*English 45
Art 3	*English 46
Art 6a-6b	Foreign Language
Art 7a-7b (3)	Music 1a, 1b
Art 19	Music 2a, 2b, 2c, 2d
Cinema Arts 1, 2	Music 3a, 3b
*Drama 1	Music 6a, 6b
*Drama 2	Music 7a, 7b, 7c, 7d
*Drama 5	Music 8a, 8b, 8c, 8d
Drama 10a, 10b, 10c, 10d	Music 10
Drama 35	Music 16a
Drama 36	Music 16b
Drama 37	Music 18a, 18b
*English 1b	Music 19a, 19b
*English 4a-4b	Music 20
*English 5	Music 40a, 40b, 40c, 40d
*English 6	Philosophy 6a
*English 14	Philosophy 6b
*English 15	Speech 3
*English 30	Speech 40
*English 31	Speech 41

*May be used to fulfill the literature requirement.

Note: Students who transfer to State colleges with only partial fulfillment and without certification of completion of the College of the Sequoias' general education-breadth requirements will be required to meet the general education requirements of the State colleges to which they transfer.



SUGGESTED PROGRAMS

AGRICULTURE

Instruction is offered in three major divisions: plant science, animal science, and agriculture mechanics. Courses are designed to prepare students for farming or for jobs requiring practical agricultural training.

Students who plan to transfer to the University of California, to California State Polytechnic College, or to Fresno State College for degree work in agriculture may take their first two years at the College of the Sequoias. Because of the variations in the lower-division requirements of the four-year schools, transfer students should consult an agricultural counselor in planning their programs.

The one-hundred sixty acre farm laboratory owned by the college is available for demonstration and laboratory work. Animal units including dairy, beef, sheep, swine and poultry are kept at the farm. Crops including alfalfa, irrigated pasture, cotton, corn, cereal crops, deciduous fruits, and grapes are provided for practical field work.

SUGGESTED TWO-YEAR COURSES LEADING TO THE A. A. DEGREE AGRICULTURE ENGINEERING TECHNICIAN

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Speech - - - - -	3	English - - - - -	3
Political Science 51 - - -	3	History 51 - - - - -	3
Agriculture 51 - - - - -	3	Agriculture 50 - - - - -	2
Agriculture 57 - - - - -	3	Agriculture 92 - - - - -	2
Electives - - - - -	3	Electives - - - - -	5
Physical Education - - - -	$\frac{1}{2}$	Physical Education - - - -	$\frac{1}{2}$
	<u>15½</u>		<u>15½</u>

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Agriculture 53 - - - - -	3	Agriculture 54 - - - - -	2
Agriculture 55a - - - - -	3	Agriculture 55b - - - - -	3
Hygiene 1 - - - - -	2	Agriculture 56 - - - - -	3
Industrial Arts 10a - - - -	3	Industrial Arts 10b - - - -	3
Electives - - - - -	5	Electives - - - - -	4
Physical Education - - - -	$\frac{1}{2}$	Physical Education - - - -	$\frac{1}{2}$
	<u>16½</u>		<u>15½</u>

AGRI-BUSINESS

The recent and widespread expansion of urban areas together with the trend toward large-scale farming enterprises has resulted in a decrease in the number of those persons gainfully employed in production agriculture and has brought about a striking increase in the numbers of those engaged in the sales and service occupations connected with the production, processing, and marketing of agricultural products and of farm supplies.

CAREERS AHEAD', A publication of the Association of Land Grant Colleges and Universities indicates that in contrast to some 2,000 farming opportunities for agricultural college graduates throughout the country there are six times as many opportunities for nonfarming occupations—some 12,000 of which 7,500 are in agricultural business.

To qualify students upon graduation from college for local positions as sales and service personnel the following two-year combination Agri-business program has been inaugurated at College of the Sequoias.

Suggested Program

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
English - - - - -	3	Speech - - - - -	3
Chemistry 2 - - - - -	3	Chemistry 2b - - - - -	3
Agriculture 82 - - - - -	3	Agriculture 91 - - - - -	3
Agriculture 92 - - - - -	2	History 51 - - - - -	3
Business 70 - - - - -	3	Electives - - - - -	3
Electives - - - - -	2	Supervised Practice 99b - - -	1
Supervised Practice 99a - - -	1	Physical Education - - -	½
Physical Education - - - - -	½		
	17½		16½

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Agriculture 90 - - - - -	4	Political Science 51 - - -	3
Agriculture 93 - - - - -	3	Business 18 - - - - -	3
Agriculture 87 - - - - -	3	Agriculture 85 - - - - -	3
Economics 1a - - - - -	3	Agriculture 83 - - - - -	3
Agriculture 52 - - - - -	3	Hygiene 1 - - - - -	2
Supervised Practice 99c - - -	1	Electives - - - - -	2
Physical Education - - - - -	½	Supervised Practice 99d - - -	1
	17½	Physical Education - - -	½
			17½

Recommended business electives: Business 80a-b; Business 93; Business 72; Business 98; Business 59; Business 68a. Business 60a is required if the student has not already had a course in typewriting.

Recommended agriculture electives: It is preferable to choose the elective courses in agriculture from a major field of interest, e.g., Plant Science, Animal Science, or Agricultural Mechanics.

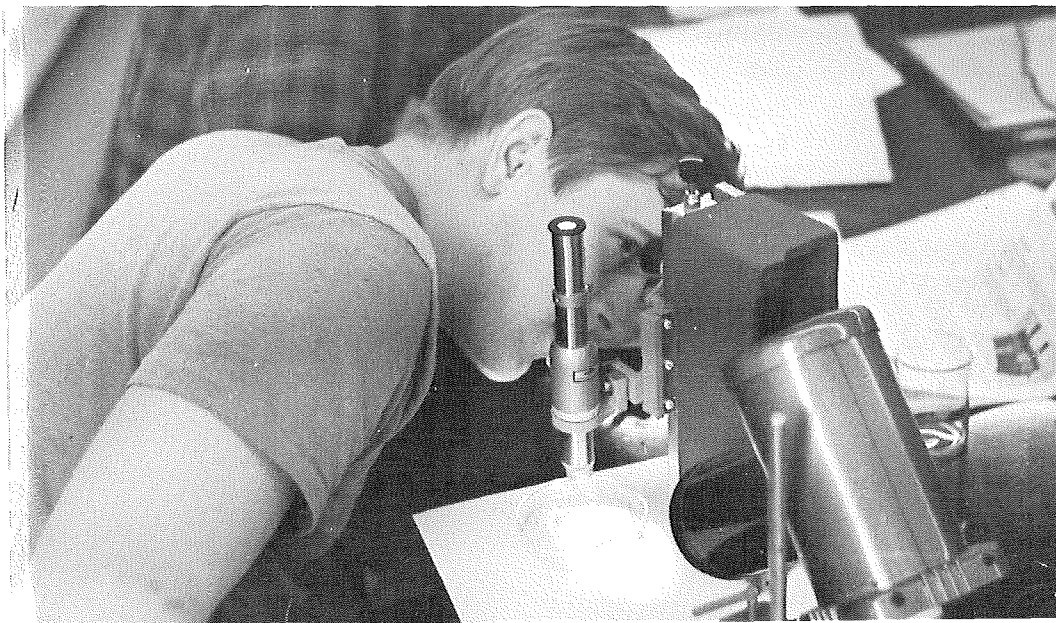
ANIMAL SCIENCE TECHNICIAN

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Agriculture 76 - - - - -	3	Speech - - - - -	3
Agriculture 87 - - - - -	3	Chemistry 2b - - - - -	3
Chemistry 2a - - - - -	3	Agriculture 65 - - - - -	4
History 11 or 12 - - - - -	3	Agriculture 84 - - - - -	3
Electives - - - - -	3	Hygiene 1 - - - - -	2
Supervised Practice 99a - - - - -	1	Supervised Practice 99b - - - - -	1
Physical Education - - - - -	- ½	Physical Education - - - - -	- ½
	16½		16½

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
English - - - - -	3	Agriculture 75 or	
Agriculture 90 - - - - -	4	Agriculture 63 - - - - -	3
Animal Husbandry 7 or		Agriculture 71 - - - - -	3
Agriculture 60 - - - - -	4	Political Science - - - - -	3
Animal Husbandry 8 - - - - -	1	Agriculture 51 - - - - -	3
Agriculture 50 - - - - -	2	Electives - - - - -	3
Agriculture 92 - - - - -	2	Supervised Practice 99d - - - - -	1
Supervised Practice 99c - - - - -	1	Physical Education - - - - -	- ½
Physical Education	½		16½
	17½		



PLANT SCIENCE TECHNICIAN

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Chemistry 2a - - - - -	3	Chemistry 2b - - - - -	3
Agriculture 88 - - - - -	3	Agriculture 91 - - - - -	3
Agriculture 82 - - - - -	3	History 11 or 12 - - - - -	3
Agriculture 92 - - - - -	2	Speech - - - - -	3
English - - - - -	3	Agriculture 83 - - - - -	3
Supervised Practice 99a - - - - -	1	Supervised Practice 99b - - - - -	1
Physical Education - - - - -	- ½	Physical Education - - - - -	- ½
	<hr style="width: 50%; margin: 0 auto;"/> 15½		<hr style="width: 50%; margin: 0 auto;"/> 16½

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Agriculture 87	3	Political Science 5	3
Agriculture 90 - - - - -	4	Hygiene 1 - - - - -	2
Agriculture 50 - - - - -	2	Agriculture 85 - - - - -	3
Agriculture 52 - - - - -	3	Agriculture 51 - - - - -	3
Electives - - - - -	3	Electives - - - - -	4
Supervised Practice 99c - - - - -	1	Supervised Practice 99d - - - - -	1
Physical Education - - - - -	- ½	Physical Education - - - - -	- ½
	<hr style="width: 50%; margin: 0 auto;"/> 16½		<hr style="width: 50%; margin: 0 auto;"/> 16½

ORNAMENTAL HORTICULTURE

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Ornamental Horticulture 50 - -	3	Ornamental Horticulture 51 -	3
Ornamental Horticulture 53a - -	3	Ornamental Horticulture 52 -	3
Ornamental Horticulture 55 - -	3	Ornamental Horticulture 53b	3
Ornamental Horticulture 56 - -	3	Ornamental Horticulture 54 -	3
Agriculture 92 - - - - -	2	Agriculture 87 - - - - -	3
Agriculture 50 - - - - -	2	Agriculture 83 - - - - -	3
Agriculture 82 - - - - -	3	Botany 1- - - - -	5
English - - - - -	3	Speech 51 - - - - -	3
History 51 - - - - -	3	Political Science 51 - - -	3
Hygiene 1 - - - - -	2	Supervised Practice 99b-99d	2
Elective - - - - -	3		
Supervised Practice 99a-99c - -	2		<hr style="width: 50%; margin: 0 auto;"/> 31
Physical Education - - - - -	<u>1</u>		
	33		

ARCHITECTURE AND ARCHITECTURAL ENGINEERING

College of the Sequoias offers two years of architectural courses that are patterned after California State Polytechnic College's courses. This will allow College of the Sequoias students to transfer into California State Polytechnic College's architecture and architectural engineering department, and proceed directly with their major courses.

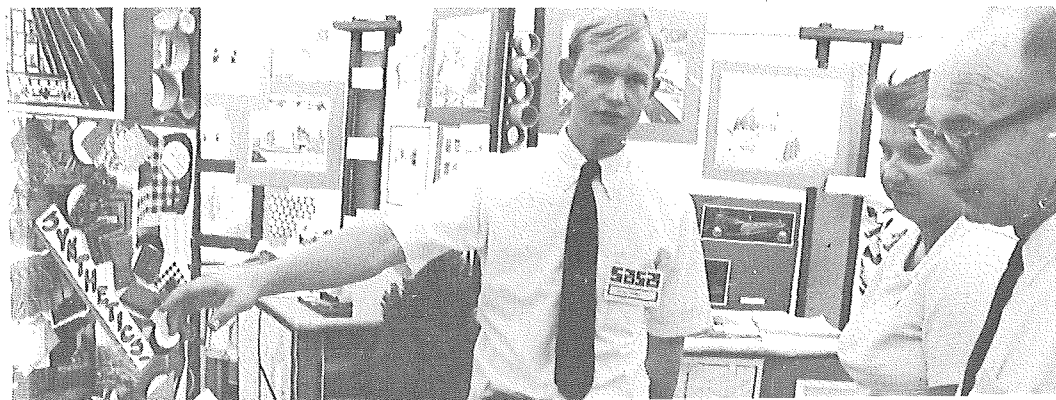
FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Architecture 1a - - - - -	2	Architecture 1b - - - - -	2
Architecture 2a - - - - -	3	Architecture 2b - - - - -	3
Architecture 6a - - - - -	2	Architecture 31 - - - - -	2
Architecture 40 - - - - -	1	Mathematics 1b - - - - -	4
Mathematics 1a - - - - -	4	Physics 4a - - - - -	4
English 1a - - - - -	3	English 1b - - - - -	3
Physical Education - - - - -	<u>½</u>	Physical Education - - - - -	<u>½</u>
	15½		18½

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Architecture 1c - - - - -	3	Architecture 1d - - - - -	3
Architecture 6b - - - - -	2	Architecture 6c - - - - -	2
Architecture 32 - - - - -	2	Architecture 33 - - - - -	2
Engr. 1a - - - - -	3	Physics 4c - - - - -	4
Physics 4b - - - - -	4	Biology 1a or - - - - -	(3)
History 11 or 12 - - - - -	3	Speech 1a - - - - -	(3)
Physical Education - - - - -	<u>½</u>	Hygiene 1 - - - - -	2
	17½	Physical Education - - - - -	<u>½</u>
			16½

City and Regional Planning majors may substitute Math (16a-16b-21) for Math 1a-1b and Physics 2a-2b for Physics 4a-4b-4c.



ART

Art offerings at the College of the Sequoias are designed to give maximum opportunities to both terminal and transfer students. These courses also provide basic training for students wishing to equip themselves for a vocation as well as for those who may enter other fields but desire to enrich their understanding and appreciation of art.

Transfer students may not be able to follow the suggested outline exactly because of the academic requirements of the university or special art school to which they wish to transfer. Art transfers are asked to secure guidance from their counselors in planning their program.

Suggested Program at State Colleges

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Art 6a - - - - -	2	Art 6b - - - - -	2
Art 7a - - - - -	3	Art 7b - - - - -	3
Political Science 5 - - - - -	3	History 11 or 12 - - - - -	3
Science - - - - -	3	Science - - - - -	3
English 1a - - - - -	3	English 1b - - - - -	3
Elective - - - - -	2	Elective - - - - -	2
Physical Education - - - - -	<u>½</u>	Physical Education - - - - -	<u>½</u>
	16½		16½

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Art 15a - - - - -	3	Art 19 - - - - -	2
Art 10a or 20a - - - - -	2/3	Art 15b - - - - -	3
Science - - - - -	3	Art 3 - - - - -	2
Speech 1a - - - - -	3	Social Science Elective - - - - -	3
Psychology 1a - - - - -	3	Hygiene 1 - - - - -	2
Art 1a - - - - -	3	Electives—General Education 2	2
Physical Education - - - - -	<u>½</u>	Art 1b - - - - -	3
	17½/18½	Physical Education - - - - -	<u>½</u>
			17½

Art 54 and 55 should be considered for some schools.



COMMERCIAL ART

College of the Sequoias offers a two-year major in Commercial Art which will provide the student with a basic foundation in the skills required in the Commercial Art field. Students are advised that more advanced preparation is advisable in this highly competitive field and may be acquired at various four-year institutions of higher learning.

FIRST YEAR

FALL SEMESTER	UNITS	SPRING SEMESTER	UNITS
Art 6a - - - - -	2	Art 6b - - - - -	2
Art 7a - - - - -	3	Art 7b - - - - -	3
Business 10 or 92 - - - - -	3	Photo 1a - - - - -	3
English - - - - -	3	Speech 1a or 51 - - - - -	3
U. S. History - - - - -	3	Pol. Sci. 5 or 51 - - - - -	3
Electives - - - - -	2	Electives - - - - -	2
Physical Education	$\frac{1}{2}$	Physical Education - - - - -	$\frac{1}{2}$
	<u>16½</u>		<u>16½</u>

SECOND YEAR

FALL SEMESTER	UNITS	SPRING SEMESTER	UNITS
Business 75a - - - - -	3	Business 75b - - - - -	1
Art 9a - - - - -	3	Art 9b - - - - -	3
Art 19 - - - - -	2	Art 20b - - - - -	2
Art 20a - - - - -	2	Hygiene 1 - - - - -	2
English - - - - -	3	Psych 1a or 51 - - - - -	3
Photo 60 - - - - -	2	Electives - - - - -	4
Physical Education - - - - -	$\frac{1}{2}$	Physical Education - - - - -	$\frac{1}{2}$
	<u>15½</u>		<u>15½</u>

Students who plan to earn a Bachelors Degree in Commercial Art should also take Art 1a-1b in addition to courses required to satisfy the general education requirements at four-year colleges.



BUSINESS

Modern business, as it becomes increasingly complex, requires beginning workers with an understanding of business and its relationship to society as a whole. Those students with a basic knowledge of the organizational structure of business and its functions and with a mastery of those skills required of the entering business worker will find their places more quickly and easily in the business environment. While each kind of business has characteristics exclusively its own, the fundamental problems of, and the principles underlying, business present great similarities.

Students of business should register for those courses which will provide them with a foundation upon which, through actual experiences in the business world, they may expand their knowledge and thus progress in the careers of their choice. This basic foundation should prepare them for the approximately five periods of retraining which appear to lie in their futures.

During the decade ending in 1975, predictions indicate that employment opportunities will be particularly numerous for workers who handle paperwork in the offices of public and private organizations. Since the volume of electronic data-processing equipment is expected to increase very rapidly in this period, being put to new uses almost daily, many of the lower-level clerical jobs will be eliminated by mechanization. However, business organizations are continuing to grow in size and complexity in our expanding economy, with an anticipated increase of 300,000 office workers each year; thus the positions available in the business occupations will outnumber those lost through the increase in the use of data processing.

In business classes students are encouraged to work to capacity and to progress as rapidly as is consistent with the business standards required. The skill-building classes in shorthand and typewriting allow placement of the student at the speed level corresponding to the maximum speed previously attained. Progression is determined by speed rather than by course sequence.

Adults are urged to attend the regular day or evening business classes for training in any skills which they may need to qualify for upgrading and promotion, for qualifying for civil service examinations, or for retraining.



College Pre-Business Administration Program

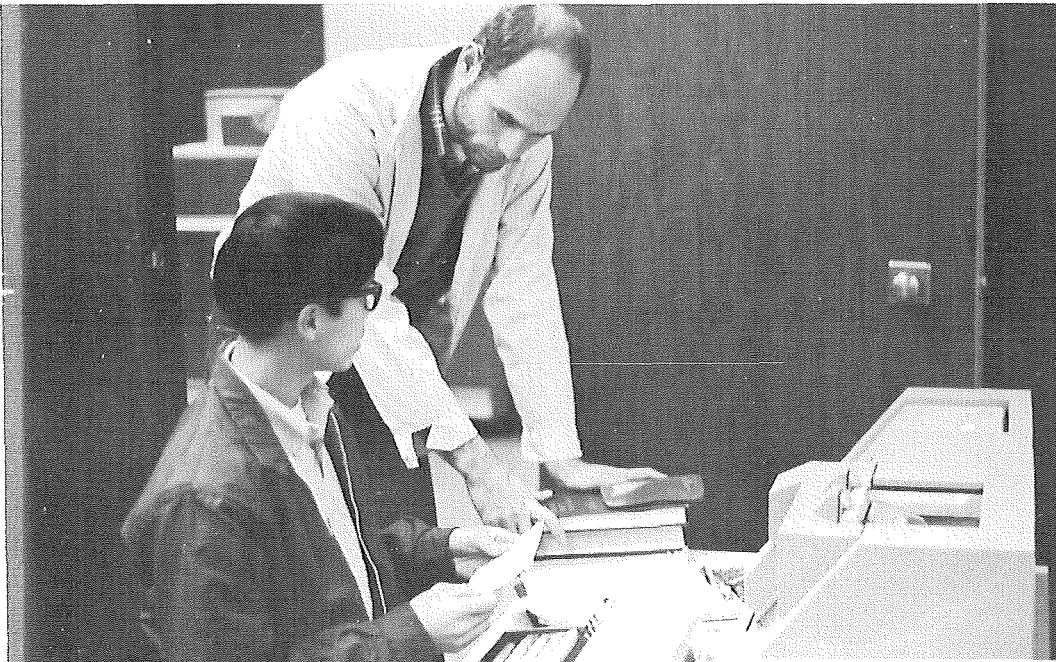
All college transfer courses listed for the Business Division parallel in content those same lower-division courses offered at the state colleges and universities.

Business administration students planning to transfer to a state college or university should consult the catalog of the school of their choice, as the lower-division requirements vary from school to school.

Most state colleges require that the business major complete Business 1a-1b and Economics 1a-1b in the lower division and demonstrate competency in typewriting and basic mathematics, either by taking a proficiency test or by registering for classes in these subjects in the junior college. Additional requirements for some schools are Business 10, Finite Mathematics, Business Law, Statistics and Data Processing. Students should consult the college catalog for the lower-division requirements in the field of their specialization as these requirements do not follow set patterns.

Many of the state colleges will accept for transfer credit business courses numbered above 50 in which the student has made a "C" or better. However, the colleges may accept only the number of units which they allow were the courses completed on their campus, or they may transfer the units for elective credit only. Students should check college catalogs for the total number of business units transferable in their majors so that they will not acquire more lower-division units in business subjects than will be accepted.

Transfers to the University of California or one of the branches should check carefully to see that they have fulfilled the mathematics requirements in addition to having taken Business 1a-b and Economics 1a-b.



AA AND CAREER CERTIFICATE PROGRAMS

College of the Sequoias offers ten two-year business career programs as preparation for occupational competency in the area of the student's choice. These programs, which lead to the Associate in Arts degree, require full-time enrollment with a minimum total of 60 units in curriculums broadened by the addition of general education courses of value to the student, and are available in: Accounting, Business Data Processing, General Business (Clerical), Legal Secretarial, Medical Office Assistant (Clerical), Medical Secretarial, Merchandising, Office Management, Real Estate, and Secretarial.

Career Certificates are awarded by the Business Division to students who meet the major requirements in these subject fields: Accounting, General Business (Men), General Business (Women), Secretarial, Legal Secretarial, Medical Office Assistant, Merchandising, and Business Data Processing.

The completion of the course sequences in the accounting and business data processing certificate programs preclude their completion within two semesters, but a student may complete the requirements for any of the other programs within that time.

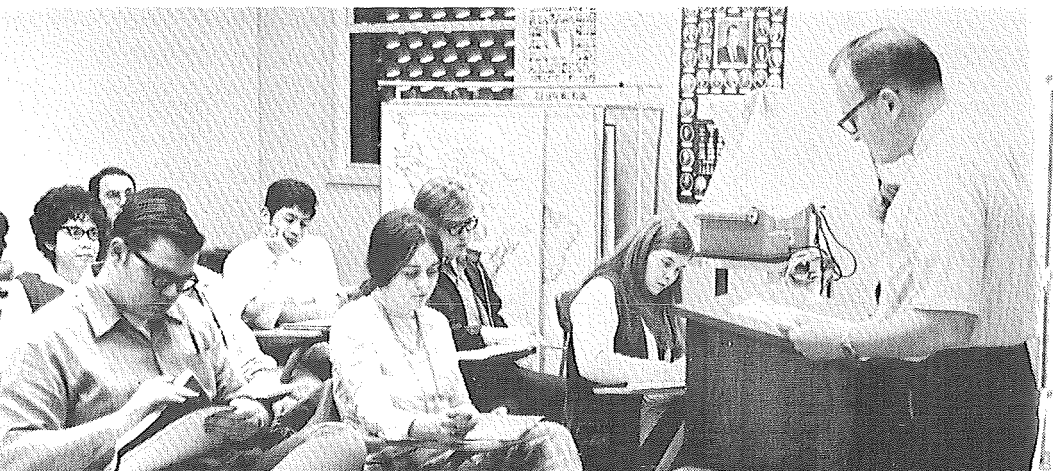
Prerequisites for obtaining a Business Career Certificate in one of the areas listed are:

- (1) Satisfactory completion of the designated program of the special field.
- (2) Where indicated, performance of the required skill at the "junior" employment level:

Shorthand: Secretarial - 80 wpm for five minutes with 95% accuracy
Legal Secretarial - 100 wpm for five minutes with 95% accuracy

Typewriting: 45 wpm for five minutes with no more than 5 errors

- (3) Maintenance of a grade point average of C (2.0) with no grade falling below this point.
- (4) Acceptable standards of attendance and citizenship.



CAREER CERTIFICATE PROGRAMS

Accounting

Note: This certificate will require more than two semesters.

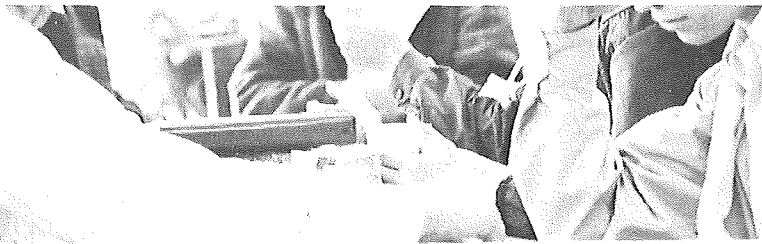
		Units
Business 80a-b	Elementary Accounting	4-4
81-82	Advanced Accounting; Tax and Payroll Accounting	4-4
83	Cost Accounting	3
92	Modern Business	3
68a-b	Office Machines; Advance Office Machines	3-2
111	Business Data Processing	3
96b	Writing for Business	3
96c	Business Report Writing	3
91b	Office Management	<u>3</u>
		39

General Business (Men)

Business	Typewriting (45 wpm for 5 minutes, 5 errors)	2-2
68a	Office Machines	2
88	Recordkeeping for Small Business	3
95	Business Arithmetic	3
59	Records Management	2
92	Modern Business	3
67	Duplication	1
93	Survey of Business Law	3
86b	Writing for Business	3
98	Human Relations in Business	3
111	Business Data Processing	<u>3</u>
		30

General Business (Women)

Business	Typewriting (45 wpm for 5 minutes, 5 errors)	2-2
68a	Office Machines	2
69	Machine Transcription	2
87	Accounting for Secretaries	2
95	Business Arithmetic	3
59	Records Management	2
92	Modern Business	3
67	Duplication	1
58a	Office Procedures	3
96b	Writing for Business	3
98	Human Relations in Business	3
58c	Charm	<u>1</u>
		29



		Secretarial	
Business		Shorthand (80 wpm for 5 minutes with 95% accuracy)	4-4 (5-5)
		Typewriting (or Transcription) 45 wpm for 5 minutes, 5 errors	2-2
58a		Office Procedures	3
58b		Executive Secretarial Procedures	3
96b		Writing for Business	3
59		Records Management	2
87		Accounting for Secretaries	2
67		Duplication	1
92		Modern Business	3
58c		Charm	<u>1</u>
			30

		Secretarial (Legal)	
Business		Shorthand (100 wpm for 5 minutes with 95% accuracy)	4-4 (5-5)
		Typewriting (45 wpm for 5 minutes with 5 errors)	2-2
55a		Legal Office Procedures	3
55b		Legal Secretarial Procedures	3
93		Survey of Business Law (or 18—Business Law)	3
96b		Writing for Business	3
96c		Report Writing	3
59		Records Management	2
69		Machine Transcription	<u>2</u>
			31

		Medical Office Assistant (Clerical)	
Business		Typewriting (45 wpm for 5 minutes with 5 errors)	2-2
56a		Medical Office Procedures	3
56b		Medical Secretarial Procedures	3
95		Business Arithmetic	3
96b		Writing for Business	3
59		Records Management	3
69		Machine Transcription	2
87		Accounting for Secretaries	2
67		Duplication	1
Biology	51	Human Biology	3
	52	Human Physiology	<u>4</u>
			31



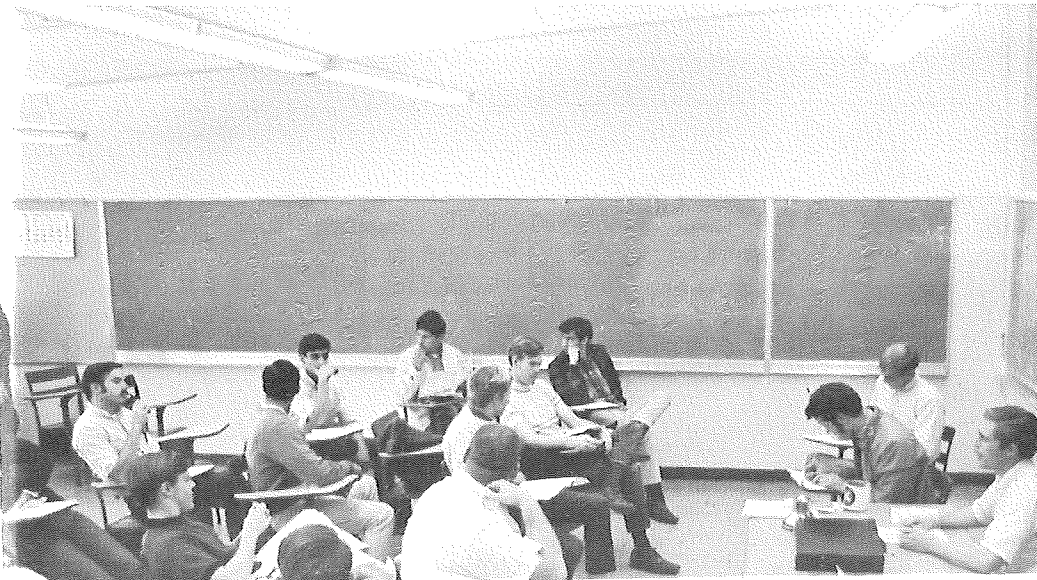
Merchandising

Business 71	Salesmanship	3
72	Retailing	3
73	Retail Buying	3
74	Marketing	3
75a	Advertising	3
76	Credits and Collections	3
92	Modern Business	3
95	Business Arithmetic	3
96b	Writing for Business	3
80a	Elementary Accounting	4
		<u>31</u>

Business Data Processing

Note: This certificate will require more than two semesters.

		Units
Business 111	Business Data Processing	3
113	Electromechanical Equipment	3
115	FORTRAN Programming	3
116	RPG Computer Programming	3
118	Administrative Systems and Procedures	3
119	IBM 1130 Assembly Language Programming	3
80 a-b	Elementary Accounting	4-4
82	Tax and Payroll Accounting	4
83	Cost Accounting	3
96b	Writing for Business	3
91b	Office Management	3
92	Modern Business	3
		<u>3</u>
		<u>42</u>



ACCOUNTING

Suggested Program

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Business 80a - - - - -	4	*Business 80b - - - - -	4
Business 68a - - - - -	2	Business 111 - - - - -	3
Business 92 - - - - -	3	Business 93 - - - - -	3
Business 59 - - - - -	2	Business 96b - - - - -	3
Business 67 - - - - -	1	Hygiene 1 - - - - -	2
English 51 - - - - -	3	Physical Education - - - - -	- ½
Physical Education - - - - -	<u>15½</u>		<u>15½</u>
	15½		

*The student who has had two years of high-school bookkeeping should register for Business 80b, substituting recommended electives for Business 80a.

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Business 81 - - - - -	4	Business 82 - - - - -	4
Business 94 - - - - -	3	Business 83 - - - - -	3
Business 96c - - - - -	3	Business 91b - - - - -	3
Business 98 - - - - -	3	Speech 51 - - - - -	3
History 51 - - - - -	3	Political Science 51 - - - - -	3
Physical Education - - - - -	<u>16½</u>	Physical Education - - - - -	<u>1½</u>
	16½		16½

Recommended electives: Business 13 (Business Consumer Problems); Business 22 (Business Mathematics); Business 58a (Office Procedures); Business 76 (Credits and Collections); Business 90 (Business Statistics); Business 95 (Business Arithmetic); Business 97 (Personal Finance); Business 91a (Small Business Management).



