THE UNIVERSITY OF NEW MEXICO

BULLETIN

FIFTY-FOURTH ANNUAL RECORD
1944-45

WITH
CALENDAR AND ANNOUNCEMENTS
1945-46

PUBLISHED BY THE UNIVERSITY OF NEW MEXICO
ALBUQUERQUE
CAMPUS
OF THE
UNIVERSITY OF NEW MEXICO

KEY TO BUILDINGS

1. Administration
2. Aeronautical Laboratory
3. Biology (Parsons Hall)
4. Carlisle Gymnasium
5. Chemistry
6. City Reservoir
7. Dining Hall
8. Fine Arts
9. Hadley Hall (Engineering)
10. Engineering Building
11. Hodgins Hall
12. Hokona Hall
13. Inter-American Affairs
14. Library
15. Lecture Hall
16. Maintenance Shop
17. Men's Dormitory (Yatoka Hall)
18. Men's New Dorm. (Bandelier Hall)
19. Mechanical Engineering
20. Public Health Laboratory
21. President's Home
22. Rodey Hall
23. Student Union Building
24. Sara Reynolds Hall
25. Music Building
26. Stadium
27. Swimming Pool
28. Tennis Courts
29. University Press
30. Baseball Field
THE REGENTS OF THE UNIVERSITY OF NEW MEXICO

THE HONORABLE JOHN J. DEMPSEY; Governor of New Mexico
ex officio _______________________________ Santa Fe

MRS. GEORGIA LUSK, State Superintendent of Public Instruction
of New Mexico, ex officio _______________________________ Santa Fe

JUDGE SAM G. BRATTON, President ___________________________ Albuquerque

JACK KORBER, Vice-President _______________________________ Albuquerque

MRS. JOHN MILNE, Secretary and Treasurer _______________ Albuquerque

ADOLFO C. GÓNZALES _______________________________ Albuquerque

MRS. FLOYD W. LEE _______________________________ San Mateo
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(End of Catalog)
UNIVERSITY OF NEW MEXICO
Albuquerque

CALENDAR OF THE UNIVERSITY*

Summer Session, 1945

July 2  Monday—Tests and instructions for new students, 8:00 a.m.
July 3  Tuesday—Registration for all students
July 4  Wednesday—Instruction begins at 7:00 a.m.
July 7  Saturday—Last day for change in program of studies without charge
July 14 Saturday—End of second week; last day for registration or for addition of new courses to program of studies
August 25 Saturday—Session ends

Regular Sessions
Semester I, 1945-46

July 2  Monday—Tests and instructions for new students, 8:00 a.m.
July 3  Tuesday—Registration
July 4  Wednesday—Instruction begins at 8:00 a.m.
July 14 Saturday—Last day for change in program of studies without charge
July 28 Saturday—End of fourth week; last day for registration or for addition of new courses to program of studies
August 25 Saturday—End of eighth week—mid-semester
Sept. 22 Saturday—End of twelfth week; last day for removal of incomplete grades
Oct. 10-17 Wednesday—Wednesday—Pre-examination week
Oct. 17, 18, 19, 20 Wednesday, Thursday, Friday, Saturday—Semester final examinations
Oct. 20 Saturday—Semester ends at 6:00 p.m.

Semester II, 1945-46

Nov. 2  Friday—Tests and instructions for new students, 8:00 a.m.
Nov. 3  Saturday—Registration
Nov. 5  Monday—Instruction begins at 8:00 a.m.
Nov. 17 Saturday—Last day for change in program of studies without charge
Dec. 1  Saturday—End of fourth week; last day for registration or for addition of new courses to program of studies
Dec. 25 Tuesday—Holiday
Dec. 29 Saturday—End of eighth week—mid-semester
Jan. 26 Saturday—End of twelfth week; last day for removal of incomplete grades
Feb. 13-20 Wednesday—Wednesday—Pre-examination week
Feb. 20, 21, 22, 23 Wednesday, Thursday, Friday, Saturday—Semester final examinations
Feb. 23 Saturday—Semester ends at 6:00 p.m.

*Because of war conditions, the calendar is subject to change without notice; prospective students should write the registrar for final dates immediately preceding the session which they plan to attend.
**Calendar of the University**

**Semester III, 1945-46**

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<td>March 2</td>
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<td>March 4</td>
<td>Monday—Registration</td>
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<tr>
<td>March 5</td>
<td>Tuesday—Instruction begins at 8:00 a.m.</td>
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<td>March 16</td>
<td>Saturday—Last day for change in program of studies without charge</td>
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<tr>
<td>March 30</td>
<td>Saturday—End of fourth week; last day for registration or for addition of new courses to program of studies</td>
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<tr>
<td>April 27</td>
<td>Saturday—End of eighth week—mid-semester</td>
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<tr>
<td>May 25</td>
<td>Saturday—End of twelfth week; last day for removal of incomplete grades</td>
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<tr>
<td>June 12-19</td>
<td>Wednesday—Wednesday—Pre-examination week</td>
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<td>June 19, 20, 21, 22</td>
<td>Wednesday, Thursday, Friday, Saturday—Semester</td>
</tr>
<tr>
<td>June 22</td>
<td>Saturday—Semester ends at 6:00 p.m.</td>
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</table>
ORGANIZATION AND ADMINISTRATION

Officers of Administration

*JAMES FULTON ZIMMERMAN, Ph.D., President.