BUSINESS DATA PROCESSING

Suggested Program

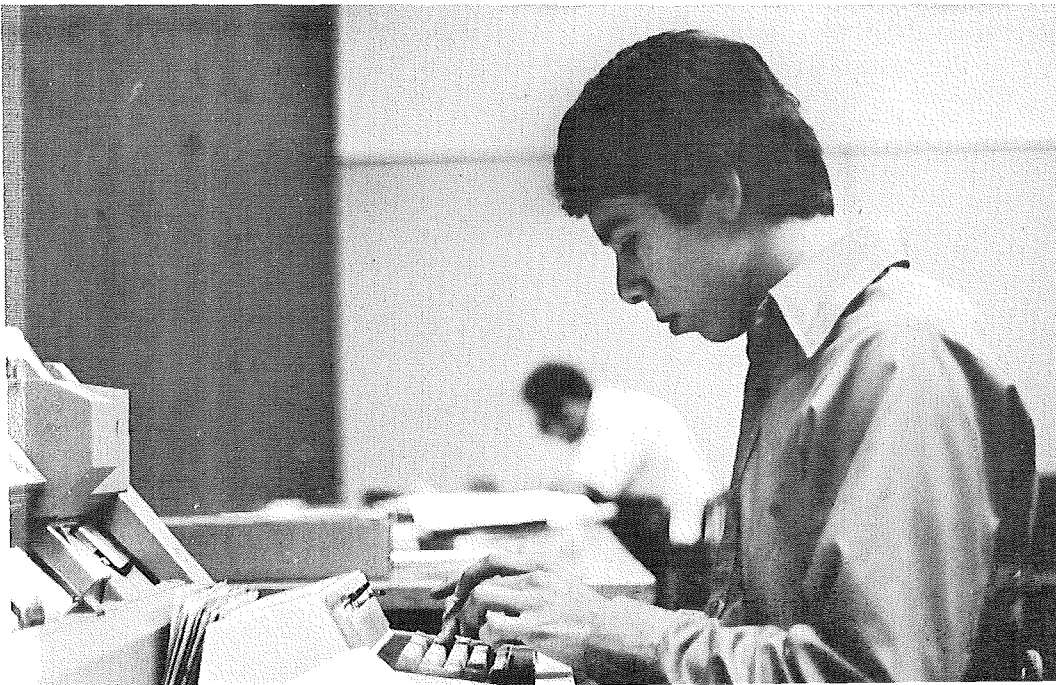
FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Business 111 - - - - -	3	Business 80b - - - - -	4
Business 80a - - - - -	4	Business 113a - - - - -	3
Business 92 - - - - -	3	Business 115 - - - - -	3
English 51 - - - - -	3	Business 96b - - - - -	3
Mathematics Elective - - - - -	3	Business 93 - - - - -	3
Physical Education - - - - -	<u>½</u>	Physical Education - - - - -	<u>½</u>
	16½		16½

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Business 116 - - - - -	3	Business 118 - - - - -	3
Speech 51 - - - - -	3	Business 82 - - - - -	4
Business 96c - - - - -	3	Business 83 - - - - -	3
Hygiene 1 - - - - -	2	Business 91b - - - - -	3
History 51 - - - - -	3	Political Science 51 - - - - -	3
Physical Education - - - - -	<u>½</u>	Physical Education - - - - -	<u>½</u>
	14½		16½

Suggested electives: Business 81 (Advanced Accounting); Business 91a (Small Business Management); Business 98 (Human Relations.)



GENERAL BUSINESS (CLERICAL)

Suggested Program

FIRST YEAR

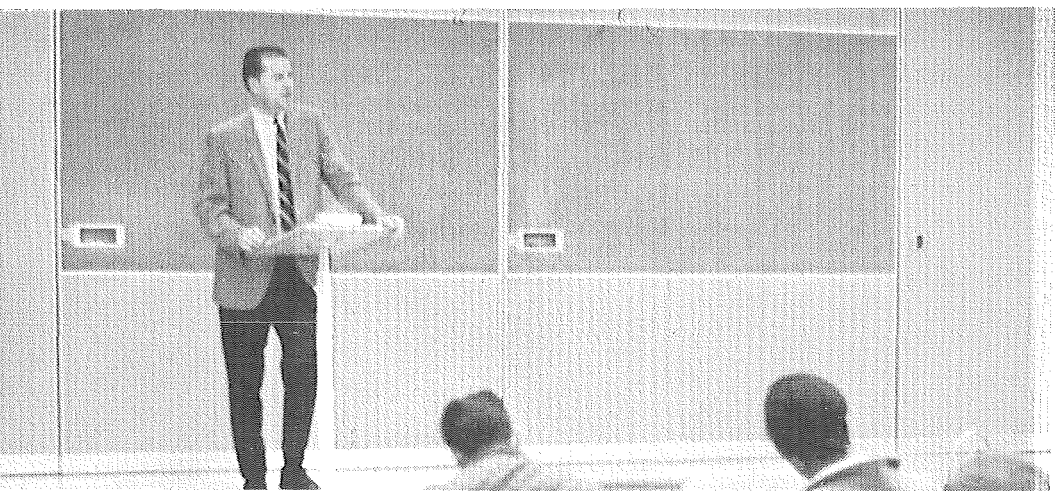
FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Business 60 or 61 - - - - -	2	Business 61 or 62 - - - - -	2-1
Business 70 - - - - -	3	Business 68a - - - - -	2
Business 95 - - - - -	3	Business 58c - - - - -	1
English 51 - - - - -	3	Business 59 - - - - -	2
Elective - - - - -	3	Business 92 - - - - -	3
Physical Education - - - - -	<u>1/2</u>	Speech 51 - - - - -	3
	14½	Hygiene 1 - - - - -	<u>2</u>
		Physical Education - - - - -	<u>1/2</u>
			<u>15½/14½</u>

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Business 61 or 62 - - - - -	2	Business 111 - - - - -	3
Business 67 - - - - -	1	* Business 87 - - - - -	2
Business 97 - - - - -	3	Business 58a (or 58b) - - - - -	3
Business 96b - - - - -	3	Business 69 - - - - -	2
Business 98 - - - - -	3	Business 93 - - - - -	3
Political Science 51 - - - - -	3	History 51 - - - - -	3
Physical Education - - - - -	<u>1/2</u>	Physical Education - - - - -	<u>1/2</u>
	15½		16½

* An elective should be substituted if the student has had high-school bookkeeping or accounting.

Recommended electives: Business 13 (Business Consumer Problems); Business 91a (Small Business Management); Business 68b (Advanced Office Machines); Business 58b (Executive Secretarial Procedures).



LEGAL SECRETARIAL

Suggested Program

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Business 52a - - - - -	4	Business 52b - - - - -	4
Business 53a - - - - -	2	Business 53b - - - - -	2
Business 96a - - - - -	3	Business 96b - - - - -	3
Business 92 - - - - -	3	Business 69 - - - - -	2
Business 58c - - - - -	1	Business 59 - - - - -	2
Hygiene 1 - - - - -	2	* Business 87 - - - - -	2
Physical Education - - - - -	<u>½</u>	Physical Education - - - - -	<u>½</u>
	15½		15½

* An elective should be substituted if the student has had high-school bookkeeping or accounting.

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Business 55a - - - - -	3	Business 55b - - - - -	3
Business 93 (or 18) - - - - -	3	Business 91b - - - - -	3
Business 96c - - - - -	3	Business 67 - - - - -	1
Business 98 - - - - -	3	Business 62 - - - - -	2
History 51 - - - - -	3	Political Science 51 - - - - -	3
Physical Education - - - - -	<u>½</u>	Speech 51 - - - - -	3
	15½	Physical Education - - - - -	<u>½</u>
			15½

Note: The specialized legal procedures and legal shorthand courses are offered only in alternate years; the entering freshman in the fall semester of 1969 should be registered in Business 55a.

Recommended electives: Business 97 (Personal Finance); Business 13 (Business Consumer Problems); Business 91a (Small Business Management); Business 111 (Introduction to Data Processing).



MEDICAL OFFICE ASSISTANT (CLERICAL)

Suggested Program

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Business 60a - - - - -	2	Business 59 - - - - -	2
Political Science 51 - - - - -	3	Business 60b - - - - -	2
Business 95 - - - - -	3	Business 96b - - - - -	3
Biology 51 - - - - -	3	Business 69 - - - - -	2
Business 96a - - - - -	3	Biology 52 - - - - -	4
Physical Education - - - - -	$\frac{1}{2}$	Hygiene 1 - - - - -	2
	<hr style="width: 50%; margin: 0 auto;"/>	Physical Education - - - - -	$\frac{1}{2}$
	14½		<hr style="width: 50%; margin: 0 auto;"/>
			15½

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Business 61a - - - - -	2	Business 91b - - - - -	3
Business 56a - - - - -	3	Business 76 - - - - -	3
Business 58c - - - - -	1	* Business 87 - - - - -	2
Business 96c - - - - -	3	Speech 51 - - - - -	3
Business 98 - - - - -	3	Business 93 - - - - -	3
Business 67 - - - - -	1	Hygiene 3 - - - - -	2
History 51	3	Physical Education	$\frac{1}{2}$
Physical Education	$\frac{1}{2}$		<hr style="width: 50%; margin: 0 auto;"/>
	<hr style="width: 50%; margin: 0 auto;"/>		16½
	16½		

*An elective should be substituted if the student has had high-school book-keeping or accounting.

Note: The specialized medical procedures courses are offered only in alternate years; they will again be offered in the college year 1970-71.

Recommended electives: Business 92 (Survey of American Business); Business 62 (Expert Typewriting); Business 22 (Business Mathematics); Business 97 (Personal Finance); Business 111 (Introduction to Data Processing).



MEDICAL SECRETARIAL

Suggested Program

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Business 52a - - - - -	4	Business 52b - - - - -	4
Business 53a - - - - -	2	Business 53a - - - - -	2
Business 92 - - - - -	3	Business 96b - - - - -	3
Business 96a - - - - -	3	Business 69 - - - - -	2
Biology 51 - - - - -	3	Business 58 - - - - -	1
Physical Education - - - - -	<u>½</u>	Biology 52 - - - - -	4
	15½	Physical Education - - - - -	<u>½</u>
			16½

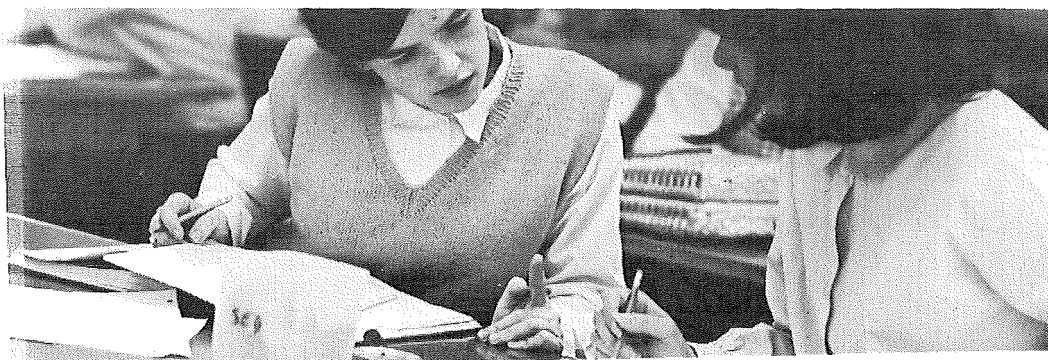
SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Business 56a - - - - -	3	Business 56b - - - - -	3
Business 96c - - - - -	3	Business 91b - - - - -	3
Business 59 - - - - -	2	Business 67 - - - - -	1
Business 98 - - - - -	3	Business 87 - - - - -	2
Hygiene 1 - - - - -	2	Speech 51 - - - - -	3
History 51 - - - - -	3	Political Science 51 - - - - -	3
Physical Education - - - - -	<u>½</u>	Physical Education - - - - -	<u>½</u>
	16½		16½

*An elective should be substituted if the student has had high-school book-keeping or accounting.

Note: The specialized medical procedures courses are offered only in alternate years; they will again be offered in the college year 1960-71.

Recommended electives: Hygiene 3 (Red Cross First Aid); Business 95 (Business Arithmetic); Business 22 (Business Mathematics); Business 76 (Credits and Collections); Business 97 (Personal Finance); Business 111 (Introduction to Data Processing).



MERCHANDISING

Suggested Program

FIRST YEAR

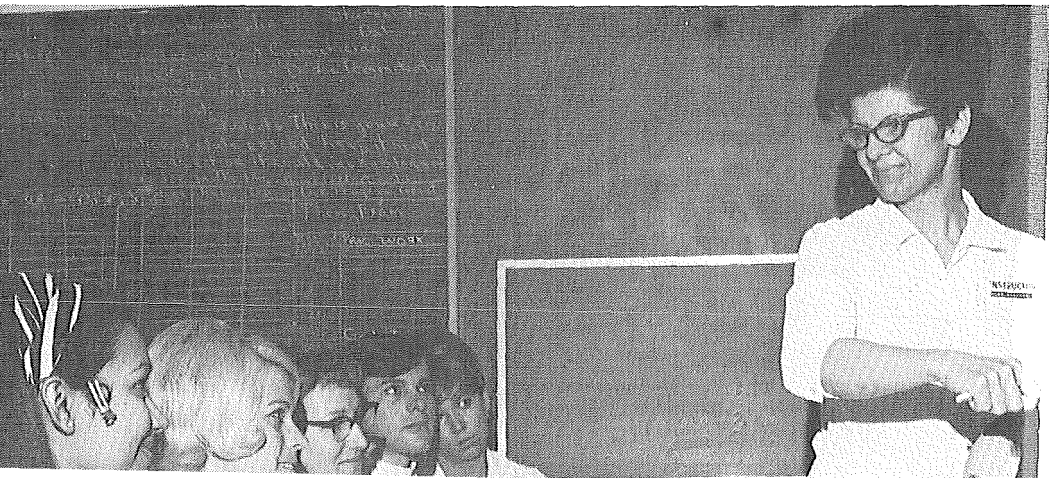
FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Business 71 - - - - -	3	Business 74 - - - - -	3
Business 72 - - - - -	3	Business 95 - - - - -	3
Business 92 - - - - -	3	Speech 51 - - - - -	3
Business 91a - - - - -	3	Art 20a - - - - -	2
English 51 - - - - -	3	Hygiene 1 - - - - -	2
Physical Education - - - - -	- ½	* Business 60 or 61 or an elective - - - - -	2
	15½	Physical Education	½
			15½

* An elective should be substituted if the student has had sufficient typewriting in high school.

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Business 75 - - - - -	3	Business 73 - - - - -	3
Business 80a - - - - -	4	Business 76 - - - - -	3
Business 96c - - - - -	3	Business 80b - - - - -	4
Business 98 - - - - -	3	Business 96b - - - - -	3
History 51 - - - - -	3	Political Science 51 - - - - -	3
Physical Education - - - - -	½	Physical Education - - - - -	- ½
	16½		- ½
			16½

Recommended electives: Business 111 (Introduction to Data Processing); Business 93 (Survey of Business Law); Business 94 (Insurance Principles); Business 97 (Personal Finance).



OFFICE MANAGEMENT

Suggested Program

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Business 92 - - - - -	3	Business 93 - - - - -	3
Business 80a - - - - -	4	Business 80b - - - - -	4
Business 59 - - - - -	2	Business 67 - - - - -	1
Business 91a - - - - -	3	Business 76 - - - - -	3
English 51 - - - - -	3	Speech 51 - - - - -	3
Physical Education - - - - -	- ½	Hygiene 1 - - - - -	2
	<u>15½</u>	Physical Education - - - - -	½
			<u>16½</u>

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Business 58a (or 58b) - - - - -	3	Business 91b - - - - -	3
Business 96c - - - - -	3	Business 111 - - - - -	3
Business 98 - - - - -	3	Business 96b - - - - -	3
Business 94 - - - - -	3	Business 68a - - - - -	2
History 51 - - - - -	3	Political Science 51 - - - - -	3
Physical Education - - - - -	- ½	Physical Education - - - - -	½
	<u>15½</u>		<u>14½</u>

Note: Business 60a-b is required if the student has not already had typewriting.

Recommended electives: Business 22 (Business Mathematics); Business 61 (Advanced Typewriting); Business 62 (Expert Typewriting); Business 70 (Salesmanship); Business 90 (Business Statistics); Business 97 (Personal Finance).



REAL ESTATE

Suggested Program

FIRST YEAR

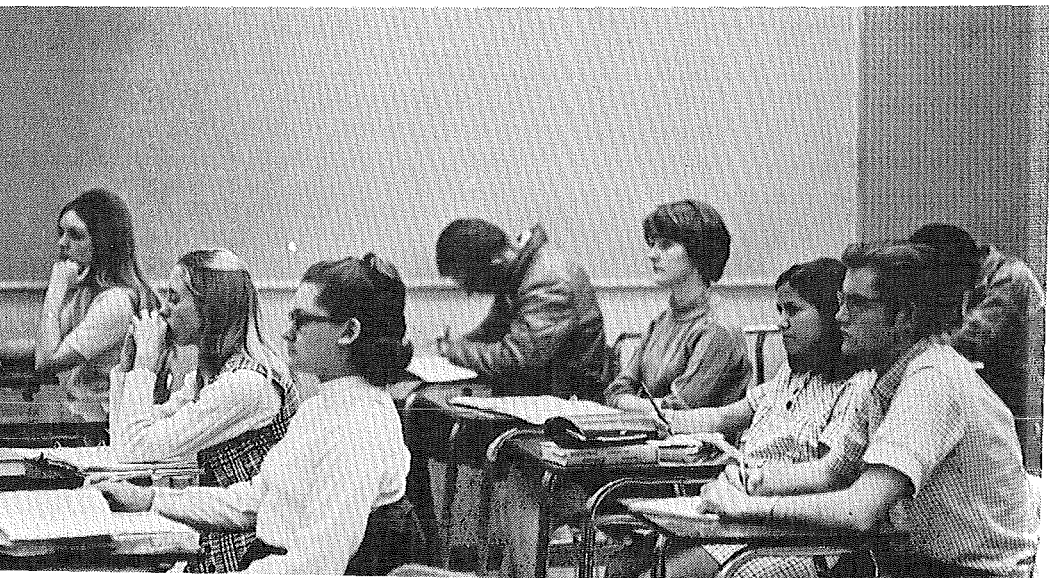
FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Business 40a - - - - -	3	*Business 40b - - - - -	3
Business 92 - - - - -	3	Business 22 - - - - -	2
Business 80a - - - - -	4	Business 80b - - - - -	4
English 51 - - - - -	3	Business 59 - - - - -	2
Business 71 - - - - -	3	Speech 51 - - - - -	3
Physical Education - - - - -	½	Hygiene 1 - - - - -	2
	16½	Physical Education - - - - -	½
			16½

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
*Business 41 - - - - -	3	*Business 43 - - - - -	3
*Business 42 - - - - -	3	*Business 45a - - - - -	3
Business 96c - - - - -	3	Business 91b - - - - -	3
Business 98 - - - - -	3	Business 96b - - - - -	3
History 51 - - - - -	3	Political Science 51 - - - - -	3
Physical Education - - - - -	½	Physical Education - - - - -	½
	15½		15½

*To be completed in the Evening College.

Suggested Electives: Business 93 (Survey of Business Law) or Business 18 (Business Law); Business 94 (Insurance); Business 75a (Advertising)



SECRETARIAL

Suggested Program

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Business 50a, 51a, or 52a - - -	5-4	Business 50b, 52a, 52b - - -	5-4
Business 60a, 61 or 53a - - -	2	Business 60b, 62, 53a, 53b - - -	2
Business 92 - - - - -	3	Business 59 - - - - -	2
Business 96a - - - - -	3	Business 96b - - - - -	3
Business 68a - - - - -	2	* Business 87 - - - - -	2
Business 58c - - - - -	1	Hygiene 1 - - - - -	2
Physical Education - - - - -	<u>½</u>	Physical Education - - - - -	<u>½</u>
	16½		16½

*An elective should be substituted if the student has had high-school book-keeping (or accounting).

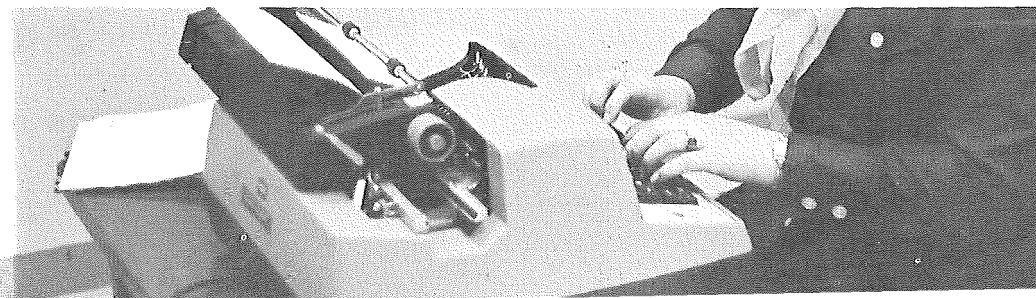
SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Business 52a - - - - -	4	Business 52b - - - - -	4
Business 53a - - - - -	2	Business 53b - - - - -	2
Business 96c - - - - -	3	Speech 51 - - - - -	3
** Business 58a (or 58b) - - -	3	Business 58b or Business 91b -	3
Business 67 - - - - -	1	Political Science 51 - - - - -	3
History 51 - - - - -	3	Physical Education - - - - -	<u>½</u>
Physical Education - - - - -	<u>½</u>		15½
	16½		

**The student who has completed one year of office practice in high-school should register for Business 58b.

If the advanced shorthand and transcription requirements are fulfilled during the first year, the student should choose from among the following recommended electives:

Business 69 (Machine Transcription); Business 93 (Survey of Business Law); Business 97 (Personal Finance); Business 98 (Human Relations in Business); Business 13 (Business Consumer Problems); Business 91a (Small Business Management); Business 111 (Introduction to Data Processing).



COSMETOLOGY

College of the Sequoias has contracted with two Visalia beauty colleges for the provision of cosmetology instruction to registered COS men and women students. Students who successfully complete 1600 hours of training are qualified to take the State Board of Cosmetology examination to become licensed cosmetologists. The 1600 hours may be completed in either three semesters or a combination of two semesters and a twelve-week summer session. Students may enter the cosmetology program either at the beginning of the summer session or at the beginning of a regular semester.

Applicants for the cosmetology program must make arrangements through the Student Personnel Center for an interview with the training director of one of the participating beauty colleges. The deadline for submission of applications is August 21, 1970 for the fall semester, January 18, 1971 for the spring semester or June 1, 1971 for the summer session. COS students will be required to purchase their uniforms at a designated retail store and to wear a distinctive shoulder patch while in training.

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Cosmetology 50a - - - - -	14	Cosmetology 50b - - - - -	14
Business 91a - - - - -	3	Business 88 - - - - -	3
Physical Education - - - - -	½	Physical Education - - - - -	½
	17½		17½

SUMMER SESSION (12 WEEKS)

Cosmetology 50 12 units

CERTIFICATE OF ACHIEVEMENT IN COSMETOLOGY

A Certificate of Achievement in Cosmetology will be granted to students who satisfy the following requirements:

1. Completion of Cosmetology 50abc with grades of C or better
2. Completion of the 1600 hours of instruction specified by the California State Board of Cosmetology.

ASSOCIATE IN ARTS DEGREE IN COSMETOLOGY

The Associate in Arts degree in Cosmetology will be granted to students who complete a total of 60 semester units which include the following:

History 51	3 units
Political Science 51	3 units
English or Speech	2 units
Hygiene 1	2 units
Physical Education	½ unit

Recommended electives: Business 70, Business 93, and Business 98.

DENTISTRY

University of California Medical Center, San Francisco

The School of Dentistry offers a program leading to the degree of Doctor of Dental Surgery, based upon three years of college pre-dental work.

A School of Dentistry has been organized also at the University of California at Los Angeles.

Suggested Program

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
English 1a or Speech 1a- - - -	3	English 1b or Speech 1b - - - -	3
Chemistry 1a - - - - - - -	5	Chemistry 1b - - - - - - -	5
Zoology 1 - - - - - - -	5	Botany 1 - - - - - - -	5
History 11 or 12 - - - - - -	3	Political Science - - - - - -	3
Physical Education - - - - -	<u>½</u>	Physical Education - - - - -	<u>½</u>
	16½		16½

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Chemistry 8 - - - - - - -	3	Chemistry 5- - - - - - -	3
Chemistry 9 - - - - - - -	3	Physics 2b - - - - - - -	4
Physics 2a - - - - - - -	4	Psychology 33- - - - - - -	3
Psychology 1a - - - - - - -	3	Elective - - - - - - -	2-3
Elective - - - - - - -	2-3	Hygiene 1 - - - - - - -	2
Physical Education - - - - -	<u>½</u>	Physical Education - - - - -	<u>½</u>
	15½-16½		14½-15½



University of Southern California

The College of Letters, Arts, and Sciences offers a program leading to the degree of Bachelor of Science with a major in Dentistry based upon three years of pre-dental work (96), and requirements in the first two years of the D.D.S. curriculum. The third year (32 units) of the pre-dental program must be completed at USC.

Suggested Program

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Chemistry 1a - - - - -	5	Chemistry 1b - - - - -	5
English 1a - - - - -	<u>3</u>	English 1b - - - - -	3
Foreign Language* - - - - -	4	Foreign Language* - - - - -	4
Zoology 1 - - - - -	5	Botany 1 - - - - -	5
Physical Education - - - - -	- ½	Physical Education - - - - -	½
	<u>17½</u>		<u>17½</u>

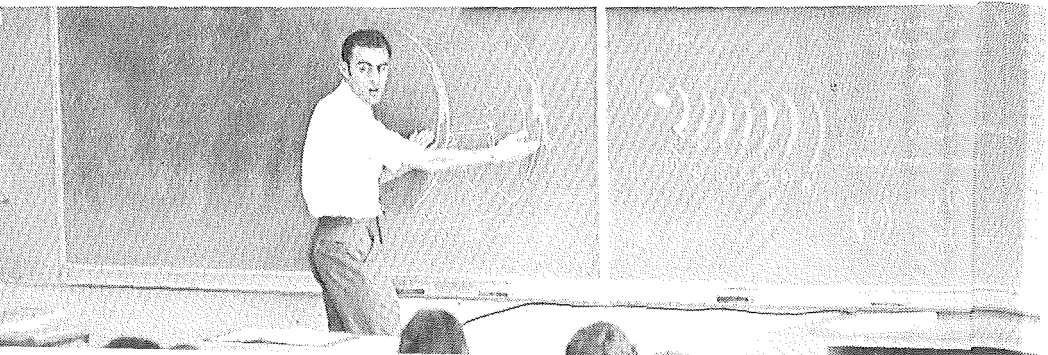
SECOND YEAR

FIRST SEMESTER	UNITS	SECOND YEAR	UNITS
Chemistry 8- - - - -	3	Chemistry 9 - - - - -	3
Physics 2a - - - - -	4	Physics 2b - - - - -	4
Foreign Language* - - - - -	4	Psychology 1a - - - - -	3
History 4a - - - - -	3	History 4b - - - - -	3
English 5 - - - - -	3	English 6 - - - - -	3
Physical Education - - - - -	- ½	Physical Education - - - - -	½
	<u>17½</u>		<u>16½</u>

*High school language may be continued.

The above program includes the minimum requirements in English and science for students who plan to apply for admission to the D.D.S. program upon the completion of two years (60 units) of college credit.

For other courses which may be taken on the lower division, see requirements in the College of Letters, Arts, and Sciences.



EDUCATION

The State of California requires a credential of the proper type for teaching in the public schools. Preparation now requires five years of college training. Each candidate must have a major and a minor in an academic field (education is no longer a major) and complete certain general courses. There are presently only six credentials, two of which concern you on the junior college level.

1. Standard Teaching Credential with Specialization in Elementary Education:
 - a. Four years of college with a baccalaureate degree.
 - b. An additional fifth year of post-graduate education.
 - c. A single-subject major (24 units) or an interdepartmental major (24 units) in a subject normally taught in the public schools. No minor is required with an academic subject; however, one or two majors, academic or non-academic, may be required for non-academic majors. Check what you are allowed to teach with your major and minor.
 - d. Courses in five of the six general education areas:
 1. Humanities—including one year of English—and competency in composition.
 2. Social Science.
 3. Natural Science (both biological and physical.)
 4. Mathematics (required for credential; Math. 40)
 5. Fine Arts
 6. Foreign Language.

2. Standard Teaching Credential with Specialization in Secondary Teaching:
 - a. Four years of college with a baccalaureate degree.
 - b. An additional fifth year of post-graduate education.
 - c. A single-subject major (24 units) or an interdepartmental major (24 units) in a subject normally taught in the public schools. One or two majors are required, dependent upon your choice of major and its status as academic or non-academic. Check to see whether your choice of major and minor(s) is considered academic or is taught in the secondary schools. You may teach only in your major or minor fields.
 - d. Courses in four of the six general education areas:
 1. Humanities—including one year of English and competency in composition.
 2. Social Sciences.
 3. Natural Sciences.
 4. Mathematics.
 5. Fine Arts.
 6. Foreign Language—Two college years of study.

Students should follow the general-education requirements and the courses for the major from the four-year school to which they wish to transfer.

ENGINEERING

Recommended Transfer Program

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Engineering 5A - - - - -	4	Engineering 5B - - - - -	4
Physics 5A - - - - -	3	Physics 5B - - - - -	3
Mathematics 5A - - - - -	4	Mathematics 5B - - - - -	4
Hygiene 1 - - - - -	2	Chemistry 1A - - - - -	5
Mathematics 15 - - - - -	3	Physical Education - - - - -	$\frac{1}{2}$
Physical Education - - -	$\frac{1}{2}$		
	<u>16½</u>		<u>16½</u>

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Engineering 5C - - - - -	4	Engineering 5D - - - - -	4
Physics 5C - - - - -	3	Physics 5D - - - - -	3
Mathematics 5C - - - - -	4	Mathematics 5D - - - - -	4
History 11 or 12 - - - - -	3	Political Science 5 - - - - -	3
Chemistry 8 - - - - -	3	English 1A - - - - -	3
Physical Education - - - - -	$\frac{1}{2}$	Physical Education - - - - -	$\frac{1}{2}$
	<u>17½</u>		<u>17½</u>

College of the Sequoias offers a two-year pre-engineering course that will enable the student to earn the Associate in Arts degree.

Widely diversified avenues of professional engineering education are available in the junior colleges, private colleges, state colleges, and the University of California. The junior colleges offer two years of engineering education to prepare students for transfer at the junior-year level to the colleges and universities offering bachelor's and post-graduate degrees. The required subject material in the first two years is similar; however, differences do exist among the senior institutions. Before planning a study list, the junior-college student should consult with his counselor and study the catalog of the senior institution to which he expects to transfer.



ENGINEERING-TECHNICAL

ENGINEERING TECHNICIAN

This engineering program is designed to train men and women for a career in engineering with engineering computation, surveying and engineering drawing.

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND YEAR	UNITS
Mathematics 53/54/30 - - - -	3	Mathematics 54/30/31 - - - -	-3/4
Engineering 22 - - - - -	3	Engineering 24 - - - - -	3
Chemistry 53 - - - - -	3	Mathematics 20 - - - - -	2
English 51 - - - - -	3	English/Speech - - - - -	3
Architecture 6a - - - - -	2	Architecture 31 - - - - -	2
Architecture 40 - - - - -	1	Political Science 51 - - - - -	3
Physical Education - - - - -	½	Physical Education - - - - -	½
Hygiene 1 - - - - -	<u>2</u>		<u>16½/17½</u>
	17½		

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Mathematics 30/31/16a - - -	-3/4	Mathematics 31/16a*/16b*/ -	-3/4
Engineering 23; - - - - -	3	History 51 - - - - -	3
Engineering 1a - - - - -	3	Engineering 1b - - - - -	3
Physics 2a - - - - -	4	Physics 2b - - - - -	4
Architecture 6b - - - - -	2	Architecture 6c - - - - -	2
Industrial Arts 40a - - - - -	3	Physical Education - - - - -	½
Physical Education - - - - -	<u>½</u>		<u>15½/16½</u>
	18½ 19½		

*Must complete mathematics sequence through Mathematics 16a; Mathematics 16b is not required.



DRAFTING

This curriculum is designed to train men and women for a career in either architectural drawing or engineering drawing at the completion of this program. Minimum units: engineering, 6; architectural, 11; to a maximum of 20 units.

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Architecture 2a - - - - -	3	Engineering 24 - - - - -	3
Architecture 6a - - - - -	2	Hygiene 1 - - - - -	2
Mathematics 53 - - - - -	3	Mathematics 54 - - - - -	3
English 51 - - - - -	3	Mathematics 19 and 20 - - - - -	2
Architecture 40 - - - - -	1	Architecture 31 - - - - -	2
Art 6a - - - - -	2	Art 6b - - - - -	2
Engineering 22 - - - - -	3	History 51 - - - - -	3
Physical Education - - - - -	<u>½</u>	Physical Education - - - - -	<u>½</u>
	17½		17½

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Industrial Arts 40a - - - - -	3	Architecture 2b* - - - - -	3
Architecture 32 - - - - -	2	Elective - - - - -	3
Engineering 23 - - - - -	3	Industrial Arts 40b - - - - -	3
Speech 51 - - - - -	3	Chemistry 53 - - - - -	3
Political Science 51 - - - - -	3	Engineering 1a - - - - -	3
Architecture 1a* - - - - -	2	Architecture 1b* - - - - -	2
Physical Education - - - - -	<u>½</u>	Physical Education - - - - -	<u>½</u>
	16½		17½

*Not required.



HOME ECONOMICS

The courses in the home economics department of the College of the Sequoias have been planned both to satisfy professional and vocational objectives and to contribute to the general education of students.

Studies indicate that there will continue to be a shortage of qualified professional home economists in the foreseeable future. Job opportunities are varied and well-paid.

College of the Sequoias courses can lead to a Bachelor of Arts degree and secondary-teaching credential at a state college. The curriculum also provides courses for those planning to transfer to a university which offers the Bachelor of Science degree.

Professional and commercial career opportunities in addition to teaching include home advisor (adult or 4-H), dietetics, institutional management, home economics journalism, experimental foods, household equipment demonstration and testing, consumer education, public relations (foods, utility, pattern companies, etc.), interior decoration, nursery-school supervision, social service, public health, radio and television.

For the terminal student desiring to major in home economics to broaden her general education, the department offers courses which enrich personal and family life through the development of basic concepts and skills. It is recommended that these students consult with the Business Division for elective areas in which they might acquire skills in supplementing the family income in time of need.

Transfer students who are not home economics majors are encouraged to take home economics classes for personal enrichment.

Transfer to University of California, at Davis: General Home Economics

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Chemistry 1a - - - - -	5	Physiology 1a, 1c - - - - -	5
Home Economics 12a - - -	3	Psychology 1a - - - - -	3
English 1a - - - - -	3	English 1b - - - - -	3
Home Economics 15 - - - -	2	History 11 or 12 - - - - -	3
Home Economics 24 - - - -	2	Art 6a - - - - -	2
Physical Education - - - - -	½	Physical Education - - - - -	½
	15½		16½

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Economics 1a - - - - -	3	Economics 1b - - - - -	3
Chemistry 8 - - - - -	3	Bacteriology 1 - - - - -	5
Sociology 1a - - - - -	3	Political Science 5 - - - - -	3
Hygiene 1 - - - - -	2	Home Economics 26 - - - - -	2
English 5 or Philosophy 6a - - - - -	3	Home Economics 10b - - - - -	3
Home Economics 10a - - -	3		16½
Physical Education - - - - -	½		
	17½		

TRANSFER PROGRAM—STATE COLLEGES

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
English 1a - - - - -	3	English 1b - - - - -	3
Home Economics 15- - - - -	2	Home Economics 10b - - - - -	3
Home Economics 24- - - - -	2	Chemistry 2b - - - - -	3*
Chemistry 2a - - - - -	3*	Physical Education - - - - -	½
Physical Education - - - - -	½	History 11 or 12 - - - - -	3
Art 6a - - - - -	2	Psychology 1a - - - - -	<u>3</u>
Home Economics 10a - - - - -	<u>3</u>		15½
	15½		

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Home Economics 12a - - - - -	3	Home Economics 12b - - - - -	3
Home Economics 16- - - - -	3	Home Economics 22- - - - -	3
Home Economics 39- - - - -	3	Nutrition 8 - - - - -	3
Political Science 5 - - - - -	3	Physical Education - - - - -	½
Speech 1a - - - - -	3	Home Economics 26 - - - - -	2
Physical Education - - - - -	½	Home Economics 13 - - - - -	3
Hygiene - - - - -	<u>2</u>	Home Economics 38- - - - -	<u>3</u>
	17½		17½

TERMINAL PROGRAM

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND YEAR	UNITS
English - - - - -	3	English - - - - -	3
Home Economics 24- - - - -	3	Home Economics 51b - - - - -	2
Home Economics 50a - - - - -	2	Political Science 51 - - - - -	3
Home Economics 51a - - - - -	2	Home Economics 26- - - - -	2
Physical Education - - - - -	½	Psychology 51 - - - - -	3
Electives- - - - -	3	Physical Education - - - - -	½
Home Economics 15 - - - - -	<u>2</u>	Home Economics 38 - - - - -	<u>3</u>
	15½		16½

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Home Economics 16- - - - -	3	Speech 1a - - - - -	3
Home Economics 39 or 38 - - - - -	3	Home Economics 22- - - - -	3
Hygiene - - - - -	2	History 51 - - - - -	3
Art 19 - - - - -	2	Home Economics 13 - - - - -	3
Business 97- - - - -	3	Nutrition 8 - - - - -	3
Elective - - - - -	3	Physical Education - - - - -	<u>½</u>
Physical Education - - - - -	½		15½
	16½		

(Recommended as elective: Bio 1b or Chem. 53)

*Cal Poly—Chem 1a-b

INDUSTRIAL EDUCATION

INDUSTRIAL ARTS

Suggested Program for the Credential in Industrial Arts

The student interested in a career in teaching industrial arts may complete his lower division requirements at the College of the Sequoias and transfer as a junior at the end of two years. The sample program shown parallels the lower division at Fresno State College and is acceptable for majors in this area. The student should carefully check the lower division requirements of other colleges to which he plans to transfer for minor variations.

FIRST YEAR

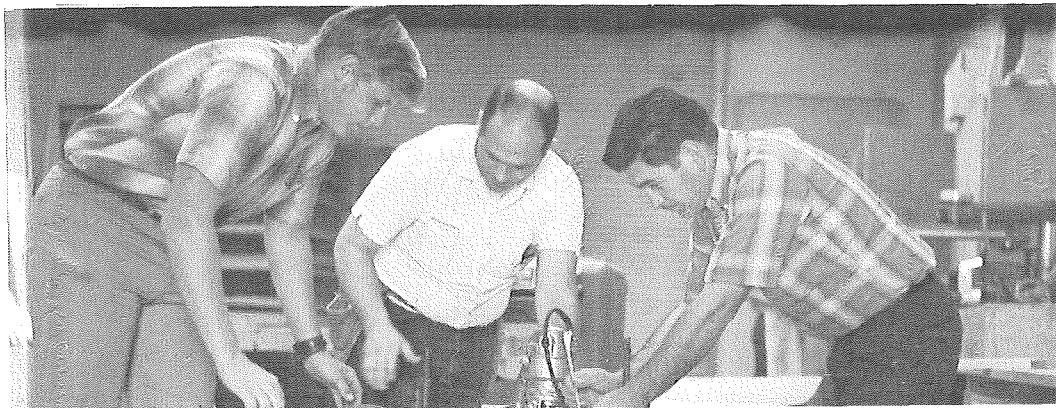
FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Industrial Arts I - - - - -	3	Engineering 22- - - - -	3
Industrial Arts II - - - - -	3	Industrial Arts 12- - - - -	3
English 1a - - - - -	3	English 1b - - - - -	3
History 11 or 12 - - - - -	3	Political Science 5 - - - - -	3
Physical Science 10 - - - - -	3	Physical Science 12 - - - - -	3
Physical Education - - - - -	$\frac{1}{2}$	Physical Education - - - - -	$\frac{1}{2}$
	<u>15½</u>		<u>15½</u>

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Gen Education Elective - - - - -	3	Hygiene I - - - - -	2
Industrial Arts 40a - - - - -	3	Art or Music elective - - - - -	2
Psychology 1a - - - - -	3	Speech 1a - - - - -	3
Biology 1a or 1b - - - - -	3	Electives - - - - -	10
Social Science elective - - - - -	3	Physical Education - - - - -	$\frac{1}{2}$
Physical Education - - - - -	$\frac{1}{2}$		<u>17½</u>
	<u>15½</u>		

Suggested Electives: Art 6a; Art 7a; Economics 1a; Sociology 1a; Mathematics 54; Mathematics 53; Industrial Arts 6b; Industrial Arts 10a; Industrial Arts 10b.

Note: If Mathematics 51 (Algebra) and Mathematics 52 (Geometry) were not completed in high school, they will be required of all Fresno State transfers.



**Suggested Program for the Bachelor of Science degree in
Industrial Technology—Construction Option**

The student interested in a professional technical management position in the construction industry may complete his lower division requirements at the College of the Sequoias and transfer as a junior at the end of two years. The sample program shown parallels the lower division at Fresno State College and is acceptable for majors in this area

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
English 1a	3	English 1b	3
Economics 1a - - - - -	3	Economics 1b - - - - -	3
History 11 or 12	3	Speech 1a	3
Engineering 22.	3	Architecture 1a	3
GE Elective	3	GE Elective	3
Physical Education	½	Physical Education	½
	15½		15½

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Physics 2a	4	Physics 2b	4
Mathematics 16a	3	Mathematics 16b	4
Industrial Arts 11	3	GE Elective	3
Political Science 5	3	Elective in Emphasis	3
Elective in Option	3	Elective in Option	3
Physical Education	½	Physical Education	½
	16½		17½

General Education electives should be chosen to meet the requirements for certification established by COS for transfer to a bachelor's degree program.

Electives for Emphasis

- Heavy construction: Engineering 23
- Architectural Drafting: Engineering 23
- Light Building Construction: Business 18
- Real Estate: Business 18
- Building Materials: Math 15

Electives for Option:

- Chemistry 2a, 2b; Architecture 6a, 6c, 6b, 31, 32, 33; Engineering 1a, 1b, 8;
- Carpentry and Mill Cabinet 49a, 49b, 49c, 49d; Building Trades 51a, 51b, 55a, 55b, 56a, 56b, 60, 62, 63, 64, 65a, 65b, 66a, 66b; Business 40a, 70.

An additional 6 units of credit may be taken in summer session or as an overload to accelerate a student's program and maximize transfer credit toward the BS degree (70 units). Courses may be chosen from the Electives for the major (above).

**Suggested Program for the Bachelor of Science Degree in
Industrial Technology Manufacturing Option**

The student interested in a professional technical management position in industry may complete his lower division requirements at the College of the Sequoias and transfer as a junior at the end of two years. The sample program shown parallels the lower division at Fresno State College and is acceptable for majors in this area:

FIRST YEAR			
FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
English 1a - - - - -	3	English 1b - - - - -	3
Economics 1a - - - - -	3	Economics 1b - - - - -	3
History 11/12 - - - - -	3	Political Science 5 - - - - -	3
Engineering 22 - - - - -	3	IA 10A - - - - -	3
GE Elective - - - - -	3	GE Elective - - - - -	3
Physical Education - - - - -	½	Physical Education - - - - -	½
	15½		15½

SECOND YEAR			
THIRD SEMESTER	UNITS	FOURTH SEMESTER	UNITS
Physics 2a - - - - -	4	Physics 2b - - - - -	4
Mathematics 16a - - - - -	3	Mathematics 16b - - - - -	3
IA 11 - - - - -	3	Business 90 - - - - -	3
Speech 1a - - - - -	3	Mathematics 15 - - - - -	3
GE Elective - - - - -	3	GE Elective - - - - -	3
Physical Education - - - - -	½	Physical Education - - - - -	½
	16½		16½

General Education electives should be chosen to meet the requirements for certification established by COS for transfer to a bachelor's degree program.

An additional 6 units of credit may be taken in summer session or as an overload to accelerate a student's program and maximize transfer credit toward the BS degree (70 units). Courses should be chosen from the list of approved technical electives below toward the emphasis of the students choice:

Drafting/Design Emphasis	Chem 2a, 2b, Engineering 23, 1a 6a
Electricity/Electronics Emphasis	Chem 2a, 2b
Graphis Communications Emphasis	Chem 2a, 2b
Metals Emphasis	Chem 2a, 2b, 1a, 40a, 6a
Transportation Emphasis	Chem. 2a, 2b, 1a, 12, 40a, 6a
Wood Products Emphasis	Chem 2a, 2b, 8, 1a 1, 2

TRADES, INDUSTRIES, AND TECHNOLOGY

Automotive Technology

This program offers pre-employment vocational training for the student desiring full-time work in automotive service and repair. The two-year course of study includes lecture, demonstration, and laboratory instruction, all emphasizing fundamental mechanical principles. Instructors fully qualified both by shop experience as master mechanics and by training as teachers conduct all technical classes in both lecture-demonstration and laboratory sections. An advisory committee composed of employers and working mechanics assist the college in maintaining a program geared to current needs of the trade.

The student will learn modern shop practices and techniques, working on current model units and assemblies supplied by local repair shops. His program is so scheduled that he may complete general education elective and required courses to qualify for the Associate in Arts Degree.

Suggested Two-Year Program for Vocational Automotive Technology

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Automotive Mechanics 70 - - -	1	Automotive Mechanics 74 - - -	3
Automotive Mechanics 71 - - -	4	Industry & Technology 61 - - -	2
Automotive Mechanics 72 - - -	3	Automotive Mechanics 75 - - -	3
Automotive Mechanics 73 - - -	3	History 51/11 or 12 - - - - -	3
*Mathematics 50 - - - - -	2	Business 70 - - - - -	3
Hygiene 1 - - - - -	2	Physical Education - - - - -	1/2
Physical Education - - - - -	1/2		14 1/2
	<u>15 1/2</u>		

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Automotive Mechanics 76 - - -	4	Automotive Mechanics 77 - - -	3
Automotive Mechanics 79	3	Automotive Mechanics 78	4
Business 88 - - - - -	3	Political Science 51/5 - - - - -	3
**English - - - - -	6	Electives - - - - -	5
Physical Education	1/2	Physical Education	1/2
	<u>16 1/2</u>		15 1/2

*Mathematics 50 is required if tests indicate student needs additional training.

** If student qualifies for English 51 or English 1a, 3 units will meet the requirements for English for an Automotive Technology major.

Suggested Electives: I & T 40a-b, I & T 10a-b, Drafting, Physical Science.



Suggested Two-Year Building Materials-Merchandising Program

This program is intended to prepare a student to enter employment in the retail building materials business. It is designed to allow a student of any level of academic achievement who is interested in this kind of employment to train for a job. The courses listed offer training in a wide variety of subject areas because of the diversity of the task which make a day's work in this particular industry. All students pursuing this major take certain courses closely related to building. A large part of the individual's program will be of his own choosing within limits of his previous training and abilities as indicated by his test scores. It is not anticipated that a high degree of proficiency will be developed while in school by this program. It is expected to prepare a good student to become an asset to his employer in a shorter time once he goes to work.

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Bldg. Tr. 55a - - - - -	3	Bldg. Tr. 55b - - - - -	3
*Mathematics 50 - - - - -	2	Building Trades 52b - - - - -	3
*Business 95 - - - - -	3	Business 72 - - - - -	3
Building Trades 52a - - - - -	3	Ind. Arts 12 - - - - -	3
English - - - - -	3	Business 92 - - - - -	3
Business 71 - - - - -	3	Physical Education - - - - -	$\frac{1}{2}$
Hygiene 1 - - - - -	2		<u>15½</u>
Physical Education - - - - -	$\frac{1}{2}$		
	<u>15½/16½</u>		

*Determined by aptitude score.

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Bldg. Tr. 56a - - - - -	3	Bldg. Tr 56b - - - - -	3
Business 93 - - - - -	3	Political Science 51 - - - - -	3
History 51 - - - - -	3	Business 76 - - - - -	3
Business 88 - - - - -	3	English/Speech - - - - -	3
Elective - - - - -	3	Elective - - - - -	3
Physical Education - - - - -	$\frac{1}{2}$	Physical Education - - - - -	$\frac{1}{2}$
	<u>15½</u>		<u>15½</u>

Suggested Electives: Business 13, Business 18, Business 22, Business 91a-b, Business 98, Psychology 51, Architecture 1a-b, Architecture 2a, Architecture 31, Architecture 21, Art 6a-b, Art 31a-b.

Several workshops conducted by the Lumber Merchants Association each year will be an important addition to the training suggested above.

Building Trades

A training curriculum in the building trades, with carpentry as a basic course, has been set up as an integral unit of the regular two-year junior college program. Students in this program receive manipulative instruction in carpentry, painting, plumbing, dry wall construction, and cabinetmaking under the supervision of master craftsmen. Manipulative training is given each year on one major project, such as a residence.

Trade technical class instruction is given in fundamental and advanced construction procedures, in blueprint reading, in estimating and contracting procedure, and in structural stresses and strains including simple truss designs. Trade-related subjects, including drafting, mathematics, English, accounting, business law, job ethics, economics, history, political science, physical education, and hygiene are required as part of the training.

Upon leaving school or graduating, the student may ask the trade advisory committee of the California Division of Apprenticeship Standards to evaluate his training and experience toward the completion of an apprenticeship and the attainment of a journeyman's status in the carpentry trade.

A scholarship paying all student expenses is awarded each year by the Building Trades Alumni Association. Students may apply either directly through the Building Trades Alumni Association or through their high-school shop teachers.

Suggested Program

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND YEAR	UNITS
Building Trades 52a - - - - -	3	Building Trades 52b - - - - -	3
Building Trades 55a - - - - -	3	Building Trades 55b - - - - -	3
Building Trades 75a - - - - -	5	Building Trades 75b - - - - -	5
*English 60 - - - - -	6	Mathematics 50 - - - - -	2
Physical Education - - - - -	$\frac{1}{2}$	History 51 - - - - -	3
	<u>17½</u>	Physical Education - - - - -	$\frac{1}{2}$
			<u>16½</u>

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Building Trades 56a - - - - -	3	Building Trades 56b - - - - -	3
Building Trades 76a - - - - -	5	Building Trades 76b - - - - -	5
Building Trades 77a - - - - -	2	Building Trades 77b - - - - -	2
Political Science 51 - - - - -	3	Physical Education - - - - -	$\frac{1}{2}$
Business 88 - - - - -	3	Hygiene 1 - - - - -	2
Physical Education - - - - -	$\frac{1}{2}$		<u>12½</u>
	<u>16½</u>		

* If student qualifies for English 51 or English 1a, 3 units will meet the requirement for English for a Building Trades major.

** Mathematics 50 is required of students who need additional instruction in mathematics as determined by proper standardized tests.

Electronics Technology

This program offers pre-employment training for the student interested in any of the many phases of electronics technology. The two-year course of study, combining lecture and laboratory instruction by a master technician, includes theory and analysis of basic electronic and electronic circuits and testing equipment.

In accordance with his previous preparation, personal objectives, and ability, the student may prepare either for more advanced study or for immediate employment in communications or research development. His vocational class is so scheduled that he may complete additional general education electives and required courses to qualify for the Associate in Arts degree.

Upon completion of this program the student should be prepared to pass the examination required for a **RADIOTELEPHONE SECOND CLASS OPERATOR'S LICENSE** administered by the Federal Communications Commission.

Suggested Two-Year Program for Electronics Technology

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Electronics 57a - - - - -	7	Electronics 57b - - - - -	7
*English - - - - -	3	English - - - - -	3
Hygiene 1 - - - - -	2	Math 19-20 - - - - -	2
Elective - - - - -	3	Elective - - - - -	3
Physical Education	<u>½</u>	Physical Education	<u>½</u>
	15½		15½

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Electronics 58a - - - - -	7	Electronics 58b - - - - -	7
Physical Science 10 - - - - -	3	Physical Science 12 - - - - -	3
History 51/11 or 12 - - - - -	3	Political Science 51/5 - - - - -	3
Elective - - - - -	2	Elective - - - - -	2
Physical Education - - - - -	<u>½</u>	Physical Education - - - - -	<u>½</u>
	15½		15½

Suggested Electives: Math 54, Psychology 51, Speech 40-41, I & T 6a-6b, Business 70, Business 80a, Business 111, I & T 10a, Engineering 22.

*If student qualifies for English 51 or English 1a, 3 units will meet the requirements for English for an Electronics Technology major.

Students who have not had high-school algebra and geometry will not be permitted to enter the Vocational Electronics Program until they have made up the deficiency, completing Math. 51, 52 and 53.

METAL TECHNOLOGY

This curriculum comprises a series of shop, mathematics, and drawing courses which are intended to prepare a student for entry into a job in a machine shop or related mechanical trade. If the student decides to continue his schooling in a senior college, he may ask for an evaluation of his work toward a bachelor's degree.

Emphasis is on machine shop, welding, sheet metal, foundry, and shop drawing.

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND YEAR	UNITS
I & T. 51	3	I. & T. 40b	3
*Mathematics 50	2	I. & T. 6b	3
I. & T. 6a	3	I. & T. 10b	3
I. & T. 40a	3	Political Science 51	3
I. & T. 10a	3	Elective	3
Physical Education	<u>½</u>	Physical Education	<u>½</u>
	14½		15½

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
I. & T. 10c	3	I. & T. 10d	3
Ind. Arts 12	3	**English &/or Electives	12
Business 88	3	Physical Education	<u>½</u>
History 51	3		15½
Hygiene 1	2		
Physical Education	<u>½</u>		
	14½		

*Mathematics 50 is required of students who need additional instruction as determined by proper standardized tests.

** If student qualifies for English 51 or English 1a, 3 units will meet the requirements for English for a Metal Technology major.

Suggested Electives: additional English or Speech, Physical Science 10, Physical Science 11, Physical Science 12, Mathematics 51, Mathematics 52, Mathematics 53, Mathematics 54, Business 70, Business 71, Business 92, Psychology 51, Sociology 26.



WELDING TECHNOLOGY

This program offers pre-employment training for the student in preparation for entering the world of work as a welding specialist. Instruction is conducted by a master-welder who is a fully credentialed teacher and familiar with the latest equipment and techniques of the trade. In addition to learning skills and knowledges for entry into employment as a welder or another job related to the technology, the student is encouraged to complete other courses which will qualify him for an Associate in Arts degree with a major in Welding Technology.

Suggested Two Year Program for Vocational Welding Technology

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
I. & T. 6a	3	I. & T. 6b	3
I. & T. 51a	3	I. & T. 51b	3
I. & T. 10a	3	I. & T. 10b	3
*Mathematics 50	2	**English (and/or elect.)	6
History 51	3	Physical Education	½
Physical Education	½		
	<u>14½</u>		<u>15½</u>

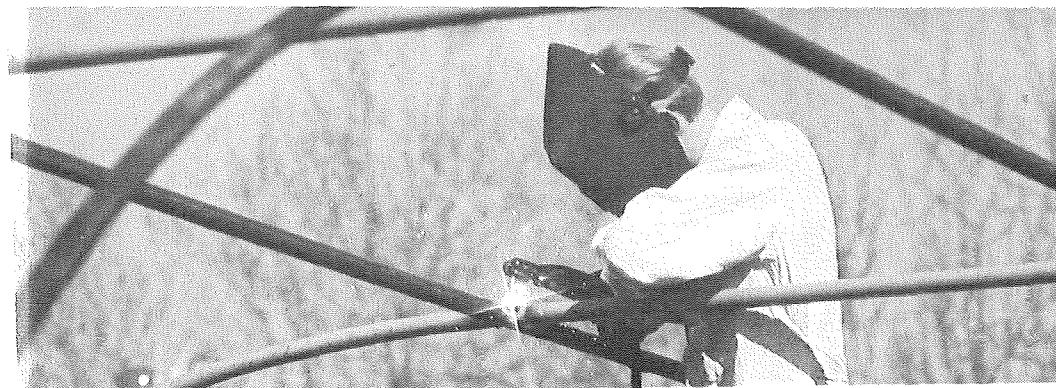
SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
I. & T. 7a	3	I. & T. 7b	3
Political Science 51	3	Mathematics 52	3
Business 88	3	Business 95	3
Hygiene 1	2	Electives	6
Mathematics 51	3	Physical Education	½
Physical Education	½		
	<u>14½</u>		

*Mathematics 50 is required of students who need additional instruction as determined by proper standardized tests.

**If student qualifies for English 51 or English 1a, 3 units will meet the requirements for English for a Welding Technology Major.

Suggested Electives: Speech, Physical Science, Slide Rule.



SUGGESTED MATHEMATICS PROGRAM: UNIVERSITY TRANSFER

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Mathematics 5a - - - - -	4	Mathematics 5b - - - - -	4
Mathematics 19 & 20 - - - - -	2	Mathematics 21 - - - - -	3
Physics 5a or 2a - - - - -	3-4	Physics 5b or 2b - - - - -	3-4
and or		and or	
German or French 1 - - - - -	4	German 2 or French 2 - - - - -	4
English 1a - - - - -	3	English 1b or Spanish 1a - - - - -	3
Physical Education - - - - -	$\frac{1}{2}$	Physical Education - - - - -	$\frac{1}{2}$
	<u>16½-17½</u>		<u>17½-18½</u>

SECOND YEAR

THIRD SEMESTER	UNITS	FOURTH SEMESTER	UNITS
Mathematics 5c - - - - -	4	Mathematics 5d - - - - -	4
Mathematics 11 - - - - -	3	Mathematics 15 - - - - -	3
Physics 5c or Chemistry 1a - - - - -	3-5	Physics 5d or Chemistry 1b - - - - -	3-5
German 3 or French 3 - - - - -	4	German 4 or French 4 - - - - -	4
History 11 or 12 - - - - -	3	Political Science 5 - - - - -	3
Physical Education - - - - -	$\frac{1}{2}$	Physical Education - - - - -	$\frac{1}{2}$
	<u>17½-19½</u>		<u>17½-19½</u>

SUGGESTED MATHEMATICS PROGRAM: STATE COLLEGE TRANSFER

FIRST YEAR

FIRST SEMESTER	UNITS	FIRST SEMESTER	UNITS
Mathematics 5a - - - - -	4	Mathematics 5b - - - - -	4
Mathematics 40 - - - - -	3	Mathematics 19 & 20 - - - - -	2
Physics 2a - - - - -	4	Physics 2b - - - - -	4
English 1a - - - - -	3	English 1b or Speech 1a - - - - -	3
Electives - - - - -	2	Electives - - - - -	3
Physical Education - - - - -	$\frac{1}{2}$	Physical Education - - - - -	$\frac{1}{2}$
	<u>16½</u>		<u>16½</u>

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Mathematics 5c - - - - -	4	Mathematics 21 - - - - -	3
Mathematics 11 - - - - -	3	Mathematics 15 - - - - -	3
Biology 1a or 1b - - - - -	3	Chemistry 1a - - - - -	5
History 11 or 12 - - - - -	3	Political Science 5 - - - - -	3
Electives - - - - -	3	Hygiene 1 - - - - -	2
Physical Education - - - - -	$\frac{1}{2}$	Physical Education - - - - -	$\frac{1}{2}$
	<u>16½</u>		<u>16½</u>

MEDICINE

University of California Medical Center, San Francisco

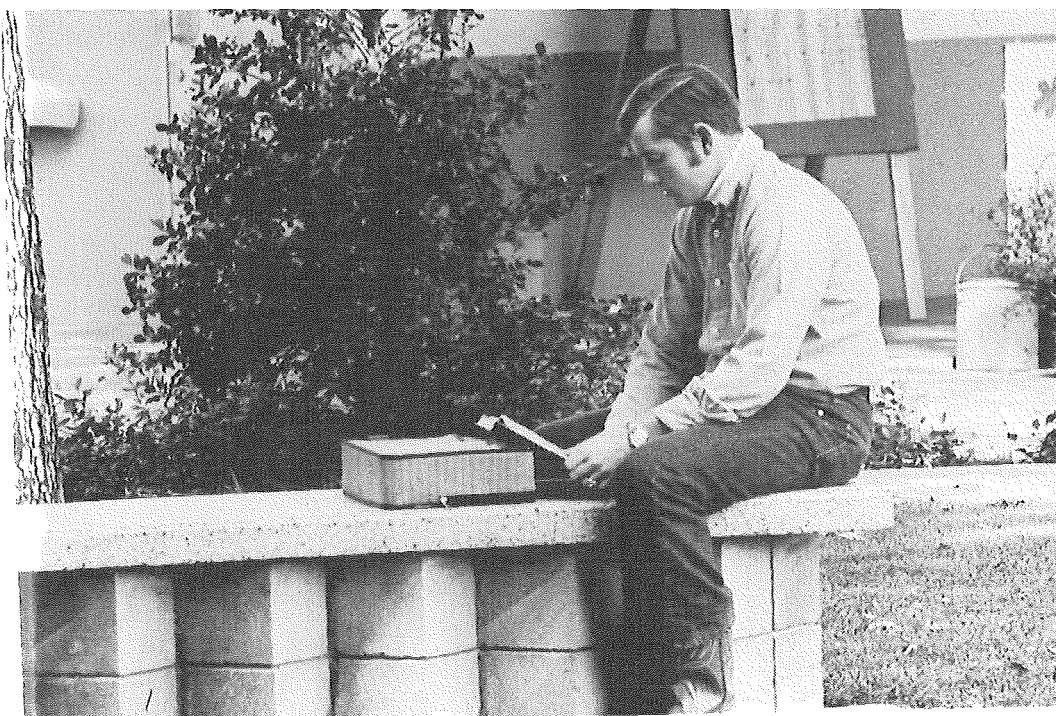
Suggested Program

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Chemistry 1a - - - - -	5	Chemistry 1b - - - - -	5
English 1a or Speech 1a- - - - -	3	English 1b or Speech 1b - - - - -	3
Foreign Language- - - - -	4	Foreign Language - - - - -	4
History 11 or 12 - - - - -	3	Political Science 5 - - - - -	3
Physical Education - - - - -	$\frac{1}{2}$	Physical Education - - - - -	$\frac{1}{2}$
	<u>15½</u>		<u>15½</u>

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Zoology 1 - - - - -	5	Botany 1 - - - - -	5
Chemistry 8 - - - - -	3	Chemistry 5 - - - - -	3
Chemistry 9 - - - - -	3	Hygiene 5 - - - - -	2
Philosophy 6a - - - - -	3	Philosophy 6b - - - - -	3
English 5 or History 4a - - - - -	3	English 6 or History 4b - - - - -	3
Physical Education - - - - -	$\frac{1}{2}$	Physical Education - - - - -	$\frac{1}{2}$
	<u>17½</u>		<u>16½</u>



University of Southern California
Suggested Program

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Chemistry 1a - - - - -	5	Chemistry 1b - - - - -	5
English 1a - - - - -	3	English 1b - - - - -	3
Foreign Language 2*	4	Foreign Language 3*	4
Zoology 1 - - - - -	5	Botany 1 - - - - -	5
Physical Education - - - - -	$\frac{1}{2}$	Physical Education - - - - -	$\frac{1}{2}$
	<u>17½</u>		<u>17½</u>

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Physics 2a - - - - -	4	Physics 2b - - - - -	4
History 4a - - - - -	3	History 4b - - - - -	3
Psychology 1a or		Chemistry 5 - - - - -	3
Philosophy 6a - - - - -	3	Drama 2 - - - - -	3
Art 19 or Music 10 - - - - -	2	English 6 - - - - -	3
English 5 - - - - -	3	Physical Education - - - - -	$\frac{1}{2}$
Physical Education	$\frac{1}{2}$		<u>16½</u>
	<u>15½</u>		

*Continuation of language begun in high school; French or German recommended.

The University offers organic chemistry in upper division but may accept Chemistry 8 and 9 toward premedical requirements. Consult your counselor.

For other courses which may be taken on the lower division, see requirements in the College of Letters, Arts, and Sciences.



MUSIC

The following courses are offered to the student majoring in music to enable him to obtain the Associate in Arts degree and complete a program that is comparable to the first two years of many other institutions. Besides the music courses listed below, the music major should carry 40 units of general education work in line with the graduation requirements established by the College of the Sequoias and the lower-division program of the institution to which he may wish to transfer.

Music Transfer to State Colleges

Suggested Program

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Music 4a - - - - -	1	Music 4b - - - - -	1
Music 12a - - - - -	3	Music 12b - - - - -	3
Music 7, 8, 18, 19* - - - - -	1	Music 7, 8, 18, 19* - - - - -	1
English 1a - - - - -	3	English 1b - - - - -	3
Science - - - - -	3	Political Science 5 - - - - -	3
History 11 or 12 - - - - -	3	Science - - - - -	3
Electives - - - - -	2	Physical Education - - - - -	½
Physical Education - - - - -	½		
	<u>16½</u>		<u>14½</u>

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Music 5a - - - - -	1	Music 5b - - - - -	1
Music 14a - - - - -	3	Music 14b - - - - -	3
Music 7, 8, 19 19* - - - - -	1	Music 7, 8, 18, 19* - - - - -	1
Speech 1a - - - - -	3	Psychology 1a - - - - -	3
Science - - - - -	3	Hygiene 1 - - - - -	2
Social Science Elective - - - - -	3	Elective - - - - -	3
Music 16a - - - - -	3	Music 16b - - - - -	3
Physical Education - - - - -	½	Physical Education - - - - -	½
	<u>17½</u>		<u>16½</u>

All music majors are required to participate in at least one music ensemble group per semester according to their individual interests. Choose from Music 7 abcd—Orchestra, Music 8 abcd—Choir Music 18ab—Marching Band and Music 19ab—Concert Band.

It is recommended that music majors choose electives from the following courses: Music 1a-b—Beginning Strings, class instruction; Music 3ab—Beginning Woodwinds, class instruction; Music 6ab—Beginning Brass and Percussion class instruction; Music 20—Opera Appreciation; Music 21—Beginning Piano, class instruction; Music 22a—Intermediate Piano, class instruction; and Music 30abcd, Elementary Voice, class instruction. Music majors should not take Music 10.

NURSING EDUCATION

Students may obtain nursing education in (a) hospitals operated by universities (University of California, University of California at Los Angeles, Stanford); (b) hospitals affiliated with state colleges; (c) hospital training schools; or (d) community college programs. For admission to a university program, the student must obtain regular junior standing in that university and must complete pre-nursing courses. Both the Bachelor of Science degree and the Registered Nurse certificate will be granted upon the completion of three years of university study after obtaining junior standing.

For admission to a state-college program, the student may complete the first year in the junior college, but should then transfer for completion of three additional years of training. The Bachelor of Science degree and the Registered Nurse certificate will be awarded upon completion of four years of study provided the last three years are completed in the state college.

Before admission to hospital training schools, the student is advised to complete at least thirty units of a college pre-nursing course with a "C" average.

A thirty-six months training program is required in most schools of nursing by the California Board of Nurse Examiners. An exception is made in some schools which allow nine months time credit for work completed in the junior college.

An applicant must be at least eighteen years of age, must be a high school graduate, and must have completed satisfactorily a course in general chemistry. Most schools of nursing are now requiring at least a year, and recommending two years of college work for entrance. This preparation should include science, psychology, and English.

Students are urged to visit schools of nursing in order to obtain details of hospital school requirements and to make their choice before enrolling in college courses. Many hospital schools have specific subject requirements which must be met.

Fresno State College Nursing Curriculum

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Chemistry 2a - - - - -	3	Chemistry 2b - - - - -	3
Anatomy 1 - - - - -	4	Physiology 1a, 1c - - - - -	4
History 4a - - - - -	3	Psychology 1a - - - - -	3
Sociology 1a - - - - -	3	Nutrition b - - - - -	3
English 1a - - - - -	3	History 11 or 12 - - - - -	3
Physical Education - - - - -	$\frac{1}{2}$	Physical Education - - - - -	$\frac{1}{2}$
	<hr style="width: 50%; margin: 0 auto;"/> 16½		<hr style="width: 50%; margin: 0 auto;"/> 16½

**University of California Medical Center
San Francisco
School of Nursing**

The School of Nursing offers a three-year course leading to a Bachelor of Science degree, and a certificate of nursing based upon two years of college pre-nursing work.

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND YEAR	UNITS
English 1a - - - - -	3	English 1b - - - - -	3
Foreign Language- - - - -	4	Foreign Language - - - - -	4
Anatomy 1 - - - - -	4	Chemistry 1a - - - - -	5
History 11 or 12 - - - - -	3	Nutrition 8 - - - - -	3
Sociology 1a - - - - -	3	Physical Education - - - - -	½
Physical Education - - - - -	½		
	<u>17½</u>		<u>15½</u>

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Chemistry 8, 9 - - - - -	6	Psychology 1a - - - - -	3
Hygiene 1 - - - - -	2	Physiology 1a and 1c - - - - -	5
English 5 or Philosophy 6a - - - - -	3	English 6 or Philosophy 6b - - - - -	3
History 4a - - - - -	3	History 4b - - - - -	3
Foreign Language - - - - -	4	Political Science 5 - - - - -	3
Physical Education - - - - -	½	Physical Education - - - - -	½
	<u>18½</u>		<u>17½</u>



Hospital Training Schools

Either of the following programs is acceptable foundation work for the training course in a hospital school of nursing. The two-year program is recommended.

Suggested Two-Year Program

FIRST YEAR

FIRST YEAR	UNITS	SECOND YEAR	UNITS
Anatomy 1- - - - -	4	Hygiene 1 - - - - -	2
History 51 - - - - -	3	Political Science 51 - - - - -	3
English - - - - -	3	English - - - - -	3
Psychology 51 or 1a - - - - -	3	Chemistry 53 - - - - -	3
Electives - - - - -	2	Electives- - - - -	3
Physical Education - - - - -	$\frac{1}{2}$	Physical Education - - - - -	$\frac{1}{2}$
	<u>15½</u>		<u>14½</u>

SECOND YEAR

SECOND SEMESTER	UNITS	SECOND SEMESTER	UNITS
Bacteriology 2- - - - -	4	Physiology 1a, 1c - - - - -	5
Psychology 1a or 33 - - - - -	3	Sociology 1b or	
Sociology 1a - - - - -	3	Psychology 39 - - - - -	3
Speech 51 - - - - -	3	Nutrition 8 - - - - -	3
Electives- - - - -	2	Electives- - - - -	4
Physical Education - - - - -	$\frac{1}{2}$	Physical Education - - - - -	$\frac{1}{2}$
	<u>15½</u>		<u>15½</u>

Suggested One-Year Program

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Zoology 1 or Biology 1b - - - - -	5-3	Nutrition 8- - - - -	3
Anatomy 1 - - - - -	4	Physiology 1a, 1c - - - - -	4
English - - - - -	3	Psychology 51 or 1a - - - - -	3
Hygiene 1 - - - - -	2	Home Economics 39 - - - - -	3
Physical Education - - - - -	$\frac{1}{2}$	Electives - - - - -	2
	<u>12½</u>	Physical Education - - - - -	$\frac{1}{2}$
			<u>15½</u>



ASSOCIATE DEGREE PROGRAM FOR REGISTERED NURSING

College of the Sequoias offers a two year program designed to prepare selected students to take the California Board of Nursing Education and Nurse Registration examination for licensure as registered nurses.

Students for this program are selected from applicants who graduated from high school with a 2.5 grade point average in a college preparation program, preferably including chemistry.

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER (FALL)	UNITS
Nursing 1 - - - - -	5	Nursing 2 - - - - -	9
Psychology 1a - - - - -	3	Bacteriology 2 - - - - -	4
Anatomy 1 - - - - -	4	Physiology 1a & 1c - - - - -	4
English 1a - - - - -	3	Physical Education - - - - -	½
Physical Education - - - - -	½		17½
	15½		

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER (FALL)	UNITS
Nursing 3 - - - - -	9	Nursing 4 - - - - -	10
Political Science 5 - - - - -	3	History 11 or 12 - - - - -	3
Sociology 1a - - - - -	3	Speech 1a - - - - -	3
Elective - - - - -	2	Physical Education - - - - -	½
Physical Education - - - - -	½		16½
	17½		

VOCATIONAL NURSING

To extend the nursing services needed in hospitals and homes, California has provided for the examining and licensing of trained vocational nurses. Following the completion of the College of the Sequoias full-time one and one-half year program, a graduate of this program is recommended by the college to be examined and licensed. Offered on the Exeter campus in association with local area hospitals, this program is also recognized by the college as the equivalent of 45 terminal units towards completion of the Associate in Arts degree.

This program is accredited yearly by the California Board of Vocational Nurse and Psychiatric Technician Examiners.

Persons interested in this program should contact the office of the division of industry and technology for information on schedules and qualification requirements of applicants.

Program

VN 50 First Semester – 17 units.

VN 51 Second Semester (prerequisite - VN 50) – 14 units.

VN 52 Third Semester (prerequisites - VN 50 and 51) – 14 units

TEACHER AIDE/ASSISTANT

FIRST YEAR

FIRST SEMESTER

Business 60a (Elementary Typing)	2
English (1a, 51, or 60)	3
Education 50a -Techniques of-	3
Educational Assisting (2 hours per week in class; 4 hours internship-time by arrangement.)	
Art 3	2
Business 67 (Duplication)	1
Business 68a (Office machines)	2
Electives	2
Physical Education	$\frac{1}{2}$
	<u>15½</u>

SECOND SEMESTER

Business 60b	2
Mathematics 50	2
Education 50b -Development of Instructional Materials (2 hours per week in class; 4 hours internship-time by arrangement.)	3
Business 59 (Records- Management)	2
Psychology 51 or 1a	3
Electives	3
Physical Education	$\frac{1}{2}$
	<u>15½</u>

SECOND YEAR

SEMESTER III

Education 30-Intro. to teaching	2
Education 51a (Teacher Assisting Internship)	2
Political Science (5 or 51)	3
Psychology 39	3
Hygiene 1	2
Electives	3
Physical Education	$\frac{1}{2}$
	<u>15½</u>

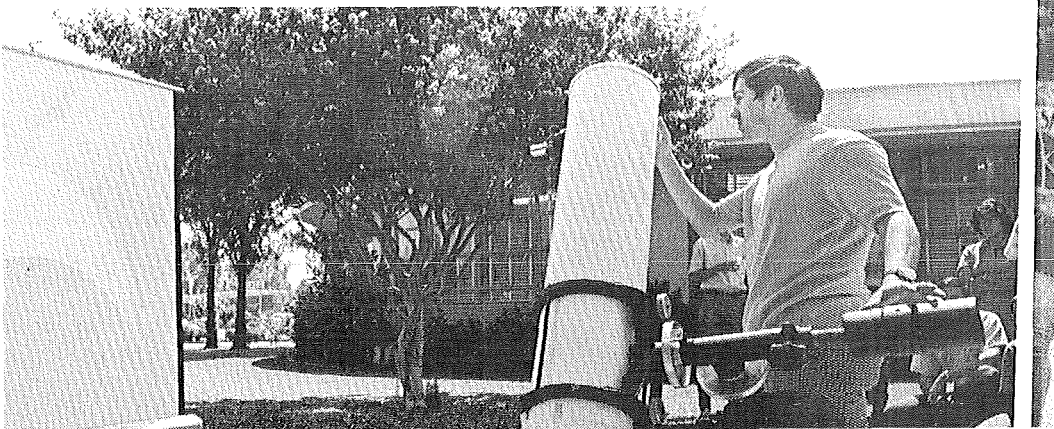
SEMESTER IV

U.S. History (11, 12, or 51)	3
Speech (1a or 51)	3
Education 51b (Teacher Assisting Internship)	2
Sociology 26	2
Electives	5
Physical Education	$\frac{1}{2}$
	<u>15½</u>

SUGGESTED ELECTIVES: Geography 2, Business 58c, Physical Science 10, Biology 1a, or 1b, Spanish 1 or 2, Math. 51, 52.

TEACHER AIDE: Semesters 1 and II

TEACHER ASSISTANT: Semesters I, II, III, and IV.



DESCRIPTION OF COURSES

I. DIVISION OF APPLIED ARTS AND SCIENCES

Agriculture
Home Economics

II. DIVISION OF BUSINESS

Pre-Business Administration
Real Estate
Secretarial and Clerical
Merchandising
Accounting
Business Background
Business Data Processing

III. DIVISION OF FINE ARTS

Art
Cinema Arts
Music
Speech Arts
Drama

IV. DIVISION OF INDUSTRY AND TECHNOLOGY

Industrial Arts
Automotive Technology
Building Trades
Cosmetology
Electronics Technology
Fire Technology
Metal and Welding Technology
Refrigeration
Registered Nursing
Vocational Nursing

V. DIVISION OF LANGUAGE ARTS AND COMMUNICATION

English
Foreign Languages
Journalism
Philosophy
Photography

VI. DIVISION OF PHYSICAL EDUCATION, HEALTH AND ATHLETICS

Physical Education
Inter-Collegiate Activities
Hygiene

VII. DIVISION OF SCIENCE, MATHEMATICS AND ENGINEERING

Architecture
Architectural Design
Engineering
Mathematics
Sciences

Biological Science
Physical Science

VIII. DIVISION OF SOCIAL SCIENCES

Anthropology
Economics
Education
Geography
History
Police Science
Political Science
Psychology
Sociology

EXPLANATION OF SYMBOLS

Example: "BUSINESS 60a—ELEMENTARY TYPING (2) I, II, E."

"60a" is the number of the course in Business.

"(2)" indicates the number of units of credit earned toward a degree in one semester of successful work in this course.

"I" indicates that this course is given in the first semester of the school year.

"II" after the course indicates that it is given in the second semester of the school year.

"Yr." after the course indicates that it is a year sequence course, the "a" part given during the first semester and the "b" part during the second semester;

"E" after the course indicates that the course may be given in the Evening College Program.

DIVISION OF APPLIED ARTS AND SCIENCES

AGRICULTURE

AGRICULTURE 50—BASIC FARM MECHANICS (2) I, II.

Mechanical skills in the field of agriculture. For students who have had at least two years of high-school agriculture mechanics. Selection, care and use of common farm tools.

AGRICULTURE 51—FARM MACHINERY (3) II.

A course in the operation, care and repair of farm machinery with demonstrations and laboratory work on tillage, planting, and harvesting machinery.

AGRICULTURE 52—IRRIGATION (3) I.

Fundamental principles and practices of irrigation. Water transport and measurement. Soil-moisture measurement and soil-moisture relationships. Water pumps and their relation to irrigation. Farm irrigation distribution systems.

AGRICULTURE 53—FARM POWER (3) I.

Operation and maintenance of farm tractors; service, maintenance and minor repairs of gas and diesel type engines.

AGRICULTURE 54—FARM SURVEYING (2) II.

Use of the level, transit, and steel tape; practice in laying out buildings, profile leveling, and field measurement.

AGRICULTURE 55a-55b-55c-55d—PROJECT CONSTRUCTION (3-3-3-3) I, II.

Characteristics, types and costs of construction materials, and their use in farm equipment and buildings. The application of these principles to build individually owned projects in the shop.

AGRICULTURE 56a-56b—FARM STRUCTURES (3-3) II.

A course in planning designing, and building various types of farm buildings necessary to agricultural enterprises in the San Joaquin Valley.

AGRICULTURE 57—AGRICULTURAL WELDING (2) II.

Arc and oxyacetylene welding as used in construction and repair in the farm shop. Includes brazing, burning and hard facing.

AGRICULTURE 60—ELEMENTS OF DAIRYING (4) I.

A survey of the field of dairying. Study of approved practices in the San Joaquin Valley, including selection, feeding, and management.

AGRICULTURE 63—MILK PRODUCTION (3) II.

Factors affecting milk production. Practice in milk production skills. Dairy production problems and methods.

AGRICULTURE 64—DAIRY MANAGEMENT (2) II.

A study of the feeding and management of dairy cattle, record keeping, developing a herd, and raising replacement stock.

AGRICULTURE 65— FEEDS AND FEEDING (4) II.

A study of the constituents of feeds, the digestive system, and the compiling of rations for livestock.

AGRICULTURE 71—ANIMAL DISEASES AND SANITATION (3) II.

Study of the common diseases and parasites of livestock. Cause, symptoms, prevention, and treatment of common diseases and parasites of livestock.

AGRICULTURE 72—SHEEP PRODUCTION (2) II.

A study of market sheep production. Selection of breeding stock, feeders and equipment. Care and management of flock.

AGRICULTURE 74—FITTING AND SHOWING (1) I.

A course in the methods of fitting and showing cattle, sheep, and hogs for sale and exhibition.

AGRICULTURE 75—BEEF PRODUCTION (3) II.

A study of market beef production. Selection of breeding stock, feeders, and equipment. Care and management of herd.

AGRICULTURE 76—SWINE PRODUCTION (3) I.

A study of market swine production. Selection of breeding stock, feeders, and equipment. Care and management of the herd.

AGRICULTURE 77—POULTRY BROODING (2) II.

A study of brooding principles and practices, growth of the chick, care and feeding of young stock.

AGRICULTURE 78—EGG PRODUCTION (2) II.

A study of the selection, feeding, sanitation, and management of the laying flock.

AGRICULTURE 81—PLANT PROPAGATION (2) II.

Principles of plant propagation by seed, cutting, layering, grafting, and budding.

AGRICULTURE 82—ECONOMIC ENTOMOLOGY (3) I, E.

General study of western insects; life cycles, economic importance and control.

AGRICULTURE 83—FERTILIZERS (3) II.

A study of fertilizers and soil amendments, their properties, methods of application, plant nutrient requirements, interaction with soils and plants, and visual recognition of typical deficiencies. Ag. 87 is recommended as a prerequisite.

AGRICULTURE 84—FORAGE CROPS (3) II.

A study of the common forage crops; alfalfa, permanent pastures, silages.

AGRICULTURE 85—WEEDS (3) II.

Identification; cultural, chemical and biological control or prevention of the major weeds affecting crops and livestock in the Tulare-Kings Counties areas.

AGRICULTURE 86—HORTICULTURE (3) I.

Walnut, olive, pomegranate, fig, and persimmon production. Planting and establishing an orchard. Cultural practices including pruning, spraying, and harvesting of deciduous fruits.

AGRICULTURE 87—SOILS (3) I.

A study of values and management of different types of soils.

AGRICULTURE 88—CITRUS FRUITS (4) I.

A study of the cultural practices necessary to citrus production.

AGRICULTURE 89—TRUCK CROP PRODUCTION (3) II.

Principles involved in the production, harvesting, and marketing of truck crops grown in the San Joaquin Valley.

AGRICULTURE 90—FARM MANAGEMENT (4) I.

A study of prices, economic trends, budgets, credits and choice of enterprises.

AGRICULTURE 91—FARM ACCOUNTING (3) II.

A study of farm record keeping and analysis, including inventories, production records, tax forms, financial and annual statements.

AGRICULTURE 92—AGRICULTURAL MATHEMATICS (2) I.

Procedures, problems in soils, dairy, horticulture, poultry, and feeds; equations, discounts and interest, area volumes and proportions.

AGRICULTURE 93—MARKETING FARM PRODUCTS (3) I.

Study of determinants of agricultural markets. Organization and operation of agricultural markets. Regulatory agencies, cooperatives, and integration.

AGRICULTURE 99a-99b-99c-99d—SUPERVISED PRACTICE (1-3) I, II.

Practical training in agriculture or related occupations. Open to agriculture students only.

AGRONOMY 1-INTRODUCTION TO AGRONOMY (3) II.

The principles and practices of field crop production and soil management. A survey of the production and uses of field crops including cotton, sugar beets, cereals.

ANIMAL HUSBANDRY 7—INTRODUCTION TO ANIMAL HUSBANDRY (4) I.

A survey course of the sources of the world's supply of animal products. The origin, characteristics, and adaptation of the more important breeds of livestock and dairy.

ANIMAL HUSBANDRY 8—LIVESTOCK JUDGING AND SELECTION (1) I.

A study of the animal form in relation to its various functions.

ORNAMENTAL HORTICULTURE 50—BASIC HORTICULTURAL SKILLS (3)

An introduction to ornamental horticulture and the basic skills used in the landscaping, turf management, and nursery fields.

ORNAMENTAL HORTICULTURE 51—LANDSCAPE MAINTENANCE (3) II.

The maintenance of parks, schools, golf courses, plus street and highway plantings. Pruning, fertilization, and pest control operations are covered.

ORNAMENTAL HORTICULTURE 52—LANDSCAPE CONSTRUCTION (3) II.

The fundamentals of construction as they are related to landscape design.

ORNAMENTAL HORTICULTURE 53a-53b—PLANT IDENTIFICATION (3-3) Yr.

The identification and use of ornamental trees, shrubs, annuals, perennials, and ground covers.

ORNAMENTAL HORTICULTURE 54—LANDSCAPE DESIGN (3) II

The basic principles of landscape as applied to residential, industrial, and public properties.

ORNAMENTAL HORTICULTURE 55—NURSERY PRACTICES (3) I.

A survey of nursery practices including nursery layout, management, and cultural practices.

ORNAMENTAL HORTICULTURE 56—TURF GRASS MANAGEMENT (3) I.

An introduction to turf grass management that includes selection and use of turf grass varieties and their use for parks, recreation areas, golf courses, and home use.

POMOLOGY 2—PRINCIPLES OF FRUIT GROWING (3) II.

An introduction to the principles underlying the behavior of fruit trees. Study of climatic influences, varieties rootstocks, and elementary production practices. Special emphasis on peaches, nectarines, apples, and plums.

VITICULTURE 1—INTRODUCTION TO VITICULTURE (3) I.

A survey of the grape industry, grape varieties and economics, with a study of the cultural practices in production.

HOME ECONOMICS

HOME ECONOMICS 10a—FOODS (3) I.

The study and application of fundamental principles of food preparation, composition of foods and nutrition in relation to their chemical, physical and bacteriological properties; the development of ability to plan, prepare and serve attractive, well-balanced individual and family meals within different income levels.

HOME ECONOMICS 10b—FOODS (3) II.

A continuation of H.Ec. 10a with emphasis on the planning, preparation and serving of meals for special occasions, large groups and the use of foreign foods.
Prerequisite: H. Ec. 10a or approval of instructor.

HOME ECONOMICS 12a—CLOTHING (3) I.

The study of fundamental principles of clothing construction from pattern to completed garment. Preferably preceded by H. Ec. 24.

HOME ECONOMICS 12b—FLAT PATTERN DESIGN (3) II.

Fundamentals of designing through the use of basic drafting techniques. Includes the design, drafting and construction of garments from a basic pattern shell.
Prerequisite: H. Ec. 12a or approval of instructor.

HOME ECONOMICS 13—PERSONAL AND HOME MANAGEMENT (3) II

Management principles as they relate to personal and family living; analysis of values, goals and standards; creation, allocation and utilization of resources. Focus on decision-making.

Open to all students.

HOME ECONOMICS 15—SURVEY OF HOME ECONOMICS (2) I.

An introduction to the areas of home economics, opportunities and requirements in various professional fields of home economics.

HOME ECONOMICS 16—HOUSEHOLD EQUIPMENT (3) I.

Selection, use and care of household appliances and equipment. Fulfills requirements in various professional fields of home economics.

HOME ECONOMICS 22—TEXTILES (3) II.

Properties, identification, selection, use and care of textile fibres and fabrics.

HOME ECONOMICS 24—CLOTHING SELECTION (2) I, II.

A study of the factors which influence one's personal appearance; modeling, grooming, figure, clothing selection and wardrobe building. Open to all students.

HOME ECONOMICS 26—MARRIAGE AND FAMILY LIFE (2) I, II.

This course is designed to give the student greater insight into family living. Consideration of such topics as roles played by various family members; importance of the family for individuals and society; choosing a mate; successful living as husband, wife, parent, child; emotional, spiritual, sexual and financial adjustment in marriage; the family in time of stress. (Also cross-titled as Sociology 26).

HOME ECONOMICS 38—HOME FURNISHINGS (3) II.

The study and application of the principles of color, texture, design, style and arrangement in the analysis and solution of problems in furnishing the home, as well as functional planning in contemporary living as related to the physical, economic, social and esthetic needs of man.

HOME ECONOMICS 39—CHILD DEVELOPMENT (3) I, II.

A study of the needs of the infant and child in relation to the family, including the preparation for the arrival of the child, pre-natal development, infancy and childhood. Emphasis on home, parent and child relations. Open to all students. (Also cross-titled as Psychology 39).

HOME ECONOMICS 50a—FOODS (2) I, II.

An introduction to the planning, purchasing and preparation of economical, nutritious and appetizing meals, with emphasis on time management and quick, easily prepared and attractively served meals. For the student who is majoring in other fields.

HOME ECONOMICS 50b—FOODS (2) II.

A continuation of H. Ec. 50a with emphasis on guest and outdoor meals and foreign foods, using economical and time-saving techniques.

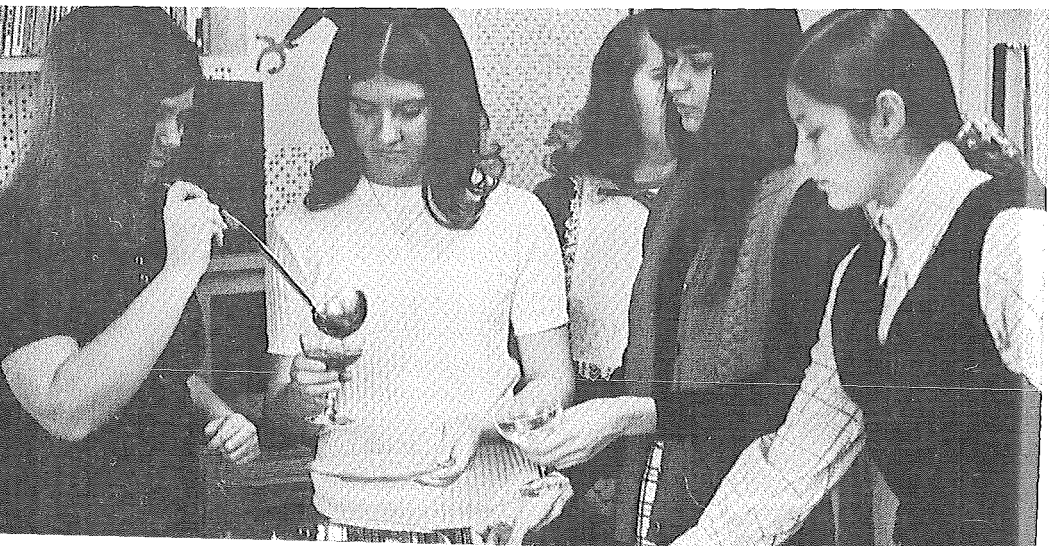
Prerequisite: H. Ec. 50a.

HOME ECONOMICS 51a-51b—BASIC CLOTHING (2-2) Yr., E.

A study of the fundamental principles of clothing construction from pattern to completed garment. Designed for both beginner and experienced seamstress.

NUTRITION 8—NUTRITION FOR PHYSICAL FITNESS (3) II.

A study of the elements of human nutrition in relation to diet planning for the individual and family. Open to all students.



DIVISION OF BUSINESS

Pre-Business Administration

BUSINESS 1a-1b—PRINCIPLES OF ACCOUNTING (4-4) Yr., E.
Lecture, discussion and laboratory five hours a week.

College-transfer students in this course will learn to apply the basic theories of accounting based upon the double-entry philosophy. Particular attention is devoted to the basic business procedures of gathering and statistically classifying accounting data for statement analysis and interpretation. A comprehensive coverage of assets, liabilities, owner's equity, revenue and expense accounts is made and a limited consideration is given to specialized phases of accounting.

Sophomore standing is recommended.

BUSINESS 10—MODERN BUSINESS (3) I, II.

The business student will increase his understanding of the significance of business as a major force in the past and probable future development of our society. Consideration is given to the contributions of our democratic and capitalistic institutions. Emphasis is placed on the vocabulary of business and basic economic concepts.

Recommended as a general education elective.

Not open to students with credit in Business 92 or Economics 1a.

BUSINESS 13—BUSINESS CONSUMER PROBLEMS (2)

A college-transfer survey course in which the student investigates the problems of the consumer and the principles of consumer buying, budgeting, and investing. Departmental and professional specialists will present shopping and buying techniques useful to the consumer and will discuss the methods of analyzing advertising.

BUSINESS 18—BUSINESS LAW (3) I, II.

The college-transfer student will survey the principles of business law with particular emphasis given to contracts, agency, employment, and business organizations. The student is introduced to the legal heritage of the United States.

Sophomore standing recommended.

BUSINESS 22—BUSINESS MATHEMATICS (2) II.

College-transfer students will gain increased skill and practice in the use of fractions, decimals, percentages, interest, discount, installment buying and personal borrowing, and will be introduced to payroll, wage-payment systems, statistical graphs and merchandise pricing.

Prerequisite: Satisfactory score in mathematics placement test or "C" grade or better in Business 95. Sophomore standing recommended.

Real Estate

BUSINESS 40a—REAL ESTATE PRINCIPLES (3) II E.

A basic study of the economic and legal principles pertaining to real estate ownership, sales, and investment. Particular attention is given to California practices and laws.

BUSINESS 40b—REAL ESTATE PRACTICES (3) E.

A study of real estate valuation, investment and management. The course covers the cost, income, and market approaches to valuation and investment. Leases, insurance, taxes and estate planning are covered in the area of management.

Prerequisite: Business 40a or equivalent.

BUSINESS 41—REAL ESTATE FINANCE (3) E.

A course covering the means of financing real estate transactions, legislative provisions regarding real estate financing, and the various taxation aspects of real estate finance.

BUSINESS 42—LEGAL ASPECTS OF REAL ESTATE (3) E.

A practical application of California real estate law, utilizing illustrative cases and examples and designed to help avoid legal difficulties arising from real estate transactions, instruments, zoning and planning.

Prerequisite: Business 40a.

BUSINESS 43—REAL ESTATE ECONOMICS (3) E.

A practical study of the economic aspects of real estate designed to provide a grasp of the dynamic economic conditions and other factors underlying the real estate business. It is especially intended as a background course and a prerequisite for more practical and specialized courses offered in the Real Estate Certificate Program.

BUSINESS 44—CITY AND REGIONAL PLANNING (3) E.

The introductory course to provide a broad background in the history and development of urban areas and modern planning principles.

Prerequisite: Basic sequence in real estate or business experience in the field.

BUSINESS 45a—REAL ESTATE APPRAISAL (3) E.

An introductory course designed to teach students the appraisal techniques involved in both residential and commercial properties and the methods employed in the determination of loan, market, and insurance values.

BUSINESS 45b—ADVANCED REAL ESTATE APPRAISAL II (Urban) (3) E.

A continuation of Business 45a, real estate appraisal of multi-family dwellings, apartment houses, commercial and special purpose property, covering residual techniques, eminent domain proceeding, taxation, and land and vacant lot valuation.

Prerequisites: Business 40a and Business 45a, or equivalent training or experience in appraisal.

BUSINESS 45c—ADVANCED REAL ESTATE APPRAISAL III (RURAL) (3) E.

An advanced course in real estate appraisal of rural properties which includes row-crop, orchard, and livestock properties.

Prerequisite: Business 40a and Business 45a, or equivalent training or experience in appraisal.

BUSINESS 47—PLANNING CONSTRUCTION AND DESIGN (3) E.

A comprehensive nontechnical course to familiarize real estate licensees with their product — site selection and development, materials, costs, color, building codes, and the services of the architect.

BUSINESS 48—BASIC PRINCIPLES OF ESCROW (2) E.

A basic course intended to explain the methods and techniques of escrow procedure for various types of business transactions with emphasis on real estate. Particular attention is given to legal and ethical responsibilities of persons engaged in escrow work. The material covered should be of value to all those either involved directly or indirectly in the escrow industry.

Secretarial and Clerical

BUSINESS 50a-50b—ELEMENTARY SHORTHAND (5-5) Yr., E.

Business 50a, an elementary course in the theory and techniques of Gregg shorthand, is open for credit only to those students who have had no previous instruction in shorthand. The learner will transfer to Business 52a upon achieving a speed of 60 words per minute. Those achieving higher speeds will transfer to Business 52b.

Typewriting must be taken concurrently with Business 50a unless the student makes a satisfactory score on the typewriting placement test.

Prerequisite for 50a: Score equal to English 51 on the aptitude test.

Prerequisite for 50b: "C" or better in Business 50a.

BUSINESS 51a—INTERMEDIATE SHORTHAND (5) I.

Because of the complete review of Gregg shorthand theory covered in Business 51a, the student will gain confidence and skill in reading, writing, and transcribing shorthand. Those students achieving a speed of 80 words per minute and a grade of "B" or better will transfer to Business 52b-53b.

Prerequisite: Shorthand and typewriting placement tests, and a score equal to English 51 on the aptitude test.

BUSINESS 52a-52b—ADVANCED SHORTHAND DICTATION (4-4) Yr.

Advanced shorthand students should achieve an objective of a shorthand diction speed of 120 words per minute with fast and accurate transcription in this second-year shorthand course where emphasis is placed upon building vocational shorthand vocabularies.

Business 53a-53b must be taken concurrently.

Prerequisite: A satisfactory score on the shorthand and typewriting placement tests, and a score equal to English 51 on the aptitude test. To continue in Business 52b-53b, the student must obtain a grade of "C" or better in Business 52a-53a.

BUSINESS 53a-53b—ADVANCED SHORTHAND TRANSCRIPTION (2-2) Yr.

In this required transcription course which must be taken concurrently with Business 52a-52b, the student will gain increased skill and practice in the transcription of the vocational dictation given and will improve her typewriting speed. Office standards are maintained.

Prerequisite: A satisfactory score on the shorthand and typewriting placement tests, and a "C" grade or better in Business 52a-53a. The student must register for typewriting if her placement test score is below 61a.

BUSINESS 55a—LEGAL OFFICE PROCEDURES (3) I.

The learner will receive comprehensive training for the highly specialized work of the legal office in this course. Background information to provide a functioning knowledge of the sources and divisions of the law, the organization of the courts and court procedures, the preparation and execution of many kinds of legal instruments, the maintenance of proper legal records, and a working knowledge of legal reference materials are supplemented by training in, and the practical application of, those skills associated with secretarial work.

Prerequisite: Satisfactory typewriting speed; Business 52a-53a or a demonstrated shorthand speed of 80 words per minute.

BUSINESS 55b—LEGAL SECRETARIAL PROCEDURES (3) II.

The student will continue specialized training which seeks to develop the secretarial skills necessary for employment in the modern law office. Speed in legal dictation and accuracy of transcription are based upon the working knowledge of legal terms and phrases and the law vocabulary basic to this course. Dictation and transcription of legal correspondence, legal documents, pleadings, etc., are used for building shorthand speed.

Prerequisites: Business 55a; Business 52a-b (or a shorthand speed of 100 wpm); Business 69.

BUSINESS 56a—MEDICAL OFFICE PROCEDURES (3) I.

The student will prepare for such medical office duties as making appointments, receiving patients, setting credit terms and collecting payments, record keeping, typing correspondence, case histories, and other medical reports, and the preparation of insurance forms.

Prerequisite: Permission of the instructor

BUSINESS 56b—MEDICAL SECRETARIAL PROCEDURES (3) II.

The learner will receive specialized training to develop the secretarial skills necessary for employment in the doctor's office. Speed and accuracy of medical transcription are based upon the working knowledge of medical terms and phrases and the medical vocabulary presented in this course. Skill-building practice is given in medical transcription which includes correspondence, case histories, and other technical medical materials.

Prerequisite: Business 56a; a net typing speed of 50 wpm; and Business 69.

BUSINESS 57—REFRESHER COURSE IN SHORTHAND (2) E.

The purpose of this review course is to permit the student who has had previous work in Gregg shorthand, but has not had an opportunity to practice it recently, to increase his speed in recording and transcribing. This course is not included in the regular shorthand sequence.

BUSINESS 58a—OFFICE PROCEDURES (3) I, II.

The learner will receive comprehensive training in office techniques and duties through realistic office assignments. The training program prepares students for initial office jobs and lays the foundation for job growth.

Note: This course is not open to those students who have had previous training in a one-year high school office practice class.

Prerequisite: Satisfactory typewriting speed.

BUSINESS 58b—EXECUTIVE SECRETARIAL PROCEDURES (3) II.

In this executive secretarial course, designed to present a general background of office procedures and administration, to relate the human and technical sides of office operation, and to provide an administrative approach as preparation for ultimate advancement into office management, the student will complete projects based on specific office problems.

Prerequisite: Business 58a or the completion of a one-year high school office practice class.

Satisfactory typewriting speed.

BUSINESS 58c—CHARM (1) I, II.

The career girl will find this course carefully tailored to her needs to her problems, time limitations, financial status, and interests—and designed specifically to help her make the most of her potentialities so that she can achieve success both in her work and in her personal life.

Prerequisite: This course is open **only** to women business majors.

BUSINESS 59—RECORDS MANAGEMENT (2) I, II.

The student will participate in a business management course presenting a quick overview of the scope of, and opportunities in, the field of filing, the methods for processing, storing, retrieving, and restoring the various kinds of records that business must keep. Practice will be in the operation of the most commonly used filing systems and methods.

This course is recommended for **all** business majors.

BUSINESS 60a—ELEMENTARY TYPEWRITING (2) I, II, E.

The beginning typewriting student will master the typewriter keyboard and operate and manipulate the mechanical controls of the typewriter, with stress being placed upon technique, accuracy, and posture. He will type simple business forms, business letters, and social forms.

Business 60a is open only to those students who have had **no** previous instruction in typewriting.

BUSINESS 60b—INTERMEDIATE TYPEWRITING (2) I, II, E.

The learner will review the fundamentals of typewriting. He will strive to improve his speed and accuracy not only on straight copy materials but on forms and letters as well. His goal will be to type at least 45 words per minute on straight copy materials for five minutes with not more than four errors.

Prerequisite: Business 60a or a Business 60b score on the typewriting placement test. No student will be admitted who has not taken the placement test.

BUSINESS 61a—ADVANCED TYPEWRITING (2) I, II, E.

The learner will increase his accuracy and typewriting speed as well as learn proofreading marks, expand his ability to type from dictation, and type various office forms. His goal will be to type at least 60 words per minute on straight copy material for five minutes with not more than four errors.

Prerequisite: Business 60b or a 61a score on the typewriting placement test. No student will be admitted who has not taken the placement test.

BUSINESS 62—EXPERT TYPEWRITING (I) II.

The student will develop high speed with accuracy in the production of office materials in preparation for immediate vocational placement—this is the goal of this course.

Prerequisite: Business 61a

BUSINESS 67—TECHNIQUES OF DUPLICATION (I) I, II.

Laboratory 2 hours.

The learner will apply practically the skills and techniques necessary for the successful operation of modern duplicating machines in this course, one which is of value to all business students. Assigned projects will be completed on the Ditto, Standard, Gestetner, and A. B. Dick duplicators, the A. B. Dick Offset duplicator, the Thermofax Dry Photo-Copier, and the Thermofax Secretary.

Prerequisite: Business 61a score on the typewriting placement test or the completion of Business 60b.

BUSINESS 68a—OFFICE MACHINES (2) I, II, E

The student will become acquainted with those machines in most common use in business offices and will build skill in performing the fundamental arithmetic operations upon them. The various machine studies are: Marchant, Friden, and Monroe Rotary Calculators; Monroe, Marchant, Remington-Rand, Olivetti-Underwood, and Friden Printing Calculators; Burroughs Key Driven Calculators; Clary Adding Machines; Burroughs and National Cash Register Posting Machines; and various electronic calculators.

Note: Those students who have credit for a similar office machines course in high school will receive no credit for this course.

Prerequisite: Business 95 if the student has not recently had a course in arithmetic—or it may be taken concurrently.

BUSINESS 68b—ADVANCED OFFICE MACHINES (2) II.

An advanced course designed to meet the needs of those students who desire to build professional skill in the use of the calculating and adding machines. The student will have an opportunity to do specialized work on practical problems chosen from the various major lines of business, thus enabling him to attain proficiency.

Prerequisite: Business 68a and permission of the instructor.

BUSINESS 69—MACHINE TRANSCRIPTION (2) I, II.

The learner will, through this course of instruction, be trained in the operation and care of the Dictaphone and IBM Executary dictating and transcribing machines and will have developed skill in their use.

Prerequisite: Satisfactory typewriting speed and English 51. (or Business 96a) with a grade of "C" or better.

Merchandising

BUSINESS 70—SALEMANSHIP (3) I, II.

Through this introduction to salesmanship students will become acquainted with the factors involved in successful selling, including an overview of the economic aspects and types of selling, the environment of the salesman and the major steps in selling.

Not open to students with credit in Business 71.

BUSINESS 71—CREATIVE SELLING (3) I.

For the student planning his career in selling this first course offers a study of the personal factors and techniques which influence people, including the mechanics and methods of dealing with the many kinds of customers encountered. Practice is given in the selling process, using the psychological and social aspects of persuasion.

This course must be taken concurrently with Business 72, as it is a required course of all merchandising majors.

Not open to students with credit in Business 70.

BUSINESS 72—RETAILING (3) I.

The merchandising major in this course will survey retailing primarily from the businessman's point of view, but with some attention given to consumer education. The course covers past and present trends in retailing, store location and layout policy formation and execution, organization, personnel management, merchandise control and pricing.

Required of all merchandising majors.

BUSINESS 73—RETAIL BUYING (3) II.

Students will give technical as well as critical consideration to those factors basic to the planning, selecting, buying, pricing, and selling of retail merchandise. This course is so designed as to equip the merchandising major to assume these responsibilities in the retail field.

Prerequisite: Business 72.

BUSINESS 74—MARKETING (3) II.

The student will become aware of the managerial viewpoint in the distribution of commodities from the producer to the retailer. Emphasis is placed upon classification of commodities, function of the various distributors, and channels of distribution. Specific areas covered include advertising, transportation, storage, grading, and packaging.

This is a required course for all merchandising majors.

It is recommended that students take Business 92 or 10 and Business 71 (or Business 72) before registering for this course.

BUSINESS 75a—ADVERTISING (3) I.

The learner will be provided a basic and practical knowledge of what advertising is, what it does and how it works, including the basic criteria for the evaluation of advertising which will be useful for the student of merchandising, business or journalism, and the American consumer.

BUSINESS 75b—ELEMENTS OF STORE DISPLAY (1) II

The student receives an introduction to the use of arrangement, style, color and lighting of retail store merchandise for attractive interior and window display in this laboratory-lecture course, which involves the design and creation of store displays as well as the evaluation of display techniques.

Prerequisite: Business 75a or permission of the instructor.

BUSINESS 76—CREDITS AND COLLECTIONS (3) II.

The principles of consumer and commercial credit form the bases of this course which inquires into the methods and costs of credit extension to, and collection from, wholesale, retail and consumer buyers and the source of credit information, credit institutions, and the technical and legal aspects of credits and collections.

Accounting

BUSINESS 80a-80b—ELEMENTARY ACCOUNTING (4-4) I, II, E.

Lecture, discussion, and laboratory, 5 hours a week.

The student will become familiar with accounting principles and practices, covering business papers, general and special journals, general ledgers with control accounts, subsidiary ledgers, posting, periodic adjustments, work sheets, financial statements, and closing entries. Single proprietorship, partnerships, and wholesale departmental practice sets accompany the course.

Prerequisite for Business 80b: Business 80a or the completion of two years of high-school bookkeeping with a satisfactory grade.

BUSINESS 81—ADVANCED ACCOUNTING (4) I, E.

Lecture, discussion and laboratory, 5 hours a week.

The learner in this advanced course will be involved in the application of specialized phases of accounting theory and practice accounting in a manufacturing corporation, continuing the work of Business 80a-b.

Prerequisite: Business 80a-b or its equivalent.

BUSINESS 82—TAX AND PAYROLL ACCOUNTING (4) II.

Lecture, discussion and laboratory, 5 hours a week.

Accounting students in this specialized accounting course will study the application of federal-state payroll tax laws as they apply to individuals and to businesses and will receive application of tax principles to specific individuals and business problems. Also included are the development of the records and reports needed by the individual and by business incident to the federal income tax and federal and state social security tax programs as they affect payroll accounting

Business 80b may be taken concurrently.

Prerequisite: Business 80a

BUSINESS 83—COST ACCOUNTING (3) II.

The learner will, in this continuation of accounting, receive practical training in cost accounting techniques which cover job cost, process cost, and standard cost.

Prerequisite: Business 80a or Business 1a.

BUSINESS 87—ACCOUNTING FOR SECRETARIES (2) II.

The content, organization, and emphasis of this course are based upon the actual bookkeeping and recording activities performed on the job by the secretary. Units on cash, taxes, payroll, data processing, and invoicing are included.

This course is open only to those secretarial majors who have **not** had high school bookkeeping, Business 80a, 80b, or 88.

BUSINESS 88—RECORDKEEPING FOR SMALL BUSINESS (3) I.

In this vocational recordkeeping course for **non-business** majors the student will be introduced to the basic bookkeeping procedures.

Business 88 is **not** open to students who have had high-school bookkeeping or who have credit for Business 1a-1b, 80a-80b, 81 or 87.

Prerequisite: Business 95 or Mathematics 50 must be taken with or prior to registering for this course.

Business Background

BUSINESS 90—BUSINESS STATISTICS (3) II.

The student will analyze, classify, and record statistical data for the solution of problems in the areas of business and social science. The subject matter stresses statistical methods as tools in organizing and expanding data for maximum understanding and for using effectively in making decisions, rather than placing main emphasis upon mathematical theory of the derivation of statistical formulas.

The course is open to students majoring in business and in the social sciences.
Prerequisite: High-school algebra (Not offered, 1970-71)

BUSINESS 91a—SMALL BUSINESS MANAGEMENT (3) I.

It is recommended that the student complete Business 95 and Business 92 (or Business 10) before taking this course (or take them concurrently) and have some basic background in accounting in this basic course in the organization, operation, and management of small businesses. The student will appreciate and identify the the problems of the sole proprietorship type of organization.

BUSINESS 91b—OFFICE MANAGEMENT (3) II.

Business students aiming for mid-management careers will become familiar with the fundamental principles and successful practices in the field of office management, that indispensable part of business administration through which the personnel, paper work, and production of an entire organization are coordinated. Cases on work simplification, the human element, supervision of office services, and the planning, organizing, and controlling of office work will be studied and discussed.

BUSINESS 92—SURVEY OF AMERICAN BUSINESS (3) I, II.

This business background course presents a survey of business principles, problems, practices, and procedures of value to all students, whether or not they are majoring in business. For the business major, this course affords assistance in choosing an area of specialization and a background for the more specialized business courses.

This course is not open to the student who has taken Business 10 or Economics 1a.

BUSINESS 93—SURVEY OF BUSINESS LAW (3) I, E.

The student will become aware of the meaning and operation of the law under which he lives, the value of such law to his everyday living, and its aid in the conduct of his home, social, and business affairs.

Recommended for all terminal business majors. Required for nontransfer majors in accounting, excepting those students with credit in Business 18.

BUSINESS 94—INSURANCE PRINCIPLES (3) I.

Designed for those students interested in insurance as potential consumers or as a career, the general principles of risk and risk-taking and of the basic kinds of insurance available to individuals and groups will be presented in this course.
(Not offered 1970-71)

BUSINESS 95— BUSINESS ARITHMETIC (3) I, II

In this mathematics course the student will develop speed and accuracy in, and understanding of, the fundamental processes of arithmetic commonly used in making business calculations. Students who have received credit for Business 22 may not take this course.

BUSINESS 96a—SECRETARIAL ENGLISH (3) I, II, E.

The student will review and practice basic English skills necessary for skillful shorthand transcription. The review includes fundamentals of English grammar, sentence structure, punctuation, and aids in the building of an adequate business vocabulary. Not open to students who have taken English 51.

Prerequisite: English 51 score on the aptitude test.

BUSINESS 96b—WRITING FOR BUSINESS (3) I, II.

The student will achieve skill in the basic and associated forms of business communications—credit, collection, and adjustment letters, sales writing, letters of inquiry, and letters of application. He will learn how to write letters that grant requests and how to write tactfully letters that must refuse. The student will find this course extremely useful in all types of business occupations.

This course is required for all business majors.

Prerequisite: English 1a score on the aptitude test or a "C" grade in either English 51, 52, or Business 96a.

BUSINESS 96c—BUSINESS REPORT WRITING (3) I.

The student will learn how to organize both written and numerical information into report form. In his writing he will progress gradually from short memorandum and letter-type reports to long formal reports. This course should be particularly useful for a management trainee, but it should also be useful to anyone in a business occupation that would require the preparation of reports.

Prerequisite: Business 96a, English 51, English 52, or an English 1a score on the aptitude test.

BUSINESS 97—PERSONAL FINANCE (3) I, II.

In this general education course open to both business and nonbusiness majors students gain knowledge of personal income and expenditures. To be discussed will be such topics as commercial and savings accounts, investments, borrowing money, budgets, charge accounts, and installment buying; property, income, estate, inheritance and gift taxes, life, health, accident, property, and miscellaneous insurance; pension plans and social security, trust funds and wills; inflation, and business cycles; and problems of owning a home.

BUSINESS 98—HUMAN RELATIONS IN BUSINESS (3) I.

Business students in this elementary course in personnel management will become acquainted with those accepted principles of human relations which will be in use for advancement in business, will become more efficient personally, and will increase their understanding of the problems of management in personnel administration.

Business Data Processing

BUSINESS III—BUSINESS DATA PROCESSING (3) I, II.

The learner will study the fundamental terminology and concepts of data processing. Through a study of historical development and of basic methods and techniques of card punch equipment and of electronic data processing, the student will have a better understanding of how modern data processing can be applied to business. (formerly Business 84.)

Prerequisite: A grade-point average of 2.0 ("C") or better is required.

Accounting must be taken concurrently if the student has had none.

BUSINESS 113a—ELECTROMECHANICAL EQUIPMENT (3) I, II.

Lecture and laboratory, 4 hours a week.

Students will concern themselves with such conventional IBM unit record machines as the card punch, sorter, collator, and accounting machine. Card design, printer layout design, machine operating principles, control panel wiring, procedure development, and accounting control are studied.

(Formerly Business 85a).

Prerequisite: Business III with a grade of "C" or better.

BUSINESS 115—COMPUTER FORTRAN PROGRAMMING (3) II, E.

Lecture and laboratory, 5 hours a week.

The student is introduced to the techniques of programming electronic digital computers. Through application problems the learner studies the characteristics of computers, programming procedures, flowcharting, FORTRAN coding, and debugging methods. The problems are executed on an IBM 1130 computer system (with an 1132 on-line printer and a 1442 card reader-punch) located on the COS campus. (Formerly Business 86a.)

Prerequisite: Business 111 with a grade of "C" or better and Business 80a; or the permission of the instructor if the student has not already completed these requirements.

BUSINESS 116—RPG COMPUTER PROGRAMMING (3) I, E.

Lecture and laboratory, 5 hours a week.

The programming student will learn how to code various types of business oriented reports in Report Program Generator language. RPG is a language common to all IBM computing systems; hence, characteristics of different levels of RPG compilers will be discussed, as will documentation techniques. Students will run and debug programs using the college's computer.

Prerequisites: Business III with a grade of "C" or better and Business 80a; or the permission of the instructor if the student has not already completed these requirements.

BUSINESS 117—COBAL PROGRAMMING (2) E.

Lecture and laboratory 3 hours a week.

Students oriented toward the handling of business data. The course will include a study of the structure of Common Business Oriented Language, organization of data and files, and practice in programming.

Prerequisites: Business III with a grade of "C" or better and Business 80a; or the permission of the instructor if the student has not already completed these requirements.

BUSINESS 118—ADMINISTRATIVE SYSTEMS AND PROCEDURES (3) II

Students will study data processing systems and procedures, including an analysis of the various existing data processing systems and of integrated or total management information. Class projects will include the development of detailed procedures in the various areas of a management information system. (Formerly Business 86c.)

Prerequisite: Business 80a or Business 1a.

BUSINESS 119—IBM 1130 ASSEMBLY LANGUAGE PROGRAMMING (3) II, E.

Lecture and laboratory, 5 hours a week.

Students will design and write programs in IBM 1130 assembly language. Functional parts of a computer and fundamental concepts of computer operation will be thoroughly discussed. Indexing, instruction modification, branching, and arithmetic operations are among the topics presented.

Prerequisites: Business III with a grade of "C" or better and Business 80a; or the permission of the instructor if the student has not already completed these requirements.

BUSINESS 120a-b— OFFICE INTERNSHIP (3-3) I, II

Secretarial and clerical majors who are employed a minimum of 12 hours a week at regular pay in an off-campus business office in which they are using their office skills may coordinate their college training and work experience through this class. Seminar sessions will provide time for individual conferences on adapting knowledge, skills, and attitudes to office work, discussion of group job problems, speakers from business offices, field trips, and special reports and projects.

Prerequisite: High school or junior college office skills training. This class is not open to the beginning business skills student.

DIVISION OF FINE ARTS

ART

ART 1a—HISTORY OF ART (3) I.

A survey of painting, sculpture, architecture and the minor arts representative of prehistoric, ancient, classical and medieval periods of Western civilizations and early civilizations of Eastern culture. Illustrated lectures.

ART 1b— HISTORY OF ART (3) II.

A survey of painting, sculpture, architecture and the minor arts from the Renaissance to the present day in Western civilizations. Illustrated lectures.

ART 3—INTRODUCTORY CRAFTS (2) I, II.

Selected experiences from various craft areas; printing, ceramics, sculpturing and modeling, using such materials as paper, wood and metal.

Recommended especially for elementary education majors.

ART 4a-4b—EXPLORATORY CRAFTS (2-2) Yr, E.

A basic crafts course designed to develop artistic skills in the media of design, ceramics and metal sculpture, and to provide experience with the various art materials, tools and equipment. Included in ceramics are projects in glaze experimentation, slab and coil construction; in jewelry, lost wax casting and etched design.

ART 6a—COLOR AND DESIGN (2) I, II

A basic course in art with the primary purpose of familiarizing the student with the elements and principles used in art through the study of historic examples from all countries and periods. Creative imagination and judgement are stimulated through problems involving various media. Experiments with line, form, and color, in two and three dimensions.

ART 6b—COLOR AND DESIGN (2) I, II

Exploration of two- and three-dimensional space with emphasis on form and color.

Prerequisite: Art 6a.

ART 7a—FREEHAND DRAWING (3) I, II, E.

An introduction to basic principles of graphic representation. Studio practice emphasizes fundamentals of drawing and pictorial organization in dark and light. Use of pencil, pen-brush and ink, charcoal, and scratch-board techniques.

ART 7b—LIFE DRAWING (3) II, E.

Fundamentals of anatomy and representation of the human figure. Drawing from life.

Prerequisite: Art 7a or equivalent.

ART 8—FUNDAMENTALS OF DRAWING (2) E

Freehand and perspective drawing. Use of pencil, pen, and ink. Chinese brush, charcoal, water color, and scratch board techniques.

ART 9a-9b—COMMERCIAL ART (3-3) YEAR

Lettering, rendering, air brush, layout design, paste-up, product design, brochure design, advertising, and portfolio presentation.

Prerequisite: Art 6a and Art 7a.

ART 10a-10b—SCULPTURE (3-3) Yr.

The manipulation of three-dimensional materials with basic studio practice in wood, plaster, clay, fabrics, and synthetics.

Prerequisite: Art 7a-7b or equivalent.

ART 12a-12b—WATERCOLOR PAINTING (2-2)

The theory and techniques of watercolor painting. Studio practice in still life, landscape and other subject matter using watercolor media.

Prerequisites: Art 6a-6b and Art 7a-7b, or equivalents.

ART 14a-14b—OIL PAINTING (2-2)

Experimental painting of still life, landscape and the human figure. A study of painting procedures color, theory and techniques. Medium—oil paints.

Prerequisites: Art 6a-6b and Art 7a-7b, or equivalents.

ART 15a-15b—INTRODUCTION TO PAINTING (3-3) Yr.

Introduces the student to equipment, techniques and styles. Color, mixture, mediums, composition and design with problems both representational as well as non-representational. Mediums besides oils and water colors and their techniques may be explored and utilized, including synthetic resins, casein, vinylite, encaustic, collage and assemblage.

Prerequisites: Art 6a-6b and Art 7a-7b, or equivalents.

ART 19—ART APPRECIATION (2) I, II, E.

A course designed to develop the student's capacity to enjoy his surroundings by making him conscious of the beauty he sees in his home, his school, his community, and in works of master craftsmen and artists.

ART 20a—PRINTMAKING (2) I

Introduction to wood and silk screen printing.

Prerequisite: Art 7a or equivalent or consent of instructor.

ART 20b—PRINTMAKING (2) II

Advanced study in intaglio and silk screen printing.

Prerequisite: Art 20a.

ART 22—APPRECIATION OF CONTEMPORARY ART (2) I, II

A class designed for art majors and those interested in various contemporary forms of expression. The class will investigate such recent phenomena as multi-media environments, happenings, and film as an art form. Students may perform, participate in and execute some of the topics covered.

ART 23a-23b—DESIGN IN LEATHER (2-2).

A course in creative leather craft designing, pattern making, carving, finishing, and monogramming.

ART 25a-25b—CREATIVE JEWELRY (2-2)

A basic course in modern jewelry making in creative design and conventional pins, broaches, clasps, rings, earrings. The course is basic for hobby or trade.

ART 27a-27b—LAPIDARY (2-2), Yr, E.

The art of cutting and polishing semi-precious stones.

Not less than one field trip each semester for the study of geological formations and the collection of suitable materials.

ART 27c-27d—LAPIDARY (2-2) Yr, E.

The second-year course in the art of cutting and polishing semi-precious stones.

Prerequisite: Art 27a-27b.

Enrollment in Art 27 is limited to four semesters.

ART 31a-31b—MERCHANDISING ART (2-2)

Basic techniques in window and counter display with emphasis on hand lettering, design, and color.

ART 54a-54b—DECORATIVE CERAMICS (2-2) Yr, E.

The first-year course in the decoration of clay, copper and glass.

ART 54c-54d—DECORATIVE CERAMICS (2-2) Yr, E.

The second-year course in the decoration of clay, copper and glass.

Prerequisite: Art 54a-54b.

Enrollment in Art 54 is limited to four semesters.

ART 55a-55b—CERAMICS (2-2) Yr. E.

The first-year course in the use and making of clay products.

ART 55c-55d—CERAMICS (2-2) Yr. E.

The second-year course in the use and making of clay products.

Prerequisite: Art 55a-55b

Enrollment in Art 55 is limited to four semesters.

ART 56a-56b—CHINA PAINTING (2-2) Yr, E.

The first year course in china decorating, painting, design, color and firing.

ART 56c-56d—CHINA PAINTING (2-2) Yr, E.

The second-year course in china decorating, painting, design, color and firing.

Prerequisite: Art 56a-56b.

Enrollment in Art 56 is limited to four semesters.

ART 57a-57b-57c-57d—LANDSCAPE PAINTING (1-1-1-1)

Oil painting; development of form through color with an emphasis on landscape painting.

CINEMA ARTS

CINEMA ARTS 1-2—MOTION PICTURE APPRECIATION (2-2) E.

An exploration of the origin of motion picture production, objectives of various directors and producers in their films, and technological and aesthetic changes in motion picture production. Students are taught to view the motion picture as an art form and to evaluate the objectives of motion pictures and their attainment.

Cinema Art 1 covers the period from the beginning to the present, with emphasis on silent film.

Cinema Art 2 covers contemporary film, 1940 to present.

MUSIC

MUSIC 1a-1b—STRING INSTRUMENTS: CLASS INSTRUCTION (1-1). Yr.

Elementary instruction in violin, viola, cello, bass viol, tone production, bowing, technique, care of instruments.

MUSIC 2a-2b-2c-2d—STAGE BAND (1-1-1-1) I, II.

A terminal course which includes the organization, training procedures, arranging, vocals, and other phases of dance band work. Public performance and field trips may be required. Designed for the student desiring to enter the field of professional dance music, radio, or theatre orchestra work.

Prerequisite: Competent playing ability and permission of the instructor. Should be taken concurrently with Mus. 18a-18b and Mus. 19a-19b.

MUSIC 3a-3b-WOODWIND INSTRUMENTS: CLASS INSTRUCTION (1-1) Yr.

3a—Elementary instruction; correct tone production; technique and care of instruments; emphasis on clarinet.

3b—Continuation of 3a with emphasis on flute, oboe, saxophone, and bassoon.

MUSIC 4a-4b—MUSICIANSHIP (1-1) Yr.

Simple rhythmic notation; scales, intervals, triads, melodies in major mode, emphasizing the tendency of tones individually and their significance in groups; music reading of material containing simple tonal relations and simple rhythmic designs; phrasing and general principles of music interpretation. Must be taken concurrently with Music 12a-12b.

MUSIC 5a-5b—ADVANCED MUSICIANSHIP (1-1) Yr.

Continuation of Music 4a-4b. Diatonic and chromatic modulation, altered chords.

Prerequisite: Music 4a-4b. Must be taken concurrently with Music 14a-14b.

MUSIC 6a-6b—BRASS AND PERCUSSION INSTRUMENTS: CLASS INSTRUCTION (1-1) Yr.

6a—Elementary instruction; correct tone production, technique, and care of instruments.

6b—Continuation of 6a.

MUSIC 7a-7b-7c-7d—ADVANCED ORCHESTRA (1-1-1-1) I, II, E.

A course designed for students and adults who are proficient in playing their instruments. The orchestra prepares music for accompaniment for oratorio, light opera, and standard orchestral literature. Participation in public performances is expected.

Three hours classwork.

Prerequisite: Permission of the instructor.

MUSIC 8a-8b-8c-8d—COLLEGE CHOIR (1-1-1-1) I, II.

A study of the best choral literature for mixed voices, with emphasis on tone production, precision, and sincerity of ensemble interpretation.

Choir students are asked to participate in a limited number of out-of-school performances.

Prerequisite: Permission of instructor.

MUSIC 10—APPRECIATION OF MUSICAL LITERATURE (2) I, II, E.

Designed to aid the average student in developing an understanding and enjoyment of the music of the great composers. No previous musical training required. Special emphasis given to the problems of the musically untrained listener.

MUSIC 12a-12b—BEGINNING THEORY (3-3) Yr.

This course includes the fundamentals of music notation and the use of chords in harmonizing melodies and basses in both major and minor keys. Simple ear-training and keyboard harmony included. Must be taken concurrently with Music 4a-4b.

MUSIC 14a-14b—ADVANCED THEORY (3-3) Yr.

Continuation of Music 12a-12b. Diatonic and chromatic modulation, altered chords.

Prerequisites: Music 12a-12b.

Must be taken concurrently with Music 5a-5b.

MUSIC 16a-16b—HISTORY OF MUSIC (3-3) Yr.

16a—The history of music from primitive times to the eighteenth century.

16b—A continued study to the present.

MUSIC 17a-17b—ORCHESTRATION (2-2) Yr.

17a—Range, technique, timbre, transportation of band and orchestral instruments; exercises in orchestration for individual instrumental chorus.

Prerequisites: Music 4a-4b, Music 12a-12b.

17b—Scoring for small instrumental combinations and for full band and orchestra. Introduction to stage band arranging also included.

Prerequisite: Music 17a.

MUSIC 18a-18b—MARCHING BAND (2-2) I.

Five hours per week. Open to all students who demonstrate ability to play a band instrument. Physical education activity credit is granted by concurrent enrollment in Phys. Ed. 15a or 15b. Required of all music majors not in choir, or a string group.

The band represents the college in public functions which may include the performance of band literature at athletic events, rallies, parades and concerts.

During the first nine weeks emphasis will be on the development of band shows for games and rallies. The remainder of the semester will concentrate on the rehearsals and performance of all kinds of band literature. Additional rehearsals may be scheduled, if needed. Attendance at all public performances is required.

MUSIC 19a-19b—CONCERT BAND (1-1) II.

A study and performance of standard band music, with special attention to interpretation, tone, technique, and general effect. Planned for those interested in improving their musicianship. Some outside or public performances are required.

MUSIC 20—APPRECIATION OF THE OPERA (2) I, II.

Complete opera recordings of selected composers.

MUSIC 21—BEGINNING PIANO (1) I, II.

Prerequisite: None.

MUSIC 22a-22b-22c-22d—INTERMEDIATE PIANO (1-1-1-1) I, II.

Prerequisite: Music 21 or consent of instructor.

MUSIC 30a-30b-30c-30d—ELEMENTARY VOICE (1-1-1-1)

A class in the fundamentals of good singing in the vocal field. Individual performance before the class is required.

Prerequisite: Permission of the instructor.

MUSIC 40a-40b-40c-40d—PERFORMANCE MUSIC (1-1-1-1) I, II, E.

Performance in music activities such as recitals, rallies, musicals, concerts, or in group ensembles such as band, chorus or orchestra. Hours are arranged for those wishing to participate but are unable to meet the regular schedule. (Formerly Music 51a-51b-51c-51d.)

MUSIC 55a-55b-55c-55d-55e-55f—COLLEGE COMMUNITY ORCHESTRA (1-1-1-1-1-1) E.

Orchestra for experienced musicians. Rehearsal of concert orchestra literature with some public performance expected.

Prerequisite: Permission of instructor.

MUSIC 61—INTRODUCTION TO STAGE BAND ARRANGING (2) E.

Theory and techniques in the fundamentals of musical arranging and scoring for the stage band or dance band, beginning with small phrases for sections and evolving to full arrangements, with class performance of materials scored by students and reading of newly published materials for the stage band.

Prerequisite: One year of music theory (Music 12a-12b) or equivalent, or permission of the instructor.

Speech Arts and Drama

SPEECH 1a-1b—FUNDAMENTALS OF PUBLIC SPEAKING (3-3) I, II, E.

This is the basic course in speech. It is concerned with training in meeting practical speech situations. During the first semester, techniques of organizing speech materials, effective use of voice in communication, and good platform manners are stressed. In the second semester, preparation and delivery of various types of speeches receive emphasis.

Prerequisite: An acceptable score on the aptitude test or a grade of "C" or better in English 51 or Business 96a.

SPEECH 3—ORAL INTERPRETATION (3) I, II.

The techniques of understanding and interpreting prose, poetry and dramatic selections, as well as criticism and appreciation of oral literature. Emphasis will be on the individual's ability to communicate literature orally.

Does not meet general education requirement in speech at state colleges and universities.

SPEECH 40—RADIO—TV SPEECH (2) I, II.

This is a laboratory course in microphone and television technique, in which voice control, diction, radio and television announcing are studied. It is intended especially for speech majors and for students who wish experience in radio and television announcing.

SPEECH 41—RADIO—TV PRODUCTION (2) I, II.

Methods and techniques of tape recording radio news for broadcast over local stations. Mandatory participation. Script writing, announcing, set-ups, timing. Prerequisite: Speech 40 and instructor's permission.

SPEECH 51—PRACTICAL SPEECH (3) I, II, E.

This course is arranged for those students who intend to go directly into home-making or business upon the completion of their junior college work. Stress is placed upon the development of poise and self-confidence, right use of the voice.

DRAMA 1—HISTORY OF DRAMA (3) I.

History of the development of the stage and theatre arts from primitive times to the present and a critical study and analysis of representative masterpieces of dramatic literature. This segment covers the period in western civilization from classical Greece to the Renaissance.

DRAMA 2—HISTORY OF DRAMA (3) II.

Complementary course to Drama 1. This segment includes the period from the Renaissance to the present, with emphasis on modern drama.

Drama 1 is not requisite to Drama 2. The year sequence is strongly recommended as a general-education course in the humanities.

DRAMA 5—THE AMERICAN MUSICAL THEATRE (3) II.

A survey of the American musical theatre and its emergence as an original art form; light opera, operetta, folk opera, musical comedy and musical drama as performed in the United States in chronological sequence from beginnings as adaptations and translations from European sources to the contemporary scene.

DRAMA 10a—FUNDAMENTALS OF ACTING (3) I, II.

A theoretical as well as practical approach to the technique of acting; the physical and psychological resources necessary for acting; demonstration and practice in pantomime, scene, improvisation, and characterization from The Greek Theatre through The Restoration of the Eighteenth Century.

DRAMA 10b—FUNDAMENTALS OF ACTING (3) I, II.

A theoretical as well as practical approach to the technique of acting; the physical and psychological resources necessary for acting; demonstration and practice in pantomime, scene, improvisation, and characterization from The Nineteenth Century through The Social Dramas of the Thirties.

DRAMA 10c—INTERMEDIATE ACTING (3) I, II.

Intensive application of acting techniques through study and performance and the learning of basic exercises for the actor; study and development of characters in performance from The Contemporary Theatre and Recent Internationally Representative Plays and Musicals.

DRAMA 10d—INTERMEDIATE ACTING (3) I, II.

Appraisal and analysis of stage techniques, acting theories and practices in performance from Experimental Dramas and The Theatre of the Absurd.

DRAMA 33a-33b—FUNDAMENTALS OF PLAY PRODUCTION (2-2)

An elementary course in the techniques and methodology of the modern theatre, designed to present the theoretical and practical applications of play production as well as to promote developmental skills and artistry. Theatre organization, play selection, production design, cast selection, rehearsing, and staging—scenery, lighting.

DRAMA 35—INTRODUCTION TO THE THEATRE (2)

Analysis of the theatre, the play, the playhouse, styles of staging, the actor, and drama as art.

DRAMA 36—DRAMATIC LITERATURE (2)

Reading and analysis of great plays from various periods in dramatic literature.

DRAMA 37—FUNDAMENTALS OF DIRECTING (2) E.

An introduction to the theory and practice of play direction for the theatre, this course includes an analysis of plays to determine suitability for staging, acting methods and styling; and a study of movement, tempo, composition, climax, and the usages of sound and music to effectuate mood. Projects may include the preparation of promptbooks and the production of play plans, the staging of short plays or scenes, and observations and analyses of plays as given in theatrical production and/or translated to the film.

Prerequisites: Drama 10a-10b, or equivalents.

DRAMA 55a-55b-55c-55d—DRAMA WORKSHOP ACTIVITIES (1-1-1-1) I, II.

Experience in drama and theatre through active participation in major dramatic productions. Includes training and experience in acting, costuming, make-up set design, scenery, and props.

Enrollment by permission of instructor only.

DRAMA 60a-60b-60d-60c—STAGECRAFT (1-1-1-1) I, II.

Practical experience in the design, construction and painting of stage sets and scenery. Practical application is accomplished through participation in the technical staging of major college dramatic and musical productions.

Enrollment by permission of instructor only.

DRAMA 61a-61b-61c-61d—STAGE LIGHTING (1-1-1-1) I, II.

Technical problems in stage lighting. Practical experience in the setting up and use of lighting instruments for plays and musicals.

DIVISION OF INDUSTRY AND TECHNOLOGY

Industrial Arts

INDUSTRIAL ARTS I—ELEMENTS OF WOODWORK (3) I.

Six hours per week.

The processes of bench woodworking; use and care of hand tools; fundamentals; exercises, correct construction methods; basic operations on light woodworking machinery, including wood turning.

This is a transfer course designed primarily for students majoring in Industrial Arts Education.

INDUSTRIAL ARTS 2—MACHINE WOODWORKING (3) II.

Six hours per week.

Operation, care and maintenance of woodworking machinery in the construction of case work, cabinets, and furniture. Safety in the operation of woodworking machines and power tools.

Prerequisite: Industrial Arts I.

This is a transfer course designed primarily for students majoring in Industrial Arts Education.

INDUSTRIAL ARTS II—PRACTICAL PROBLEMS IN ELECTRICITY (3) I, II.

Two hours of lecture and four hours of laboratory per week.

Basic fundamentals of direct current and alternating current electricity will be studied. Lectures, demonstrations and laboratory experiments will cover such topics as: the electron theory, cells and batteries, Ohm's and Kirchhoff's laws, series, parallel and series-parallel circuitry, meter movements, generators and motors, alternating current, inductance, capacitance, transformers, rectification and operation of the oscilloscope.

Prerequisite: None.

Not open to students enrolled in or with credit in Physical Science 11, Electronics 57ab, 58ab, or any other basic college course in electricity or electronics.

INDUSTRIAL ARTS 12—FUNDAMENTALS OF AUTOMOTIVE MECHANICS (3) II

Three hours lecture per week—students are given outside study assignments.

Basic theory of electricity, carburetion, engine lubrication, engines, cooling, tune-up and diagnostic equipment.

Demonstrations by instructor. Students do not work on cars or automotive units. This is a transfer course designed primarily for students majoring in Industrial Arts Education.

AUTOMOTIVE TECHNOLOGY

AUTOMOTIVE MECHANICS 49a-49b-49c-49d—SUPERVISED PRACTICE (1-3) I, II

Selected Automotive Technology or Industrial Arts Education majors assist and direct less advanced students under the supervision of a master automotive instructor.

Prerequisite: "B" average in college automotive major courses and permission of the instructor.

AUTOMOTIVE MECHANICS 60—BASIC AUTO (2) E.

Service and repair of engines and power train assemblies and sub-assemblies.

AUTOMOTIVE MECHANICS 61—ENGINE TUNE-UP (2) E.

Study of compression, electrical and fuel systems.

AUTOMOTIVE MECHANICS 61-o—BASIC IGNITION SCOPE ANALYZERS (1) E.

Theory, application of theory of several types of ignition oscilloscope analyzers are used in modern tune-up methods. (Nine weeks only.)

Prerequisite: Automotive maintenance personnel preferred.

AUTOMOTIVE MECHANICS 62—AUTOMATIC TRANSMISSIONS (2) E.

Theory, application of theory, repairs, care and maintenance, and trouble shooting of Dynaflo, Powerglide, Ford-o-matic and Hydramatic.

AUTOMOTIVE MECHANICS 63P, 63L, 63B—POLLUTION, LAMPS, BRAKES (0) E.

Instruction in preparation for certification by the California Highway Patrol for the service of Automotive Pollution Control Devices (A.M. 63P), Automotive Lamp Adjustment (A.M. 63L) and Automotive Brake Service and Adjustment (A.M. 63B).

AUTOMOTIVE MECHANICS 70—BENCH WORK AND SAFETY (1) I, II.

One hour lecture and one hour laboratory per week.

Instruction in developing the skills in automotive bench work and the use of hand tools. The lab work consists of cutting and filing metal; assembly of tubing fittings; soldering tubing, wire splices and terminals; measuring bolts, nuts, and screws; simple sheet metal layout; drilling, tapping and threading mild steel; tapping cast iron; chassis lubrication; and oil and grease classification.

Prerequisite: None—**must be taken by all beginning Automotive Technology majors.**

AUTOMOTIVE MECHANICS 71—ELECTRICITY (4) I, II

Three hours lecture and four hours laboratory per week.

Instruction in the theory of electricity, magnetism and induction. Theory and operation of battery, starting, ignition, generating and regulation systems. Overhaul and service of all the above items in the laboratory section of the class.

Prerequisites: Auto Mech 70—**may be taken concurrently, must be taken by all beginning Automotive Technology majors.**

AUTOMOTIVE MECHANICS 72—FUEL SYSTEMS (3) I.

Two hours lecture and four hours laboratory.

Instruction in the testing of the complete fuel system, including the servicing of carburetors, fuel pumps, fuel tank, gauges and senders, fuel filters and complete overhaul of carburetors.

Prerequisite: Auto Mech. 70 and Auto Mech 71 (may be taken concurrently with Auto Mech. 70 and Auto Mech. 71).

AUTOMOTIVE MECHANICS 73—ENGINES (3) I.

Two hours lecture and six hours laboratory per week.

Instruction in the repair of automotive engines. Includes disassembly and the assembly of engines; reconditioning or replacement and fitting and adjustment of component parts.

Prerequisite: Auto Mech. 70 and Auto Mech. 71 (may be taken concurrently with Auto Mech. 70 and Auto Mech. 71.)

Students are expected to furnish an engine for the laboratory exercises by the end of the first week. Fifteen dollars should purchase an engine which meets minimum requirements. An engine which will function after being rebuilt will cost the student \$150 or more. Students should check with the instructor for his specific requirements.

AUTOMOTIVE MECHANICS 74—POWER TRAIN (3) II.

Two hours lecture and four hours laboratory per week.

Instruction in the removal, repair, replacement and adjustment of component parts of the engine coupling, transmission (Std.), overdrives, drive lines, final drives, steering theory, repair, adjustment of standard and power steering gears.

AUTOMOTIVE MECHANICS 75—BRAKES AND ALIGNMENT (3) II.

Two hours lecture and four hours laboratory per week.

Instruction in basic hydraulics, repair and reconditioning of several types of power braking systems. Instruction in alignment steering geometry and suspensions systems; power steering systems overhaul; repair and adjustment.

Prerequisite: Auto Mech. 70 and Auto Mech. 71.

AUTOMOTIVE MECHANICS 76—BASIC AUTOMATIC TRANSMISSIONS (4) I.

Three hours lecture and six hours laboratory per week.

Instruction in basic hydraulics and planetary gearing; basic operation and function of Dynaflo, Powerglide, Ford-o-matic, Ford C-4 and C-6, and Torqueflite. Repair inspection and trouble diagnosis.

Prerequisite: Auto Mech. 70, and Auto Mech. 71 and sophomore standing or permission of the instructor.

AUTOMOTIVE MECHANICS 77—ADVANCED AUTOMATIC TRANSMISSIONS (3) II.

Two hours lecture and four hours laboratory per week.

Instruction in basic theory, inspection, repair, care and maintenance of the Hydramatic and Turbo-Hydramatic transmissions

Prerequisite: Auto Mech. 76 and sophomore standing or permission of the instructor.

AUTOMOTIVE MECHANICS 78—TUNE - UP AND ADVANCED ELECTRICITY (4) II.

Three hours lecture and six hours laboratory per week.

Instruction in advanced electrical theory, related to the entire electrical system. Transistor ignition and regulation. Transistor distributor overhaul, and alternator overhaul. Tune-up and trouble-shooting of the engine and related circuits.

Prerequisite: Auto Mech. 70, Auto Mech. 71 and sophomore standing or permission of the instructor.

AUTOMOTIVE MECHANICS 79—ACCESSORIES (3) I.

Two hours lecture and four hours laboratory per week.

Instruction in all accessories on the automobile; refrigeration service, anti-Air Pollution Systems, inspection and repair; turn signals; speed controls; power seats; power windows; automatic light dimmers, door locks.

Prerequisite: Auto Mech. 70, Auto Mech. 71 and sophomore standing or permission of the instructor.

Building Trades

INDUSTRY AND TECHNOLOGY 3—HOME MAINTENANCE (1)

Two hours lecture-demonstration per week.

This course is intended to teach basic maintenance and simple repair jobs necessary around a home. Safety in work habits, use of tools, and storage of materials will be emphasized. Some of the items expected to be covered follow: a tool kit for the home, how to measure, how to saw, miscellaneous fasteners, glue and adhesives, paints and other finishing materials, electrical overloads and fuses, how to make simple electrical repairs, how to make simple plumbing repairs, maintenance of locks, patching plaster and wallboard, detecting termites. Students will be asked to bring in problems from their own home.

CARPENTRY AND MILL CABINET 49a-49b-49c-49d—SUPERVISED PRACTICE (1-3) I, II.

Selected vocational carpentry students assist and direct less advanced students under the supervision of a master carpentry instructor.

Prerequisite: "B" average in carpentry course and permission of the instructor.

BUILDING TRADES 52a-52b—DRAWING FOR BUILDING CONSTRUCTION (3-3) Yr.

Six hours lecture and laboratory per week.

A practical course in drawing for the building trades, including the fundamentals of architectural drafting, blueprint reading, details, symbols, codes, and specifications. The plans for the building trades project house are developed in this class.

B. T. 52b before B. T. 52a may be taken **only** with the permission of the instructor.

This course is required of all Building Trades (carpentry and mill cabinet) majors. Other students may be scheduled for this course only after all carpentry majors are taken care of and then only with the permission of the instructor.

BUILDING TRADES 55a-55b—ELEMENTARY CARPENTRY, TRADE RELATED INFORMATION (3-3) Yr. E

An introductory course in those phases of carpentry that can be taught in the classroom, including safety, history and background of carpentry, carpentry mathematics, pre-job planning, trade terms, and foundation and form construction.

B. T. 55b before 55a may be taken **only** with permission of the instructor.

BUILDING TRADES 56a-56b—ADVANCED CARPENTRY, TRADE RELATED INFORMATION (3-3) YR.

A continuation of 55a and 55b. This course covers a review of rough framing, exterior finish, interior finish, principles and layout of roof framing, and stair building. It is required of all regular day second year carpentry students.

B. T. 56b before 56a may be taken **only** with permission of the instructor.

BUILDING TRADES 60—CONSTRUCTION SUPERVISION AND INSPECTION (3) E.

Structural Series No. 1. A course of study designed to meet the needs of persons engaged in the supervision and inspection of buildings under construction.

Prerequisite: General knowledge and/or employment in the field of building inspection.

BUILDING TRADES 62—CONSTRUCTION SUPERVISION AND INSPECTION (3) E.

Structural Series No. 2. A continuation of Building Trades 60, the second sequence in the course of study designed to meet the needs of persons engaged in the supervision and inspection of buildings under construction, emphasizing wood, masonry and steel.

Prerequisite: Building Trades 60.

BUILDING TRADES 63—CONSTRUCTION SUPERVISION AND INSPECTION (3) E.

Structural Series No. 3. A continuation of Building Trades 60 and 62, the third sequence in the course of study designed to meet the needs of persons engaged in the supervision of buildings under construction, emphasizing the study, interpretation and analysis of the uniform building, plumbing and mechanical codes, the national electrical code, Titles 19, 21 and 24 of the State Administrative Code, and the grading of lumber materials.

Prerequisite: Building Trades 60 and 62.

BUILDING TRADES 64—CONSTRUCTION, SUPERVISION AND INSPECTION (3) E.

Structural Series No. 4. A continuation of Building Trades 60, 62 and 63, the fourth sequence in the course of study designed to meet the needs of persons engaged in the supervision of buildings under construction, emphasizing the study, interpretation and analysis of the building codes.

Prerequisite: Building Trades 60, 62 and 63.

BUILDING TRADES 67—CONSTRUCTION SUPERVISION AND INSPECTION (3) E.

Structural Series No. 5. Mechanical—a one semester series designed to meet the needs of persons engaged in the supervision and inspection of buildings under construction, emphasizing the study, interpretation, and analysis of the Building Codes. Mechanical code and general practices related to Heating and Air Conditioning.

Prerequisites: Building Trades Construction and Supervision Series or field experience in building inspection.

BUILDING TRADES 68—CONSTRUCTION SUPERVISION AND INSPECTION (3) E.

Structural Series No. 6 Plumbing—a one semester series designed to meet the needs of persons engaged in the supervision and inspection of buildings under construction emphasizing the study, interpretation of the Plumbing Codes and general practices related to plumbing.

Prerequisite: Building Trades Construction and Supervision Series or field experience in building inspection.

BUILDING TRADES 75a-75b—BASIC CARPENTRY MANIPULATIVE INSTRUCTION (5-5) YR.

For ten hours each week the student is given basic instruction in the care, use, and safety of hand and power tools, the use of the transit, and layout and construction procedures. The student is furnished the hand and power tools found in the trade and performs the work of a beginning carpenter on a project house.

B. T. 52ab, B. T. 55ab must have been taken previously or may be taken concurrently.

BUILDING TRADES 76a-76b—ADVANCED CARPENTRY MANIPULATIVE INSTRUCTION (5-5) YR.

For ten hours each week the student performs the work of an advanced carpenter on a project house built on campus, including floor, wall and roof framing, layout work and material estimating, interior-exterior finish, and hardware installation.

Prerequisites: B. T. 52ab, B. T. 55ab, and B. T. 75ab or permission of the instructor. B. T. 56ab must be taken previously or may be taken concurrently.

B. T. 76b before 76a may be taken **only** with the permission of the instructor.

BUILDING TRADES 77a-77b—ELEMENTARY MILL CABINET (2-2) Yr.

Four hours lecture and laboratory per week.

An introductory course in mill cabinet which includes safety, care and use of hand and machine tools, cabinet layouts and construction, basic milling procedure, drafting, blueprint reading, and estimating.

The course is optional to all second year carpentry day students. It may be taken by others only with the permission of the instructor.

Prerequisites: B.T. 52ab, B.T. 55ab, and B.T. 75ab. B.T. 77b before 77a may be taken only with the permission of the instructor.

COSMETOLOGY

COSMETOLOGY 50a-COSMETOLOGY (14) I, II, SUMMER

Basic scientific theory as it applies to cosmetology. Anatomy, disorders and disease of the skin, scalp and hair; physiology of skin, hair and nail; chemistry and electricity; salon management, bacteriology and sterilization. Chemical composition and correct application of shampoos; finger-waving and shaping; curl construction, including pin curling and sculpture curling; cold waving, including chemical composition of and reactions to materials used; color rinses and vegetable tints; manicuring; and basic hair cutting.

Five hours lecture and 27 hours laboratory per week.

Prerequisite: Admission to the cosmetology program.

COSMETOLOGY 50b—INTERMEDIATE COSMETOLOGY (14) I, II, Summer

Five hours lecture and 27 hours laboratory per week.

Hairstyling and introductory contest work; introduction to salon clinic, permanent hair coloring, massage and scalp treatments, intermediate permanent waving, hair shaping, hair straightening. Shaping and styling of wigs, and care of hair pieces. Training and experience as a receptionist is provided.

Prerequisite: Completion of Cosmetology 50a with a minimum average grade of "C" or by special arrangement with a director of cosmetology training.

COSMETOLOGY 50c—ADVANCED COSMETOLOGY (14) I, II, Summer

Five hours lecture and 27 hours laboratory per week.

Senior hair styling, contest work, experience in the salon clinic doing shampooing, hair shaping, manicuring, permanent waving, hair colorings, giving facials and scalp treatments. Salesmanship is learned through actual practice. Students also serve as receptionists in the college salon. Advanced theory and 127 hours of State Board preparatory testing are included.

Prerequisite: Completion of Cosmetology 50a and 50b with a minimum average grade of "C".

Electronics Technology

ELECTRONICS 49a-49b-49c-49d—SUPERVISED PRACTICE (1-3) I, II.

Selected Electronics or Industrial Arts Education majors assist and direct less advanced students under the supervision of a master electronics instructor.

Prerequisite: "B" average in college electronics major course and permission of the instructor.

ELECTRONICS 57a-57b—BASIC ELECTRONICS—TRADE RELATED INFORMATION (7-7) Yr.

Fifteen hours combined lecture and laboratory per week.

A basic course in the fundamentals of electricity and electronics consisting of theory of electric current, circuits, devices for direct current and alternating current.

Prerequisites: Two years of high school algebra and geometry or Math 51, Math 52 and Math 53 or permission of the instructor.

ELECTRONICS 58a-58b—ADVANCED ELECTRONICS—TRADE RELATED INFORMATION (7-7) Yr.

Fifteen hours combined lecture and laboratory per week.

A course in the theory of diodes, tubes, transistors, receivers, transmitters and test instruments, including preparation for Federal Communications Commission Radiotelephone Second Class Operator License Examination.

Prerequisite: Electronics 57a-57b or permission of the instructor.

ELECTRONICS 60a-60b—FUNDAMENTALS OF ELECTRONICS (2-2) Yr, E.

The theory and practical application of electric circuitry. Four hours per week, lecture and laboratory.

ELECTRONICS 61a-61b— BASIC ELECTRONICS (2-2) Yr, E.

Transistors, vacuum tubes, basic circuits. Four hours per week, lecture and laboratory.

Prerequisite: Electronics 60a-60b or permission of instructor.

ELECTRONICS 62a-62b—BASIC TELEVISION (2-2) Yr, E.

Fundamentals of black and white and color circuitry and servicing. Four hours per week, lecture and laboratory.

Prerequisite: Electronics 61a-61b or permission of instructor.

ELECTRONICS 63a-63b—ADVANCED TELEVISION (2-2) Yr. E.

Advanced television servicing techniques, including color receivers, fundamentals of color television, circuitry and servicing. Four hours per week, lecture and laboratory.

Prerequisite: Electronics 62a-62b or permission of instructor.

ELECTRONICS 75a-75b—RADIO COMMUNICATIONS, Licensing (4-4) Yr. E.

Radio theory and operation designed to assist persons employed in the electronic fields to prepare for FCC commercial license.

Prerequisite: Electronics 60a-60b or equivalent experience and permission of instructor. Electronics 75a is a prerequisite to Electronics 75b.

Metal Technology and Welding Technology

INDUSTRY AND TECHNOLOGY 6a-6b—BASIC WELDING (3-3) Yr. E.

One hour lecture and five hours laboratory per week.

Oxy-acetylene welding; oxy-acetylene cutting, manual and automatic; metallic arc welding. The study of metal properties and the identification of metals. All processes studied in theory and practice.

Industry & Technology 6a is a prerequisite to Industry & Technology 6b.

Not open to students who have taken I.A. 6a-6b.

INDUSTRY AND TECHNOLOGY 7a-7b—ADVANCED WELDING (3-3) Yr.

One hour lecture and five hours laboratory per week.

Advanced oxy-acetylene welding; metallic arc welding, tungsten inert gas (T.I.G.) welding, metal inert gas (M.I.B.) welding, metal surfacing, automatic welding and cutting, fusion welding cast iron. All brazing processes on ferrous and non-ferrous alloys. All processes studied in theory and practice.

Prerequisite: Industry and Technology 6b.

INDUSTRY AND TECHNOLOGY 10a-10b-10c-10d—MACHINE SHOP

(3-3-3-3) I, II, Yr. E.

Study of materials, supplies, tools and equipment. Project construction involving layout, setup, and operation of jobs on lathes, drill presses, grinders, milling machines and shapers.

Not open to students who have taken 1.A. 10-a-10b-10c-10d.

INDUSTRY & TECHNOLOGY 40a-40b—GENERAL METALWORKING

(3-3) Yr. E.

One hour lecture and four hours laboratory per week.

An introductory course covering the study of materials, processes, tools, and machines in the general metal field. Project construction on layout, bench-work, foundry, heat treating, sheet metal, and machine shop.

Not open to students who have taken 1.A. 40a-40b.

ELEMENTARY MECHANICS 49a-49b—SUPERVISED PRACTICE (2) I, II.

Selected metal shop majors to assist and direct less advanced students under the supervision of the metal shop instructor.

Prerequisites: A "B" average in I & T 40a and 40b or I.A. 40a and permission of the instructor.

MACHINE SHOP 49a-49b—SUPERVISED PRACTICE (2) I, II.

Selected metal shop majors to assist and direct less advanced students under the supervision of the metal shop instructor.

Prerequisites: A "B" average in I & T 10a and 10b or I.A. 10a and 10b and permission of the instructor.

WELDING TECHNOLOGY 49a-49b—SUPERVISED PRACTICE (1-3) I, II.

Selected welding technology or Industrial Arts Education majors to assist a certificated instructor with less advanced students.

Prerequisite: A "B" average in college. Student must have completed a semester of the welding technology program or equivalent trade experience. Permission of the instructor is required.

INDUSTRY AND TECHNOLOGY 51a-51b—METAL TECHNOLOGY

DRAWING (3-3) Yr.

Five hours per week.

Basic techniques of mechanical drawing including freehand sketching, orthographic projection, use of measuring devices, and geometric construction. Intended for those students who did not take mechanical drawing in high school. Drawings of machines, tools, fastenings, cams and gears.

INDUSTRY AND TECHNOLOGY 61—AUTOMOTIVE WELDING (2) I, II, E.

Three class hours per week.

Oxy-acetylene welding, oxy-acetylene cutting, brazing of ferrous alloys, metallic arc welding. All processes studied in theory and practice for automotive students.

Not open to students who have or are working for credit in any other welding courses listed in this catalog.

INDUSTRY AND TECHNOLOGY 62a-62b—WELDING (2-2) Yr. E.

Lecture and laboratory, four hours per week.

The study of metals and identification of metals and laboratory instruction on oxy-acetylene welding, oxy-acetylene cutting, metallic arc welding, and all brazing processes on ferrous and non-ferrous alloys. Special instruction is also available on the T.I.G. and M.I.G. processes. I & T 62b before 62a may be taken only with the permission of the instructor.

Fire Technology

FIRE SCIENCE 51—INTRODUCTION TO FIRE SUPPRESSION (3) E.

The first segment of the standard fire-training curriculum, a consideration of the following topics; fire suppression organization; fire suppression equipment; characteristic and behaviour of fire; fire-hazard properties of ordinary materials; building design and construction; extinguishing agents; basic fire-fighting tactics; and public relations.

FIRE SCIENCE 52—FIRE APPARATUS AND EQUIPMENT (3) E.

The second sequence in the standard fire training curriculum, this course covers fire apparatus and fire department vehicles. Included are driving laws and driving techniques and the construction, operation and maintenance of all kinds of fire apparatus—pumping engines, ladder trucks, aerial platforms and specialized equipment.

Prerequisite: Fire Science 51, or equivalent training and experience.

FIRE SCIENCE 53—FIRE INVESTIGATION (3) E.

The third course in the standard fire technology program, including introduction to arson and incendiarism, arson laws and types of incendiary fires; methods of determining fire causes, recognizing and preserving evidence, interviewing and detaining witnesses; procedures in handling juveniles; court procedure and giving testimony.

Prerequisite: Fire Science 51 and 52, and permanent membership in agency.

FIRE SCIENCE 54—BASIC MATHEMATICS AND SCIENCE (3) E.

A review of basic mathematics and science, with emphasis on their application to fire hydraulics. To provide the student of fire technology the practical means of handling the mathematical solutions required in hydraulics and the elementary scientific principles prerequisite to an understanding of hydraulics.

FIRE SCIENCE 55—BASIC CHEMISTRY FOR FIRE SCIENCE (3) E.

A lecture-demonstration in basic chemistry designed as either a prerequisite or a preparation for the Fire Science courses in Hazardous Materials. This course will not satisfy General Education requirements for transfer students.

FIRE SCIENCE 56—FIRE SERVICE HYDRAULICS (3) E.

The theory of water at rest and in motion; engineering principles of formulas and mental calculations to hydraulic problems; Underwriters' requirements for pumps.

FIRE SCIENCE 57—PUBLIC RELATIONS (3) E.

A class in Public Relations for fire service personnel. The course will include background, obligation to public, PR during emergencies, general appearances, and media and techniques. Applicable toward Fire Technology major and Associate in Arts degree.

Refrigeration

REFRIGERATION 60a—FUNDAMENTALS OF AIR CONDITIONING AND REFRIGERATION (2) E.

An introductory course designed to provide an understanding of refrigeration systems as illustrated in the classroom and the laboratory. The testing, repairing, installation and start-up of refrigeration and air conditioning units are demonstrated.

REFRIGERATION 60b—FUNDAMENTALS OF AIR CONDITIONING AND REFRIGERATION (2) E.

A continuation of Refrigeration 60a, encompassing the servicing, testing, checking, repairing, installation and start-up of refrigeration and air conditioning equipment.

Prerequisite: Refrigeration 60a or the equivalent.

REFRIGERATION 61—SHOP PRACTICES AND TECHNIQUES (2) E.

Procedures in installing refrigerant lines, silver brazing of refrigerant joints, techniques of leak testing, evacuation procedure, general service techniques.

Prerequisite: Refrigeration 60a-60b.

REGISTERED NURSING

NURSING I (5) II.

Two hours lecture and nine hours laboratory per week.

A study of the elements of patient care. Introduction to nursing concepts; emphasizing human needs related to communication, safety and comfort, and mobility.

NURSING 2 (9) I.

Three hours lecture and eighteen laboratory hours per week.

A study of the patient's nursing problems (primarily centered around those related to nutrition, fluid and electrolyte balance, and elimination).

Prerequisites: Nursing I, Anatomy I, Psych 1a, and English 1a.

NURSING 3 (9) II.

Three hours lecture and eighteen laboratory hours per week.

A study of the patient's nursing problems (primarily centered around those related to safety and comfort including freedom and bacterial invasion, exchange of gas needs, and needs related to sexual expression including anti-partial care, labor support, delivery, post partum, immediate care of new born, adolescent with Venereal disease, teen pregnancy, infertility).

Prerequisites: Nursing 1 & 2, Physiology 1a & 1c, Anatomy I, Bacteriology 2, Psych 1a, English 1a.

NURSING 4 (10) I.

Three hours lecture and twenty-one laboratory hours per week.

Nursing for patients with physical and mental illnesses. Included a study of the patients nursing problems (primarily centered around those related to regulatory mechanism, mobility, selected needs of critically ill and dying patient, needs of those with a severe personality disintegration. Nursing in relation to the needs of a group of patients).

Prerequisite: Nursing 1, 2 & 3, Physiology 1a & 1c, Anatomy 1, Bacteriology 2, Psych 1a, English 1a, Sociology 1a.

Vocational Nursing

VOCATIONAL NURSING 50-51-52—VOCATIONAL NURSING (17-14-14) II, I, II.

Theory and practice of nursing, vocational relationships, medical and surgical principles, maternal and child care, and clinical experiences in those areas at hospitals within the college district, leading to the development of those abilities and skills necessary to provide interpersonal, technical and manual nursing services under the supervision of a registered nurse or licensed physician.

Upon satisfactory completion of this course, a certificate is awarded. The college then certifies the student to take the state board examination to obtain licensure in California as a vocational nurse.

The program consists of three semesters of eighteen weeks each. A week consists of eight hours of classroom and twenty-four hours of clinical instruction.

1. **FIRST SEMESTER (17 units)**

VN 50a—FUNDAMENTALS OF NURSING (5)

Basic nursing skills and principles applicable to all patients. Included are normal hygiene practices, health services and resources, observation and reporting techniques, interpersonal relationships stressing mental health, daily living of the individual and direct patient care.

VN 50b—MEDICAL AND SURGICAL NURSING I (6)

Combined class and ward experience in the following areas: introduction to the body systems; maturation, growth and development; disease processes; nursing care of conditions of the nine body systems, including rehabilitation; causes and manifestations of disease; medication for disease conditions; health service needs of patients with short- or long-term illnesses; daily needs of patients with specific disease conditions; purpose and effects of medical care, including diet; and assisting with complex nursing care.

VN 50c—MEDICAL AND SURGICAL NURSING LAB I (3)

Clinical assignments and experiences in the cooperating hospitals in the following ward areas: admitting room and clinic; pediatric ward, convalescent and geriatric wards, obstetrical wards; medical wards; surgical wards. Further clinical experience may be available to some students in the following special areas: central supply and recovery or emergency room, intensive care unit.

VN 50d—OBSTETRICS, INFANT CARE AND PEDIATRICS LAB I (3)

Daily needs during pregnancy and postpartum; daily needs of the infant, health services during pregnancy and delivery; clinical health services for infant care; nursing care for the mother, infant and child.

2. **SECOND SEMESTER: (14 units)**

(Prerequisite: VN 50 sequence)

VN 51a—MEDICAL AND SURGICAL NURSING II (4)

(Continuation of VN 50b)

VN 51b—MEDICAL AND SURGICAL NURSING LAB II (4)

(Continuation of VN 50c)

VN 51c—OBSTETRICS, INFANT CARE AND PEDIATRICS LAB II (3)

(Continuation of VN 50d)

VN 51d—OBSTETRICS, INFANT CARE AND PEDIATRICS I (3)

(Continuation of VN 50d)

3. **THIRD SEMESTER: (14 units)**

(Prerequisite: VN 50 and 51 sequence)

VN 52a—MEDICAL AND SURGICAL NURSING III (4)

(Continuation of VN 50b and VN 51a)

VN 52b—MEDICAL AND SURGICAL NURSING LAB III (7)

(Continuation of VN 50c and 51b)

VN 52c—OBSTETRICS, INFANT CARE AND PEDIATRICS LAB III (3)

(Continuation of VN 50d, 51c, and 51d)

DIVISION OF LANGUAGE ARTS AND COMMUNICATION

English

ENGLISH 1a—FIRST-YEAR READING AND COMPOSITION (3) I, II, E.

This course is designed to provide training in intelligent interpretation and in correct and effective expression, oral and written, through analysis and discussion of expository types of literature, especially the essay and biography, and the writing of themes. Organization of material, clarity and directness of style, and idiomatic correctness are stressed. Experience in the preparation of a formal research paper is included.

Prerequisite: An acceptable score on the aptitude test or a grade of "C" or better in English 51, English 52, or Business 96a.

ENGLISH 1b—FIRST-YEAR READING, COMPOSITION, AND LITERATURE (3) I, II, E.

The purpose of this course is to improve the student's powers of analysis and expression, and to cultivate his appreciation of literary values through a critical study of selected plays, poems, short stories and a novel. Oral discussion and written compositions are continued.

Prerequisite: English 1a.

ENGLISH 4a-4b—MASTERPIECES OF LITERATURE – THE ENGLISH NOVEL (3-3) Yr.

This course covers the history and development of the English novel from the eighteenth to the twentieth century. Emphasis is placed on the social as well as the aesthetic aspects of the works. Representative novels are read and discussed each semester.

Prerequisite: English 1a.

ENGLISH 5—HISTORY OF ENGLISH LITERATURE (3) I.

English literary history as revealed through an intensive study of major authors and their typical masterworks. Representative selections from Beowulf to the period of the Restoration and their background in the culture. (Formerly English 5a).

Prerequisite: English 1a; and English 1b or consent of instructor.

ENGLISH 6—HISTORY OF ENGLISH LITERATURE (3) II.

Complementary course to English 5. Representative selections from the early eighteenth century to the present and their background in the culture. (Formerly English 5b).

Prerequisite: English 1a; and English 1b or consent of instructor.

English 5 is not requisite to English 6. The year sequence is strongly recommended as a sophomore-level course to speech, drama, English, journalism and liberal-arts majors, and as a general education course in the humanities.

ENGLISH 14—CREATIVE WRITING (2) I, E.

A course in which emphasis is placed upon writing with imagination and skill. Class members are encouraged to choose an area such as verse, short story or drama in which to specialize. Fellow students, as well as the instructor, will criticize written work. Students will make oral or written reports pertaining not only to writing problems but also to such fields as marketing and editing.

ENGLISH 15—CREATIVE WRITING (2) II, E.

A continuation of English 14, offered to all students interested in creative writing. Professional standards of writing receive special emphasis.

Prerequisite: English 1a or permission of the instructor.

ENGLISH 30—AMERICAN LITERATURE (3) I, E.

A broad, general, chronological survey of the literature of the United States and a study and analysis of major literary works. This segment of the course considers colonial literature, the literature of the early republic, the American Renaissance and the literature of the Civil War years.

Prerequisite: English 1a.

ENGLISH 31—AMERICAN LITERATURE (3) II, E.

Complementary course to English 30. This segment treats the literature of the post-Civil War era, of the rise and flowering of Realism, of the era between the two world wars, and of the post-World War II period.

Prerequisite: English 1a

English 30 is not requisite to English 31. The year sequence or either segment is strongly recommended as a general education course in the humanities.

ENGLISH 44—WORLD LITERATURE (3) I, E.

A chronological, comprehensive survey of the literary heritage of the world, emphasizing the historical and social milieus as they are reflected in the literature of a particular period, and including a study and analysis of selected works from representative writers and civilizations or nations. This segment of the course covers the contributions of the ancient East, classical Greece and Rome, and Europe from the medieval period to the Renaissance-Reformation.

Prerequisite: English 1a.

ENGLISH 45—WORLD LITERATURE (3) II, E.

Complementary course to English 44. This segment considers the literary movements of Neo-Classicism, Romanticism, Realism, Naturalism, Expressionism and Existentialism, and the impact of the Enlightenment, the rise of democracy and the democratic spirit, and the evolution of science and scientific thought upon the literature of the world.

Prerequisite: English 1a.

English 44 is not requisite to English 45. The year sequence or either segment is highly recommended as a general education course in the humanities.

ENGLISH 46—SHAKESPEARE (3) II.

An introduction to Shakespeare, the man, the plays, the other poetry, the sources, the background, the language and the age, with emphasis upon the reading of approximately a dozen of Shakespeare's plays, divided among the comedies, histories and tragedies.

Prerequisite: English 1a.

ENGLISH 50—PRACTICAL ENGLISH (3) E.

A basic course in developing English skills, emphasizing mechanics, spelling, and practical writing of sentences and paragraphs. A collection of stories is used as a tool in understanding structure and analysis of the short story. Writing units related to the reading assignments and the student's needs are included.

A prerequisite for English 51 for those students who fail to attain the necessary score for placement in English 51. It may be used as a terminal course which partially fulfills the English requirement for those who do not plan to transfer.

ENGLISH 51—GRAMMAR AND COMPOSITION (3) I, II, E.

A general course including drills in mechanics, diction, grammar, punctuation, spelling and practice in writing sentences, paragraphs and themes. Also stressed are the careful reading and interpretation of fiction and non-fiction as a basis for the writing of compositions.

Intended primarily for those students who fall below the median score in the English placement test. Some colleges allow partial transfer credit for this course; however; no credit is granted by many four-year institutions.

Prerequisite: An acceptable score on the aptitude test or grade of "C" or better in Eng. 60.

ENGLISH 52—ESSENTIALS IN READING AND WRITING (3) I.

This course is planned for the student who has failed to qualify in English 51 for English 1A. Basic reading and writing skills are stressed.

ENGLISH 53—READING FOR PLEASURE (3)

This course is recommended for those students who will conclude their formal education in the junior college. Students read stories, plays, and poems for informal class discussion. Not open to students who have taken English 1b.

ENGLISH 54—READING BETTER AND FASTER (3)

A developmental course in the skills of reading. After an evaluation of reading problems, each student is started on an individual multi-level program of improvement. Improvement in word attack, comprehension, vocabulary and rate of reading are the primary aims of the course. Improvement of study-habit skills is stressed also.

ENGLISH 60—COMMUNICATIONS (6) I, II

A basic communications course for the vocational student expressly designed to promote and build developmental skills in reading, comprehension and writing. Attention will be directed to such essentials as rate of reading, vocabulary, spelling and written expression in the communication of ideas, in order for the student to acquire useful language habits.

Fulfills the six-unit requirement for graduation.

ENGLISH 64—READING FASTER (2) E.

This course is designed to meet the needs of business and professional people who wish to increase their rate and comprehension in reading. Improvement in comprehension, vocabulary and rate of reading are the major aims of the class. It is not remedial in nature.

ENGLISH 65—BASIC ENGLISH (3) E.

A review of English fundamentals and basic language skills to assist the student in acquiring a practical use of the language and in improving his written expression, and to provide for the learning and reinforcement of the mechanics of grammar and practical experience in simple report writing.

Intended primarily for fire and other public agency personnel.

Foreign Languages

The 1 and 3 level foreign language courses are offered only in the fall semester; 2 and 4 level courses are offered only in the spring semester.

FRENCH I—ELEMENTARY FRENCH (4) I.

A course committed to the use of French as the medium of expression and to the multiple approach system with respect to the four skills of understanding, speaking, writing and reading.

Corresponds to the first two years of high-school French.

FRENCH 2—(4) II.

Continuation of French I with emphasis on written translation.

Prerequisite: French I or two years of high-school French; a placement test may be required.

FRENCH 3—INTERMEDIATE FRENCH (4) I.

Continuation of French 2 with emphasis on oral fluency and written translations, deductive grammar, and passive knowledge of the finer points of grammar and style.

Prerequisite: French 2 or three years of high-school French; a placement test may be required.

FRENCH 4—(4) II.

Continuation of French 3. Readings and oral discussion in the language of short stories and extracts from the literature.

Prerequisite: French 3 or four years of high-school French; a placement test may be required.

FRENCH 51a-51b—(2-2) E.

First year terminal conversational French.

FRENCH 52a-52b—(2-2) E

Second year terminal conversational French.

GERMAN I—ELEMENTARY GERMAN (4) I.

Phonics, patterns of sentence structure and syntax, conversation and reading. Corresponds to first two years of high-school German.

GERMAN 2—(4) II.

Continuation of German I.

Prerequisite: German I or consent of instructor; a placement test may be required.

GERMAN 3—INTERMEDIATE GERMAN (4) I.

Advanced conversation, extensive reading, composition, review of patterns of structure and syntax..

Prerequisite: German 2 or consent of instructor; a placement test may be required.

GERMAN 4—(4) II.

Continuation of German 3.

Prerequisite: German 3 or consent of instructor; a placement test may be required.

GERMAN 51a-51b—(2-2) E.

First year conversational German.

GERMAN 52a-52b—(2-2) E.

Second year terminal conversational German.

SPANISH I—ELEMENTARY SPANISH (4) I.

Basic aural and oral Spanish language structure; reading and writing; Latin-American life.

SPANISH 2—(4) II.

Continuation of Spanish I.

Prerequisite: Spanish I or two years of high-school Spanish; a placement test may be required.

SPANISH 3—INTERMEDIATE SPANISH (4) I.

Aural, oral and written Spanish language structure and review; reading in Spanish or Latin-American life and literature.

Prerequisite: Spanish 2 or three years of high-school Spanish; a placement test may be required.

SPANISH 4—(4) II.

Continuation of Spanish 3.

Prerequisite: Spanish 3 or four years of high-school Spanish; a placement test may be required.

SPANISH 51a-51b—(2-2) E.

First year terminal conversational Spanish.

SPANISH 52a-52b—(2-2) E.

Second year terminal conversational Spanish.

Journalism

JOURNALISM 2—ELEMENTARY JOURNALISM (3) I, II.

A basic journalism course in reporting, general news writing, and editing of publications, especially newspapers. Students will learn to cover news-worthy events, prepare copy, copyread, proofread, write headlines and prepare page layouts. In addition, Journalism 2 covers newspaper style and ethics.

Prerequisite: A satisfactory score to the English placement test or previous newspaper experience (high-school, or college or professional). Students in Journalism 2 are **required** to assist with the production of THE CAMPUS, the weekly college newspaper, as part of their practical training.

JOURNALISM 3—NEWSPAPER PRODUCTION (2) I, II.

A laboratory course in practical journalism. Includes work in news writing, specialized writing (features, sports, columns, reviews), copy editing, page makeup and general editorial supervision. Students in Journalism 3 assist in the production of THE CAMPUS, the weekly college newspaper.

Prerequisite: Journalism 2 or permission of the instructor.

JOURNALISM 4—ADVANCED REPORTING AND EDITING (2) I, II.

A laboratory course for students who have completed both Journalism 2 and Journalism 3. Designed for advanced students in editing positions in college publications, especially the weekly newspaper. Also includes work in special publicity and promotional projects, sports publicity and as campus correspondents for nearby newspapers.

Prerequisites: Journalism 2 and Journalism 3

JOURNALISM 5a-5b-5c-5d—YEARBOOK PRODUCTION (1-1-1-1) I, II.

Practical work on the yearbook and other student publications. Design, layout, composition, dummy copy writing, advertising, financing art and photography.

No prerequisite; however, previous publications work is preferred.

JOURNALISM 7—MASS COMMUNICATIONS (3) I, II.

A survey course covering all media of mass communications—newspapers, radio, television, magazines, book publishing, films, others—their strengths and weaknesses, and the major challenges they present to our free society, such as censorship, sensationalism, pornography, propaganda and monopoly. Extensive use of audio-visual materials and guest speakers. (Also cross-titled as Political Science 6).

No prerequisites. Students are **not** required to work on campus publications.

Philosophy

PHILOSOPHY 6a-6b—INTRODUCTION TO PHILOSOPHY (3-3) Yr.

This course in philosophy is presented by types or typical world views. It attacks fundamental problems by acquainting the student with representative thinkers and major philosophical systems, and is designed to make the subject as practical as possible.

Prerequisite: Eng. 1a or permission of instructor; Philos. 6a is prerequisite to Philos. 6b.

Photography

PHOTOGRAPHY 1a—BASIC PHOTOGRAPHY (3) I, II.

Two hours lecture and three hours laboratory a week.

Theory and practice of photography.

Basic knowledge and skill in the use of photographic chemicals and equipment while photographing a variety of technical and artistic subjects.

PHOTOGRAPHY 2a-2b-2c—ADVANCED PHOTOGRAPHY LABORATORY (1-1-1) I, II

A three-hour laboratory course designed to acquaint students with some of the more advanced techniques of the photographic processes.

Prerequisite: Photography 1a.

PHOTOGRAPHY 51—ELEMENTARY PHOTOGRAPHY (1) E.

A lecture course designed to give knowledge of the fundamentals of the photographic process.

PHOTOGRAPHY 52—ELEMENTARY PHOTOGRAPHY (1) E.

A two-hour laboratory course to acquaint the student with the fundamental techniques of the photographic process.

Prerequisite: To be taken concurrently with Photography 51 or with the instructor's permission.

Registration is limited to one semester.

PHOTOGRAPHY 60—VOCATIONAL PHOTOGRAPHY (2) I, II.

A lecture, demonstration and laboratory course broadly designed to acquaint the student with the application and uses of photography in the fields of police science, business, art, journalism, public relations, and the industrial and technical arts. Developmental skills in the use of photographic equipment and processes and darkroom techniques are included as well as projects in student's major field.

Lecture one hour, two hours laboratory per week.

DIVISION OF PHYSICAL EDUCATION, HEALTH AND ATHLETICS

Physical Education

PHYSICAL EDUCATION—GENERAL ACTIVITY (½ each) I, II

- Physical Education 1a-1b—Archery.
 - Physical Education 2a-2b—Badminton.
 - Physical Education 3a-3b—Bowling.
 - Physical Education 4a-4b—Boxing.
 - Physical Education 5a-5b—Folk and Square Dance.
 - Physical Education 6a-6b-6c-6d—Modern Dance.
 - Physical Education 7a-7b—Social Dance.
 - Physical Education 8a-8b-8c-8d—Golf.
 - Physical Education 9a-9b—Swimming.
 - Physical Education 10a-10b-10c-10d—Tennis.
 - Physical Education 11a-11b—Tumbling.
 - Physical Education 12a-12b—Weight Lifting.
 - Physical Education 12wr—Weight Lifting for Weight Reduction
 - Physical Education 13a-13b-13c-13d—Wrestling
 - Physical Education 14a-14b—Cross Country.
 - Physical Education 15a-15b-15c-15d—General Activities—Not Listed.
 - Physical Education 16a-16b—Choreography. (Prereq: P.E. 6a)
 - Physical Education 17a-17b—Physical Fitness for Men*.
 - Physical Education 18a-18b-18c-18d—Police Defense (Police Science Majors only).
 - Physical Education 19a-19b—Postural Development for Women.
 - Physical Education 20a-20b—Physical Fitness for Women (E).
 - Physical Education 21a-21b—Trampoline and Diving.
 - Physical Education 22a-22b—Special Competitive Tennis (1-1) I.
 - Physical Education 23a-23b—Handball.
 - Physical Education 24a-24b—Volleyball.
 - Physical Education 25a-25b—Acrobatics.
 - Physical Education 26a-26b—Softball.
 - Physical Education 27a-27b—Advanced Aquatics
 - Physical Education 28a-28b—Ice Skating
- * Freshman/first-year requirement.

No physical education activity course should be repeated. An advanced course is offered to the fourth-semester student.

PHYSICAL EDUCATION 30c—ORIENTATION IN PHYSICAL EDUCATION (2)II.

Designed to introduce physical education majors to the meaning of rhythm and its importance to modern, folk, square and social dances.

Lecture—Laboratory

PHYSICAL EDUCATION 31c—FUNDAMENTALS OF BADMINTON (1) 1.

Limited to physical education majors. Badminton skills, strategy, and rules.

PHYSICAL EDUCATION 32c—FOLK, SQUARE AND SOCIAL DANCE

(Formerly PE 45d) (1) II.

For men and women physical education majors. Elementary skills and leadership in folk, square, and social dance.

PHYSICAL EDUCATION 33c—FUNDAMENTALS OF TENNIS (1) II.

For men and women physical education majors and minors. Skills, techniques, strategy, history, and official rules of tennis.

PHYSICAL EDUCATION 34w—FUNDAMENTALS OF TEAM SPORTS (1) I.

Practical theory course of advanced techniques, skills and official rules of team sports. Volleyball, basketball, field hockey, and softball for women physical education majors and minors.

One hour lecture, three hours laboratory.

Prerequisite: Physical education major or minor or by permission of instructor.

PHYSICAL EDUCATION 35—LIFE SAVING AND WATER SAFETY (1) E.

Lecture-laboratory. Advanced skills, life saving, and water safety including the opportunity to qualify for the American Red Cross Senior Life Saving Certificate.

Prerequisite: Satisfactory completion of Physical Education 9a or permission of instructor.

PHYSICAL EDUCATION 36—WATER SAFETY INSTRUCTORS' COURSE

(2) E.

Lecture and laboratory. Review of Senior Life Saving, swimming skills and water safety with the opportunity to qualify for the American Red Cross Water Safety Instructor's Certificate. Techniques, material and methods of teaching included,

Prerequisite: Current Senior Life Saving Certificate and Standard First Aid Card. (Hygiene 3 may be taken concurrently.)

PHYSICAL EDUCATION 37c—GOLF (1) II.

Limited to Physical Education majors - Golf skills, strategy and rules.

PHYSICAL EDUCATION 38c—FUNDAMENTALS OF AQUATICS (2) II.

For men and women physical education majors. Analysis of swimming strokes, diving, life saving, and water games. Techniques of coaching, officiating, planning meets, pool maintenance, and synchronized swimming. Lecture and lab.

Prerequisite: Physical Education 91 or intermediate skill.

PHYSICAL EDUCATION 39w—FIELD SPORTS (1) II.

For women Physical Education majors and minors. Skills, techniques, strategy, and official rules of Soccer, Field Hockey, and Softball.

PHYSICAL EDUCATION 40c—ARCHERY (1) I.

For men and women Physical Education majors and minors. Skills, techniques and official rules of target archery and field archery.

PHYSICAL EDUCATION 41w—FUNDAMENTALS OF MODERN DANCE

(2) I.

Designed to introduce physical education majors to the history and fundamentals of modern dance. Lecture and Laboratory.

PHYSICAL EDUCATION 70—PRINCIPLES OF OFFICIATING (2) E.

Rules, advanced skills and officiating techniques for track, water polo swimming, wrestling, baseball, basketball and football. Intended primarily for those in the community involved in officiating for high schools, colleges and the recreation departments or elementary school programs, and for physical education or recreation majors.

Inter Collegiate Activities

The 50 and 60 courses are for students who excel in athletic ability and wish to participate in the inter-collegiate program competing against other junior colleges. These students participating in this program are also expected to work toward demonstrating minimum ability in at least one activity in any one of the several recreational groups which is not a duplicate of their team activities. Students intending to enter this program are advised to plan their regular schedule to include a minimum of ten hours per week during the seasons of each competitive sport entered.

Physical Education 50a-50b—Varsity Football (1-1).

Physical Education 51a-51b-51c-51d—Varsity Basketball (1-1-1-1) I, II.

Physical Education 52a-52b—Varsity Baseball— (1-1) II.

Physical Education 53a-53b—Varsity Track (1-1) II.

Physical Education 54a-54b—Varsity Tennis (1-1) II.

Physical Education 55a-55b—Varsity Swimming (1-1) II.

Physical Education 56a-56b—Varsity Boxing (1-1) II.

Physical Education 57a-57b—Varsity Golf (1-1) II.

Physical Education 58a-58b—Varsity Cross Country (1-1) I.

Physical Education 59a-59b—Varsity Wrestling (1-1) II.

Physical Education 60a-60b—Varsity Waterpolo (1-1) I.

Physical Education 65a-65b-65c-65d—Special Sports Activity (N/C) I, II.

A course in connection with any intercollegiate sports activity as determined and required by the coach (or any of his assistants) if further instruction and practice beyond that which is normally covered during the regular class schedule are deemed necessary for the student in order to develop maximum athletic proficiency through advanced techniques, strategy, skills, rules, and team plays.

HYGIENE

HYGIENE I—PERSONAL AND COMMUNITY HYGIENE (2) I, II, E.

A general course including the facts necessary for intelligent maintenance of physical and mental health and a scientific discussion of the effects of narcotics and alcohol. Interpretation of life processes; a study of the principal body systems and of the hygiene and first aid associated with each; includes fire prevention. Fulfill state requirements.

HYGIENE 3—RED CROSS FIRST AID (1) I, II, E.

The American Red Cross standard first aid course which includes fire prevention. Law enforcement trainees are given additional laboratory work in emergency childbirth procedures.

DIVISION OF SCIENCE, MATHEMATICS AND ENGINEERING

ARCHITECTURE AND ARCHITECTURAL ENGINEERING

ARCHITECTURE 1a—INTRODUCTION TO ARCHITECTURAL DESIGN (2) I.

Familiarization with the professional fields of architecture, engineering, and city planning. Introduction to design process and development as a basis of architectural analysis. One lecture and three laboratory hours per week.

Prerequisite: Mechanical drawing.

ARCHITECTURE 1b—INTRODUCTION TO ARCHITECTURAL DESIGN (2) II.

Continuation of Architecture 1a, stressing critical evaluations of man's environment. A study of visual phenomena with application to elementary composition, dealing with line, area, color and materials. One lecture and three laboratory hours per week.

Prerequisite: Arch 1a.

ARCHITECTURE 1c-1d—BASIC DESIGN (3-3) Yr.

The second-year sequence in architectural design, stressing the continuing development of design skills by means of special studies in spatial relationships of increasing architectural complexity such as circulation, flow and human needs.

Prerequisites: Arch. 1a-1b and Arch 2a-2b.

ARCHITECTURE 2a—INTRODUCTION TO ARCHITECTURAL DRAWING AND PERSPECTIVES (3) I.

Basic techniques used in graphic communication. Orthographic and isometric projection. Mechanical perspective, shades and shadows. Two lectures and four laboratory hours per week.

Prerequisite: Mechanical drawing and plane geometry.

ARCHITECTURE 2b—DELINEATION (3) II.

Three-dimensional representations with various drawing media which will enable the student to express his architectural ideas. Two lectures and four laboratory hours per week.

Prerequisite: Arch 2a.

ARCHITECTURE 6a—MATERIALS OF CONSTRUCTION (2) I.

The use and application of building materials, and the structural makeup of buildings. Two lecture hours per week.

ARCHITECTURE 6b-6c—STRENGTH OF MATERIALS (2-2) Yr.

Physical properties of construction materials. Moment and shear diagrams, axial eccentric loading, and deflection. Sizing of structural members of homogeneous and compound materials. Two lecture hours per week.

Prerequisite: Math. 1a, Physics 4a (2a-2b).

ARCHITECTURE 31—WOODFRAME CONSTRUCTION (2) II.

Using architectural practices in plan, elevation and section, while developing a set of plans for a residence. One lecture and three laboratory hours per week.

Prerequisite: Arch 2a, Arch 6a.

ARCHITECTURE 32—HEAVY WOOD-FRAME CONSTRUCTION (2) I.

Construction techniques and working drawings for heavy wood-frame structures. Theory and application of laws and codes affecting buildings. Cost-estimating procedures. One lecture and three laboratory hours per week.

Prerequisite: Arch. 31.

ARCHITECTURE 33—STEEL-FRAME CONSTRUCTION (2) II.

Construction, techniques and working drawings for steel-frame structures. Theory and application of laws and codes affecting buildings. One lecture and three laboratory hours per week.

Prerequisite: Arch 32.

ARCHITECTURE 40—FREEHAND DRAWING (1) I.

An introduction to basic principles of graphic representation; studio practice emphasizes fundamentals of drawing and pictorial organization in dark and light. Use of pencil, pen-brush and ink, charcoal, and scratchboard techniques. One lecture and one laboratory hour per week.

ENGINEERING

ENGINEERING 1a-1b—SURVEYING (3-3) Yr. (Discontinued after 1970-71.)

Two hours lecture and three hours field work per week.

Fundamental principles and practice in methods of land and route surveying.

Prerequisites: Trigonometry and mechanical drawing. These may be taken concurrently. Sophomore standing recommended.

ENGINEERING 5a-5b—GENERAL ENGINEERING (4-4) Yr.

Three hours lecture and three hours laboratory per week. Fundamentals of the principles and practices of engineering. Topics considered in the course are: graphics, methods of computation, surveying, and statics.

Prerequisites: One complete year of high school drawing, or Engr 52. Physics 5a-5b, and Math 5a-5b to be taken concurrently. Grade of "C" or better in Engr 5a before continuing with Engr 5b.

ENGINEERING 5c-5d—GENERAL ENGINEERING (4-4) Yr.

Three hours lecture and three hours laboratory per week. Fundamentals of the principles and practices of engineering. Topics considered in the course are: statics (continued from Engr 5b), materials science, and alternating current circuits.

Prerequisites: Engr 5a-5b, Physics 5a-5b, and Math 5a-5b with Physics 5c-5d and Math 5c-5d taken concurrently. Grade of "C" or better in Engr 5c before continuing with Engr 5d.

ENGINEERING 8—MATERIALS OF ENGINEERING CONSTRUCTION (3) I.

(Discontinued after fall, 1970.)

Two hours of lecture per week, two hours laboratory per week.

Structural properties and use of various materials.

Prerequisite: Physics 4a.

ENGINEERING 22—ENGINEERING DRAWING (3) I, II, E.

Two lecture and four laboratory hours per week.

Geometric construction; freehand pictorials; theory of orthogonal projection; simple auxiliaries, sectioning; fasteners; dimensioning simple working drawing.

Prerequisites: Mathematics 51 and Engineering 52 or one year of high-school mechanical drawing. It is recommended that students take Mathematics 52 concurrently with Engineering 22.

ENGINEERING 23—DESCRIPTIVE GEOMETRY (3) I, II.

The fundamental principles of descriptive geometry and their application to the solution of three-dimensional problems arising in the various branches of engineering.

Two lecture and four laboratory hours per week.

Prerequisite: Engr. 22 and plane geometry. Engr. 22 may be taken concurrently.

ENGINEERING 24—ADVANCED ENGINEERING DRAWING (3) I, II.

Two lecture and four laboratory hours per week.

Cams and gears, detail and assembly drawings of machine parts; freehand sketches; structural detailing; piping layouts; application of American standards in drafting room practice; tolerances; classes of fit and machining specifications.

Prerequisite: Engineering 22.

ENGINEERING 26—MACHINE DESIGN (3) I, II.

Two lecture and four laboratory hours per week.

Design of original machines or parts which can subsequently be made in the college shop. Production drafting methods are followed as closely as possible.

Prerequisite: Engineering 24.

ENGINEERING 28—ENGINEERING GRAPHICS (4) I, II, E.

Three lecture and three laboratory hours per week.

Fundamental principles of orthogonal projection, graphical solution and computations, and an introduction to conceptual design with emphasis on free-hand sketching.

Prerequisite: Engineering 52 and a satisfactory score on the mathematics proficiency test.

ENGINEERING 35—STATICS (3) II. (Discontinued after Spring, 1971.)

Three lectures per week.

Force systems and equilibrium conditions as applied to engineering problems.

Prerequisites: Physics 4a; Mathematics 2a.

ENGINEERING 50a-50b—BLUEPRINT READING (2-2) E.

A survey course designed to convey an understanding of basic engineering symbols and to interpret blueprints in terms of the common objects and devices related to the engineering field.

ENGINEERING 52—MECHANICAL DRAWING (2) I, II, E.

One lecture and three laboratory hours per week.

A rapid comprehensive coverage of the fundamentals of mechanical drawing and modern drafting practice; lettering; geometric drawings; orthographic projection, pictorial representation, and blueprinting.

ENGINEERING 60a-60b—ELEMENTARY PROBLEMS IN ENGINEERING (2-2) E.

A preview of the engineering field with problems in logarithms, slide rule, dimensional analysis, trigonometry, mechanics, uniform motion, friction, work, power, energy, and forces.

MATHEMATICS

MATHEMATICS 5a-5b—DIFFERENTIAL AND INTEGRAL CALCULUS (4) I, II. (Formerly Mathematics 1a-1b)

Differential and integral calculus for mathematics, physics, chemistry, and engineering majors.

Prerequisite: Trigonometry and analytical geometry. (Mathematics 54 and 30). A grade of "C" or better in Mathematics 1a before continuing in Mathematics 1b.

MATHEMATICS 5c-5d—CALCULUS CONTINUED AND SPECIAL TOPICS (4-4) I, II. (Formerly Mathematics 2a-2b)

Thorough technique of differential and integral calculus. Partial differentiations. multiple integrals, differential equations, series, fouriers series, complex numbers and vector analysis.

Prerequisite: Mathematics 1a-1b, grades of "C" or better.

MATHEMATICS 15—INTRODUCTION TO COMPUTER MATHEMATICS (3) I, II.

Number systems; introduction to logic; algorithms for problem solving; flow charts; preparation of program source decks in FORTRAN IV language for execution by means of the IBM 1130 computer located on campus.

Prerequisite: Mathematics 1a or 16a with a grade of "C" or better.

MATHEMATICS 16a-16b—SURVEY OF ANALYTICAL GEOMETRY AND CALCULUS (3-3) I, II, E.

A combination of analytical geometry and calculus for the pre-professional student in business administration, medicine, biology, pharmacy or architecture. Not open to those who have credit in Mathematics 1a.

Prerequisite: Mathematics 54.

MATHEMATICS 19—SLIDE RULE (1) I, II, E.

Adjustment, operation and theory of the slide rule, interpolation and graphical methods. Use of scales A, B, D, DF, DI, DF, K and L. Two hours per week during the first half of the semester. A general education course recommended for students of science or technology.

Prerequisite: Mathematics 53; may be taken concurrently.

MATHEMATICS 20—SLIDE RULE (1) I, II, E.

Use of all scales on the log-log slide rule with emphasis on the trigonometric and logarithmic scales. Trigonometric functions, solution of triangles, theory of logarithms, exponential equations and graphical methods. Recommended for those students who are familiar with the operation of the slide rule as described for Mathematics 19. Two hours per week during the second half of the semester.

Prerequisite: Mathematics 54; may be taken concurrently.

MATHEMATICS 21—ELEMENTARY STATISTICS (3) I, II, E.

Emphasis on statistical methods, frequency distribution, sampling, estimation, hypothesis testing, correlation, regression, measures of central tendency.

Prerequisite: Mathematics 53.

MATHEMATICS 22—MATHEMATICS OF FINANCE (3)

A study of graphs, logarithms, statistics, interest, annuities, life insurance, amortization, sinking funds, valuation of bonds, and depreciation.

Prerequisite: Two years of high-school algebra or Mathematics 53.

MATHEMATICS 30—COLLEGE ALGEBRA AND ANALYTICAL TRIGONOMETRIC FUNCTIONS (4) I, II.

A treatment of integrated algebra and analytic trigonometry for the student preparing for the calculus.

Prerequisite: Two years of algebra and an introduction to trigonometry.

MATHEMATICS 31—ANALYTIC GEOMETRY (3) I, II, E.

A logical system that combines algebra and geometry. It encompasses the properties of a straight line, conics, second degree equations and the extensions in three dimensions.

Prerequisite: Mathematics 54.

MATHEMATICS 40—ARITHMETIC : OF THE RATIONAL NUMBER SYSTEM (3) II.

An informal development of the evolution of number concepts, systems of numeration, the rational number system and its subsystems. Selected relevant, elementary topics from logic, set theory, mensuration and coordinate geometry. Meets general-education mathematics requirement for elementary credential candidates.

Prerequisites: Mathematics 51 and 52.

MATHEMATICS 50—REVIEW OF ARITHMETIC FUNDAMENTALS (2) I, II, E.

Drill in the fundamentals with emphasis on fractions, decimals and percentages.

MATHEMATICS 51—ELEMENTARY ALGEBRA (3) I, II, E.

An intensive one-semester course in elementary algebra covering fundamental operations, linear equations, factoring, graphing, exponents, and radicals. This course is given for students who are deficient in high-school algebra. It may not be repeated for credit if previously passed in high-school or college.

MATHEMATICS 52—PLANE GEOMETRY (3) I, II, E.

An intensive one-semester course in the elements of plane geometry covering rectilinear figures, the circle, similar figures, ratio and proportion, and area of plane figures. This course is given for students who are deficient in high school geometry. It may not be repeated for credit if previously passed in high school or college.

MATHEMATICS 53—INTERMEDIATE ALGEBRA (3) I, II, E.

Rapid review of elementary algebra; exponents; radicals, progressions, quadratic equations; systems of equations; logarithms; the binomial theorem. This course may not be repeated for credit if previously passed in high-school or college.

Prerequisite: One year of high-school algebra. This course is not open to students who have received credit for two years of high-school algebra.

MATHEMATICS 54—TRIGONOMETRY (3) I, II, E.

Trigonometric functions of any angle; logarithms; solution of triangles; trigonometric equations. This course may not be repeated for credit if previously passed in high school or college.

Prerequisite: One and one-half years of high-school algebra and plane geometry.

SCIENCES

Biological Sciences

ANATOMY 1—HUMAN ANATOMY (4) I.

Three hours lecture and three hours laboratory per week.

A study of the body first as an integrated whole, followed by a consideration of the organ systems in succession with enough histology to make the study of gross structures more meaningful. Designed to meet the requirements for pre-nursing and a cultural course in human biology.

Prerequisite: None. High-school biology and chemistry are recommended.

ANATOMY 2—HUMAN ANATOMY (3) E.

A non-laboratory course covering the same subject matter as Anatomy 1.

ANATOMY 3—ANATOMY LABORATORY (1) E.

A laboratory course intended to supplement the material covered in Anatomy 2. Three hours per week.

Prerequisite: Anatomy 2, which may be taken concurrently.

Anatomy 2 and Anatomy 3 are the equivalent of Anatomy 1 offered on the day schedule.

BACTERIOLOGY 1—GENERAL BACTERIOLOGY (5) II.

Three hours lecture and six hours laboratory per week.

Lectures cover morphology, biochemical activities, physical and chemical agents of destruction, infection and disease, bacteriology of industry and elements of taxonomy.

Laboratory covers staining techniques, biochemical activities and classification, and exercises correlated with the major field of study of the individual student.

Prerequisite: Chemistry 1a, Chemistry 8, and a course in Anatomy or Botany, or Physiology or Zoology.

Students without Chemistry 8 who are second-semester sophomores may be granted permission to take Bacteriology I by the instructor if they have had Chemistry 1a or 2a-2b plus eight units of college-level life science. Such permission does not infer that full transfer credit will be obtained when transferring to a school requiring a prerequisite of Chemistry 8. Such schools usually grant credit for their equivalent of Bacteriology 2 when all requirements are not satisfied.

BACTERIOLOGY 2—GENERAL MICROBIOLOGY (4) I, II.

Three hours lecture and three hours laboratory per week.

This course is designed for those students who need or desire to take a lower-division bacteriology course. The course covers the general principles related to the various organisms, biochemical activities, infection, disease, and immunology, as well as the non-pathological activities of microorganisms.

Prerequisite: Physical Science 12, or one semester of college chemistry, and one course in a biological science.

BIOLOGY 1a--PLANT BIOLOGY (3) I, II.

Two hours lecture and three hours laboratory per week.

A survey course of the plant kingdom designed to enrich the cultural background of any student, and serve as a prerequisite for further study in biology. Not open to students who have had a previous college course in botany.

BIOLOGY 1b--ANIMAL BIOLOGY (3) I, II, E.

Two hours lecture and three hours laboratory per week.

A survey of the animal kingdom designed to enrich the cultural background of any student, and serve as a prerequisite for further study in biology.

Not open to students who have had a previous course in zoology.

Biology 1a is not a prerequisite to Biology 1b.

BIOLOGY 51--HUMAN BIOLOGY (4) I.

Three hours lecture, three hours demonstration-laboratory per week.

A general-education, science-survey course for students who do not plan to continue their formal education beyond two years of college. The course surveys the structure, function and disease of the organ systems of the body. This course is not intended for pre-nursing students or other students whose majors include an anatomy or physiology requirement.

BIOLOGY 52--HUMAN PHYSIOLOGY (4) II.

A general education, science-survey course for students who plan to complete their formal education in the junior college. A survey of the systems of the human body and their functions, with special reference to functional interrelationships of the Neuro-muscular, circulatory, digestive, respiratory and endocrine systems.

Three hours lecture, three hours laboratory per week.

BOTANY 1--GENERAL BOTANY (5) I, II.

Three hours lecture and six hours laboratory per week.

An introductory study of the basic principles of plant morphology, taxonomy, ecology, physiology, heredity, and evolution.

PHYSIOLOGY 1a--INTRODUCTORY PHYSIOLOGY(3) II.

Three hours lecture per week.

A survey of the systems of the body and their functions. Special emphasis is placed upon the functional interrelationships of the neuro-muscular, circulatory, respiratory, digestive, and endocrine systems. This course will satisfy the requirements of pre-nursing and physical education majors, and of a general cultural course in life science.

Prerequisite: None. A college course in chemistry is recommended. Physiology 1c should be taken concurrently.

PHYSIOLOGY 1c—INTRODUCTORY PHYSIOLOGY LABORATORY (1) or (2) II.

Three or six hours laboratory per week.

A course covering experimental phases of the lecture material. The experiments cover nerve muscle preparation and recordings, sensory apparatus, blood pressures and clinical blood examinations, respirations, chemistry of food, urinalysis.

Prerequisite: Physiology 1a, which may be taken concurrently.

Note: Students should check the requirements of the college to which they intend to transfer before signing up for fewer than two units of laboratory.

ZOOLOGY I—GENERAL ZOOLOGY (5) I, II.

Three hours lecture and six hours laboratory per week.

An introductory study of the basic principles of animal morphology, taxonomy, ecology, physiology, embryology, heredity, and evolution. This course satisfies the zoology requirements of pre-medicine, dentistry and agriculture.

Prerequisite: None, but a course in college chemistry is strongly recommended.

Physical Sciences

ASTRONOMY 10—SURVEY OF ASTRONOMY (3) E.

Three hours lecture per week.

A non-technical course in astronomy with emphasis on an understanding and appreciation of the wonders of the universe combined with a study of the constellations: One or more evening observation periods required.

Prerequisite: High school algebra and geometry recommended.

CHEMISTRY 1a-1b—GENERAL CHEMISTRY (5-5) I, II.

A study of the fundamental theories and laws of chemistry with an emphasis on the mathematical treatment of chemistry rather than the general aspects and introduction to laboratory qualitative analysis. This course is for those intending to enter professional fields which require chemistry as a foundation. Three hours lecture, six hours laboratory per week.

Prerequisites: High-school chemistry or Chemistry 53 and Algebra II with grades of "C" or better, and an acceptable score on the departmental placement test. To continue in Chemistry 1b, a minimum grade of "C" is required.

CHEMISTRY 2a-2b—GENERAL CHEMISTRY (3-3) Yr.

Two hours lecture and three hours laboratory each week.

A study of the fundamental theories and laws of chemistry.

Prerequisite: High-school chemistry, or permission of the instructor.

CHEMISTRY 5—QUANTITATIVE ANALYSIS (3) II.

One hour lecture, one hour recitation, six hours laboratory per week.

Fundamental principles of quantitative analysis with a theoretical treatment of the laws and theories which apply and general instructions in various methods of gravimetric and volumetric analysis. For students interested in medicine, clinical work, petroleum, or chemical industries in general.

Prerequisite: Chemistry 1a or 2a-2b with a grade of "C" or better.

CHEMISTRY 8—ORGANIC CHEMISTRY (3) I.

Three hours lecture per week.

Fundamental theories and laws of chemistry of the aliphatic and aromatic carbon compounds. Designed primarily for majors in pre-medicine, pre-dentistry, related biological fields, agriculture and engineering.

Prerequisite: Chemistry 1a or 2a-2b with a grade of "C" or better.

CHEMISTRY 9—ORGANIC CHEMISTRY (3) I.

One hour lecture and six hours laboratory per week.

A study of the properties and reactions of the common types of carbon compounds. Designed as the laboratory for Chemistry 8.

Prerequisite: Chemistry 8, which may be taken concurrently.

CHEMISTRY 53—GENERAL CHEMISTRY (3) I, II, E.

An introduction to the theories, laws and concepts of chemistry. Practical application of chemistry in daily living will be stressed. This course is suitable for students needing an introductory course in chemistry before studying Chemistry 1a. It will satisfy, in most cases, the chemistry requirements for students not interested in a four-year degree, but who plan to enter pre-nursing hospital training program. Three hours lecture, two hours laboratory per week.

GEOLOGY 1a—PHYSICAL GEOLOGY (4) I, II.

Three hours lecture and three hours laboratory per week.

A consideration of the composition and structure of the earth and the internal and external processes which modify the crust and surface. One or more field trips.

Prerequisite: None; chemistry recommended.

Not open to students who have taken Geology 10.

GEOLOGY 1b—HISTORICAL GEOLOGY (3) II.

Three hours lecture per week.

A study of the geological history of the earth, as shown by the changing patterns of land and sea, and by succession of flora and fauna. One or more field excursions on Saturdays.

Prerequisite: Geology 1a, or Geology 10.

GEOLOGY 10—SURVEY OF PHYSICAL GEOLOGY (3) E

A survey of the nature and structure of the materials composing the earth and of the processes that shape the earth's surface. Field trips.

Not open to students who have taken or are taking Geology 1a.

METEOROLOGY I—ELEMENTARY METEOROLOGY (3) I, II, E.

Three hours lecture per week.

A brief general course, designed to give the student an insight into the physical processes and laws underlying the phenomena of weather and climate. Meets the needs of the general student in addition to covering the specialized material ordinarily required for the commercial pilot ground curriculum.

PALEONTOLOGY 10—(3) E.

Two lectures and one demonstration section per week.

General principles of the history of life. Structures and development of animals and plants revealed in the fossil record. One or more field excursions on Saturdays.

Prerequisite: None. Biology 1a or Geology 1a recommended.

PHYSICAL SCIENCE 10—PHYSICAL SCIENCE SURVEY (3) I, II, E.

Physical science survey, not open to students with credit in college physics. Elementary astronomy and physics; mechanical, magnetic, electrical and optical principles with applications to modern scientific developments.

PHYSICAL SCIENCE 11—PRACTICAL PROBLEMS IN ELECTRICITY (3) I, II.

Six hours per week.

Fundamentals of electricity; application to industry and everyday life; practical problems and projects. Demonstration aids are constructed in the shop laboratory. (Also cross-titled as Industrial Arts 11).

Not open to students enrolled in or with credit in Industrial Arts 11, Electronics 57ab, 58ab, or any other basic college course in electricity or electronics.

PHYSICAL SCIENCE 12—CHEMISTRY SURVEY (3) I, II, E.

Not open to students with college credit in college chemistry. Fundamental concepts of chemistry, principles and their applications, contributions of chemical sciences to everyday living and industrial development. Lecture, demonstration.

PHYSICAL SCIENCE 53—MODERN SCIENCE (3) II.

This course is designed to provide exploration and discussion of selected principles of the physical sciences that can be meaningfully applied in the interpretation of contemporary developments in science technology, space-age-science and consumer science. The knowledge of vocabulary and mathematical skills to be employed in the course will be such that terminal-program students should not experience difficulty.

PHYSICS 2a-2b—GENERAL PHYSICS (4-4) Yr.

Three hours lecture per week, plus three hours laboratory.

Survey in physics covering properties of matter, mathematics, heat, sound, light, electricity, and magnetism. Required for pre-medical students. May be taken by other students as an elective to satisfy science requirements.

Prerequisite: Trigonometry or Mathematics 54.

PHYSICS 4a—GENERAL PHYSICS (4) I, II. (Discontinued after Spring, 1970.)

Three hours lecture and three hours laboratory each week.

Fundamental treatment of the general principles of physics for the pre-engineer and pre-physical scientist. The topics considered in this first course are mechanics, properties of matter, sound, and wave motion.

Prerequisite: Mathematics 1a, high-school physics and/or high-school chemistry recommended.

PHYSICS 4b—GENERAL PHYSICS (4) I, II. (Discontinued after fall, 1970.)

Three hours lecture and three hours laboratory each week.

Fundamental theoretical treatment of electricity, magnetism, and electronics.

Prerequisite: Physics 4a; Mathematics 2a concurrently.

PHYSICS 4c—GENERAL PHYSICS (4) II. (Discontinued after Spring, 1970.)

Three hours lecture and three hours laboratory each week. Heat, optics, radiant energy, atomics, nucleonics.

Prerequisite: Physics 4a-4b; Mathematics 2b concurrently.

PHYSICS 5a-5b—GENERAL PHYSICS (3-3) Yr.

Two hours lecture, two hours laboratory, one hour recitation per week.

Fundamental treatment of the general principles of physics for the pre-engineer and pre-physical scientist. The topics considered in the course are: optics, atomics, nucleonics, mechanics, properties of materials, sound and wave motion.

Prerequisites: Math 5a-5b taken concurrently, high school physics and/or chemistry recommended. Grade of "C" or better in Physics 5a before continuing with Physics 5b.

PHYSICS 5c-5d—GENERAL PHYSICS (3-3) Yr.

Two hours lecture, two hours laboratory, one hour recitation per week.

Fundamental treatment of: electricity, magnetism, electronics, and thermodynamics.

Prerequisites: Physics 5a-5b, Math 5a-5b; Math 5c-5d taken concurrently. Grade of "C" or better in Physics 5c before continuing with Physics 5d.

PHYSICS 6—CIRCUIT ANALYSIS (4) (Discontinued after spring 1971)

Three hours lecture and three hours laboratory each week.

Elements of electrical circuit analysis, with emphasis on solutions of circuit problems.

Prerequisites: Physics 4a and 4b.

PHYSICS 61—ELECTRICITY (3) E.

Three hours lecture and two hours laboratory per week.

An elementary course covering electricity, magnetism, and electronics.

PHYSICS 62—INDUSTRIAL ELECTRONICS (2) E.

Two hours lecture and two hours laboratory per week.

A continuation of Physics 61 covering certain industrial applications.

Prerequisites: High-school algebra and trigonometry are recommended.

PHYSICS 63a-63b—GENERATING AND TRANSMISSION OF ELECTRICAL POWER (3-3) E.

Principles of electricity applied to generation, transmission and distribution of electrical power by public utility systems.

DIVISION OF SOCIAL SCIENCES

ANTHROPOLOGY

ANTHROPOLOGY 2—INTRODUCTION TO CULTURAL

ANTHROPOLOGY (3) I, II, E.

A general-education course covering the following: the nature of culture; a survey of the range of cultural phenomena including material culture, the life cycle, marriage and kinship, social organization and control, art, religion, world view, and other topics; and cultural theory, (Formerly Anthropology 10).

ANTHROPOLOGY 3—PREHISTORY AND CULTURE GROWTH (3) I, II.

A general-education course which presents the scope of archeology; a resume of archaeological techniques and methods; and a survey of the development of pre-historic man and of the emergence and growth of human culture from the earliest tool-making traditions to the dawn of civilization.

ECONOMICS

ECONOMICS 1a-1b—PRINCIPLES OF ECONOMICS (3-3) I, II, E.

An introduction to the principles of economics. The 1a course concentrates on macro economics, a study of the principles which determine the total production of an economy. The 1b concentrates on micro economic theory, the investigation of how a market economy operates.

Sophomore standing recommended. Economics 1a is a prerequisite to Economics 1b.

ECONOMICS 10—FUNDAMENTALS OF ECONOMICS (3) I, II.

A study of the general principles underlying economic activity and their relation to present American economic conditions and problems. This is for the student who desires a less intensive course than that presented in Economics 1a-1b.

ECONOMICS 51—THE AMERICAN ECONOMY (3) I, II.

A course which is designed to give the student an understanding of the economic forces in our society. Emphasis will be given to current economic problems that are faced by the consumer and the businessman.

EDUCATION

EDUCATION 30—INTRODUCTION TO TEACHING (2) I. (Not offered 1970-71)

A brief survey of the fundamental concepts of public education. Field trips may be required.

Prerequisite: Education 50a-50b or permission of instructor.

EDUCATION 50a—TEACHER AIDE TECHNIQUES (3) I.

An introductory course designed to acquaint the teacher aide major with public education and teaching techniques. Students will receive training in the operation of motion picture projectors, slide projectors, tape recorders and other audio-visual aids. Includes training in graphic arts (construction of transparencies, bulletin boards, flannel boards, etc.) Course includes two hours of lecture and four hours of classroom internship (time by arrangement).

Prerequisite: None

EDUCATION 50b—DEVELOPMENT OF INSTRUCTIONAL MATERIALS

(3) II.

Development of instructional materials and musical instruments for classroom use. Experience is gained in test administration and evaluation, individual instruction, maintenance of classroom records, etc. Course includes two hours of lecture and four hours of classroom internship.

Prerequisite: Education 50a or permission of instructor.

EDUCATION 51a-51b—TEACHER AIDE INTERNSHIP (2-2) Year

Six hours per week of supervised internship experience in the public schools.

GEOGRAPHY

GEOGRAPHY I—PHYSICAL GEOGRAPHY (3) I, II.

A systematic study of the physical elements of geography; climate, land forms, map projections, natural vegetation and soils, combined with a study of the world's natural regions and the physical patterns of the earth's surface.

GEOGRAPHY 2—WORLD GEOGRAPHY (3) I, II, E.

A study of the physical setting, population patterns, natural resources, and economic development of the countries of the world by means of an examination of the world's major regions.

HISTORY

HISTORY 4a-4b—HISTORY OF WESTERN CIVILIZATION (3-3) Yr.

The evolution of western civilization from antiquity to modern times. A survey of economic, political, cultural, intellectual and social developments, including the impact of the West on other civilizations and cultures.

History 4a is not requisite to History 4b.

HISTORY 8a-8b—HISTORY OF THE AMERICAN (3-3) Yr.

A general survey of the history of North, Central, and South America. Emphasis the first semester is on the European inheritance, colonial development and international rivalry, and the wars of independence. The second semester covers the development of the American nations, and their interrelations during the nineteenth and twentieth centuries.

This six-unit course fulfills state requirements in American history, and meets the American history requirement in general education.

HISTORY II—UNITED STATES HISTORY TO 1865 (3) I, II, E.

The formation of the union and the development of American society to 1865. Not open to students with credit in History 10 or History 17a. Meets the American history requirement in general education and fulfills state requirements in American history.

HISTORY 12—UNITED STATES HISTORY FROM 1865 (3) I, II, E.

The development of American society since 1865. Not open to students with credit in History 10 or History 17b. Meets the American history requirement in general education and fulfills state requirements in American history.

HISTORY 17a-17b—HISTORY OF THE UNITED STATES (3-3) Yr.

A detailed study of the history of the United States from the colonial period to the present. History 17a covers the period of United States history from the colonial period through the Civil War. History 17b covers the period from the Civil War to the present. Social, cultural, intellectual and political developments are presented as part of the development of American democracy.

Either three-unit course fulfills state requirements in American history and meets the American history requirements in general education for state college transfer. The year sequence is strongly recommended to majors in the social sciences and university transfer students.

HISTORY 21—THE PEOPLE OF MEXICO (2) I, II.

A brief survey of the historical development of the economic, political and social institutions of Mexico from the time of the Spanish Conquest to the present, emphasizing the place of Mexico in the world today and the heritage, traditions and ideals of its people.

HISTORY 22—THE NEGRO IN UNITED STATES HISTORY (2) II.

A survey from the pre-colonial period to the present of the role of the Negro in the United States and an analysis of the present status of the Negro in American society.

HISTORY 23—THE MEXICAN-AMERICAN IN UNITED STATES HISTORY

(3) I, II.

This course covers a survey of the development of the history of the Mexican-American in the United States. Attention will be given to the impact of American historical development on the Mexican-American and to the significance for American history of the Mexican-American's contributions to political, social, economic, legal, and cultural areas.

HISTORY 31—HISTORY OF CALIFORNIA (3)

A survey of the history of the state of California from the period of the discovery to the present, beginning with the exploration and early settlement as Alta California and continuing through the Spanish, Mexican and American ascendancies. The governments, customs, habits and influences of the various peoples who have occupied California are stressed.

HISTORY 51—UNITED STATES HISTORY (3) I, II.

A survey of the development of American economic, political and social institutions.

This course fulfills state requirements in American history.

This course designed primarily for those students not interested in transferring to a four-year institution.

POLICE SCIENCE

POLICE I—INTRODUCTION TO LAW ENFORCEMENT (3) I.

The philosophy and history of law enforcement; overview of crime and police problems; organization and jurisdiction of local, state and federal law enforcement agencies, survey of professional opportunities and qualifications required.

POLICE 10—THE ADMINISTRATION OF JUSTICE (3) I, E.

A study of the purpose, function and practical aspects of agencies dealing with the administration of justice. Specific emphasis is placed on legal procedures and systems from arrest to release.

POLICE 12—POLICE ADMINISTRATION (3) II, E.

The organization, administration, and management of municipal police departments.

POLICE 15—POLICE RECORDS AND REPORTS (3) II.

A study of the structure and functions of the police record system from the administration aspect; complaint records; criminal files; cross index techniques; modus operandi; report writing; descriptions of persons and property; collateral police records; police statistical method and prediction of significant trends.

Prerequisite: Sophomore standing.

POLICE 20—CRIMINAL LAW (3) II.

The structure, definitions and most commonly used sections of the Penal Code and other criminal statutes.

Prerequisite: Police I or consent of instructor.

POLICE 22—CRIMINAL EVIDENCE (3) I, E.

The kinds and degrees of evidence and the rules governing the admissibility of evidence in court.

Prerequisite: Police 20.

POLICE 30—JUVENILE PROCEDURES (3) II.

The organization, functions and jurisdiction of juvenile agencies; the processing and detention of juveniles; juvenile case disposition; juvenile status and court procedures.

Prerequisite: Sophomore standing.

POLICE 32—CORRECTIONS (3) E.

The history, principles and practices of probation, corrections and parole.

POLICE 40—TRAFFIC CONTROL (3) II, E.

Prerequisite: Police I or consent of instructor.

POLICE 43a—PATROL PROCEDURES (3) I.

Responsibilities, techniques and methods of police patrol.

Prerequisites: Police 20, 22.

POLICE 43b—CRIMINAL INVESTIGATION (3) II.

Fundamentals of investigation; crime scene search; recording data; collection and preservation of evidence; scientific aids, modus operandi; principles of interrogation; follow-up and case preparation.

Prerequisite: Police 43a.

POLICE 45a-45b—FIREARMS (1-1) Yr.

The moral aspects, legal provisions, safety precautions and restrictions covering the use of firearms; hand weapon and special arms training.

Prerequisite: Sophomore standing, and Police Science Major.

POLICE 49—POLICE SCIENCE INTERNSHIP (3) I, II.

An internship with a local law enforcement agency in which the student applies classroom skills to actual police situations in the many phases of the field.

Prerequisite: Open to sophomore police science majors selected by the instructors.

POLICE 56—CRIMINAL IDENTIFICATION (3) E.

Theory and practice in the study of fingerprints, description of persons, and modus operandi in its application to individual characteristics.

POLICE 60a-60b-60c-60d-60e-60f—POLICE TRAINING FOR PEACE OFFICERS (1-18) E.

Includes the study of laws of arrest, evidence, penal code, report writing, court appearance, field note taking, investigation, beat patrol, interrogation and public and race relations. This course is geared to meet the needs of peace officers and law enforcement agencies of this area.

POLICE 61—PRINCIPLES OF INTEROGATION (2) E.

Designed to develop basic skills and understanding in the field of interrogation, this course emphasizes techniques, scientific aids and mechanics. Stressed are the importance of morally and legally sound interrogation techniques, problems of semantics, levels of communication, potential subjects, fundamental procedures, and rules of law regarding admissions, confessions and statements.

POLICE 80—BUS DRIVER EDUCATION (1) E.

Study of the California Vehicle Code and related laws with reference to bus driver and passenger safety.

POLICE 82—PEACE OFFICERS' BASIC TRAINING (10)

An in-service course for peace officers. Covers arrest, evidence, law, firearms, investigation, first aid, identification, jail proceedings, juvenile courtroom procedure, race relations and ethics. This course complies with the State Commission on Peace Officers' Standards and training regulations.

POLICE 83a-83b—SUPERVISORY TECHNIQUES (3-2).

An in-service training course for law enforcement supervisors covering the techniques of supervision as prescribed by the State Commission on Peace Officers' Standards and Training.

POLICE 84a-84b—RESERVE PEACE OFFICERS TRAINING (2-2) E.

A basic and intermediate course for reserve peace officers in the fundamental skills and knowledge of law enforcement necessary for their performance in the field.

POLITICAL SCIENCE

POLITICAL SCIENCE 1—INTRODUCTION TO POLITICAL SCIENCE (3) I, II.

An introduction to the scope and basic concepts of political science and the representative techniques of acquiring and evaluating knowledge about the political world in which one must live. Course does not satisfy state requirements on the U. S. Constitution and the state and local governments of California.

POLITICAL SCIENCE 2—COMPARATIVE GOVERNMENT (3) I, II.

A comparative study of constitutional principles and political problems of the various major governments of the world. An analysis of the evolution and contemporary nature of English, Soviet, German and French political institutions. Course does not satisfy state requirements in Constitution of the United States and the state and local governments of California.

**POLITICAL SCIENCE 3— COMPARATIVE GOVERNMENT ABROAD (6)
SUMMER, 1971.**

A six-week comparative study of the major institutions and problems of government while on actual location in various countries of Western Europe. One fee is required which will cover ALL costs—jet and bus transportation, food, lodging, tours, and other expenses relating to the academic course. Course does not satisfy state requirements for the U. S. Constitution or California state and local governments.

**POLITICAL SCIENCE 5—FEDERAL, STATE AND LOCAL GOVERNMENT
(3) I, II, E.**

An introduction to the principles and problems of national, state, and local government, with particular emphasis on the Constitution of the United States of America.

This course fulfills all state requirements in the Constitution of the United States and the state and local governments of California.

POLITICAL SCIENCE 6—MASS COMMUNICATIONS (3) I, II.

A survey course covering all media of mass communications—newspapers, television, radio, magazines, book publishing, films, others—their strengths and weaknesses in light of their influence upon the politics and political thinking of man, and the major challenges they present to our free society, especially, in the sensitive and critical areas of censorship, sensationalism, pornography, propaganda, and monopoly. Supplemented by audio-visual materials and guest speakers. (Also cross-titled as Journalism 1).

**POLITICAL SCIENCE 42a-42b-42c-42d—CONTEMPORARY AFFAIRS
(1-1-1-1) I, II.**

Political, social, economic and historical analysis and interpretation of current significant events of local, national and international levels by means of lecture and discussion to provide a basis for understanding and evaluation of contemporary affairs and to broaden student outlook, perspective and awareness. Because of its topical nature, new content is presented every semester.

POLITICAL SCIENCE 49—GOVERNMENT IN THE UNITED STATES (0)

Independent study for in-service teachers only. The California Administrative Code, Title 5, Education, requires that teachers in the public schools, regardless of teaching field, be familiar with the essentials of government in the United States. This requirement is intended to insure that teachers will have a beneficial influence upon students' attitudes toward citizenship. Teachers may fulfill this requirement at College of Sequoias in either of two ways: (1) Political Science 5, (2) Political Science 49, independent study followed by a comprehensive examination without unit credit.

POLITICAL SCIENCE 51—AMERICAN, NATIONAL, STATE AND LOCAL GOVERNMENT (3) I, II.

An introduction to the principles and problems of national, state, and local government, with particular emphasis on the Constitution of the United States of America.

This course fulfills all state requirements in the Constitution of the United States and the state and local governments of California.

This course is designed primarily for those students not interested in transferring to a four-year institution.

PSYCHOLOGY

PSYCHOLOGY 1a—GENERAL PSYCHOLOGY (3) I, II, E.

Survey of the principles and the processes of adjustment, growth, learning, remembering, perceiving, thinking, sensation, and emotion.

Prerequisite: Second semester status or qualified first-semester freshman.

PSYCHOLOGY 1b—FIELDS OF APPLIED PSYCHOLOGY (3) I, II.

A survey of the fields of applied psychology: personnel, engineering, consumer, and clinical. Local field trips may be included in the course.

Prerequisite: Psychology 1a with a grade of "C" or better, or the approval of the instructor.

PSYCHOLOGY 19—FUNDAMENTALS OF LEADERSHIP (1) I, II.

A course for members of the student executive board and other organizations and club officers for the study of the student-body constitution, parliamentary procedures, organizations, publicity, and finance, and for the development of leadership qualities.

PSYCHOLOGY 20—FRESHMAN ORIENTATION (0) I.

An introduction to college requirements, problems, and policies. The program includes a review of the motivational and intellectual demands of a college education and the personal, vocational, and educational requirements of various occupations. The college's guidance, counseling, and test interpretation services are also discussed.

Required of all beginning students.

PSYCHOLOGY 21—CAREER PLANNING AND DEVELOPMENT (0) I, II.

A course which is designed to explore those aspects of life which will ultimately influence the individual's achievement, success, and satisfaction. Students will plan the college program of a hypothetical person and, by means of the Life Career Game, trace the life of the person during several years subsequent to the conclusion of his college education. The objective of the course will be to illustrate the effect of current decisions on the satisfaction which is experienced in many facets of present and future life.

PSYCHOLOGY 33—PERSONAL AND SOCIAL ADJUSTMENT (3) I, II.

A study of the dynamics of normal personality development and problems of social adjustment. Consideration is given to physiological and social influences.

Prerequisite: Psychology 1a with a grade of "C" or better, or the approval of the instructor.

PSYCHOLOGY 39—CHILD DEVELOPMENT (3) I, II.

A study of the needs of the infant and child in relation to the family including the preparation for the arrival of the child, prenatal development, infancy and childhood. Emphasis on home, parent and child relations.

PSYCHOLOGY 51—PSYCHOLOGY OF PERSONAL ADJUSTMENT (3) I, II.

A course designed to give students an understanding of the development of personality and the factors which are influential: family relationships, social groups, and developmental problems. The purpose is to develop a knowledge of psychology that will be useful in everyday living.

PSYCHOLOGY 52—SMALL GROUP DYNAMICS (1) I, II.

A course organized to help the participant gain insight into his own behavior, as well as that of others, to learn what a sharing experience is, and to grow in his ability to relate to others as a human being.

Prerequisite: Psych. 51, or a course in psychology.

SOCIOLOGY

SOCIOLOGY 1a-1b—INTRODUCTION TO SOCIOLOGY (3-3) Yr.

An introductory course covering principal concepts, including culture, personality, social organization, social interaction, human ecology, and social change; major social problems are discussed and analyzed, including crime and delinquency, race, personal pathologies, and poverty, as well as such social issues as family, religion, education, and population.

Sociology 1a is a prerequisite to Sociology 1b.

SOCIOLOGY 26—MARRIAGE AND FAMILY LIFE (2) I, II.

This course is designed to give the student greater insight into family living. Consideration of such topics as: roles played by various family members; importance of the family for individuals and society; choosing a mate; successful living as husband, wife, parent, child; emotional, spiritual, sexual, and financial adjustment in marriage; the family in time of stress. *(Also cross-titled as H. Ec. 26).

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