GEORGE PETER HAMMOND, Ph.D., Dean, Graduate School

JAY C. KNODE, Ph.D., Dean, College of Arts and Sciences, and Dean, General College

MARSHALL ELMER FARRIS, M.S. in M.E., Dean, College of Engineering

SIMON PETER NANNINGA, Ph.D., Dean, College of Education, and Director, Summer Session

#WILLIAM MCLEISH DUNBAR, B.Arch., Dean, College of Fine Arts

JOHN DONALD ROBB, B.A., Acting Dean, College of Fine Arts

JOAQUÍN ORTEGA, Litt.D., Director of School of Inter-American Affairs

$JAMES B. WILL, Capt., U.S.N. (Ret.), M.S., Head of Department of Naval Science and Tactics, and Director of Navy V-12 Unit.

TILLETT SHARPE DANIEL, Commander, U.S.N. (Ret.), B.S., Head of Department of Naval Science and Tactics, and Director of Navy V-12 Unit.

LENA CECILE CLAUVE, M.A., Dean of Women

*JABEZ LELAND BOSTWICK, M.A., Dean of Men

TOM L. POPEJOY, M.A., Executive Assistant and Comptroller

WILLARD W. HILL, Ph.D., Academic Director, Navy V-12 Program

GEORGE WALTER WHITE, B.A., Assistant Dean, College of Education

J. T. REID, Ed.D., Director, Extension Division

*PHILIP H. DUBOIS, Ph.D., Director, Bureau of Tests and Records

†JOHN H. FETH, M.A., Administrative Assistant

EVERETT HAYES FIXLEY, Ed.D., Head of the Placement Bureau

KEEN RAFFERTY, B.A., Director of University News Service, and Director of Alumni Association

DUDLEY WYNN, Ph.D., Director of Publications

FRED E. HARVEY, Director of the University Press

EARL BOWDICH, Superintendent of Buildings and Grounds

*CATHERINE HAGERMAN, Office Manager, Office of the Comptroller

HELEN O. HOGREFE, Office Manager, Office of the Comptroller

‡MARGARET O'CONNELL, M.A., Recorder, Office of the Registrar

LUCILLE HUBBARD, B.A., Recorder, Office of the Registrar

‡VERA T. DARNALL, B.A., Clerk of Admissions, Office of the Registrar

JEAN MULLINS, B.B.A., Clerk of Admissions, Office of the Registrar

ELIZABETH ELDOR, Assistant in Personnel Office

*JOHN CHARLES MACGREGOR, Jr., B.A., Business Manager of the Golf Course and Administrative Assistant

W. H. TUCKER, Landscape Architect

GRACE E. CAMPBELL, B.S. in Educ., Supervisor of the Dining Hall

ALICE ANNE MOORE, B.S., Assistant Supervisor of the Dining Hall

WANDA SHOCKLEY, Assistant Director of the University News Service

Assistants to Officers of Administration

DIXIE D. NIEMANTS, B.A., Secretary to the President.

MARY JANE GRIFFIN, Secretary, Office of the Registrar

FRED C. HARRIS, B.A., Accountant, Office of the Comptroller

ELEANOR MANSON, B.A., Cashier, Office of the Comptroller

*Deceased.

‡On leave of absence.

§Retired.

†Resigned.

[6]
ORGANIZATION AND ADMINISTRATION

THELMA R. PEABODY, Voucher Clerk, Office of the Comptroller
PEARLE D. EILAR, Payroll Clerk, Office of the Comptroller.
†MARTHA BETH HAMPTON, Assistant Cashier, Office of the Comptroller
RUTH PRENTICE, Assistant Cashier, Office of the Comptroller
★A. T. CHAVEZ, B.A., Accountant, Office of the Comptroller
★JOHN GARBER, Accountant, Office of the Comptroller
†GLADYS RICHMOND, Stenographer, Office of the Comptroller
†FRANCES SCHAEFER, B.A., Assistant Accountant, Office of the Comptroller
CAROL WILLIAMS, B.B.A., Assistant Accountant, Office of the Comptroller
SHIRLEY EARICKSON, B.A., Secretary to Dean, Graduate School
HELENE D. GINN, B.S., Secretary to Dean, College of Arts and Sciences, General College
MARY LOUISE JOHNSON, B.A., Secretary to Dean, College of Education
†OPAL CRENSHAW, B.A. in Educ., Secretary to Dean, College of Engineering
ALICE LU WILLS, B.S. in Educ., Secretary to Dean, College of Engineering
BERNICE OAKLEY, Secretary to Dean, College of Fine Arts
MARY JEAN JORGENSEN, B.A., Secretary in Department of Naval Science and Tactics
MARTHA MORRIS, B.A., Secretary to Academic Director of Navy V-12 Program
†MAYWOOD S. DUFFIELD, B.S. in Educ., Secretary to Executive Officer, Navy V-12 Unit
HELEN H. IDEN, Secretary to Director of Extension Division
HAZEL BACA, Secretary to Director of the University Press
JAMES G. MCCLOSKEY, Secretary in the Placement Bureau
★MAYNARD MILEY, B.A., Financial Secretary to Associated Students
†HELEN K. HOOPER, B.A., Financial Secretary to Associated Students
ELIZABETH ESTELLE HUGHES, B.A. in Educ., Financial Secretary to Associated Students
ELIZABETH BAUSERMAN, B.A., Secretary-Librarian, School of Inter-American Affairs
ADA RUTLEDGE, Secretary to Director of Publications
AGNES STONE, Secretary in Department of Mechanical Engineering
IRMA NELSON, PBX Operator

University Library Staff
WILMA LOY SHELTON, A.B., B.L.S., Librarian
RUTH RUSSELL, Assistant Librarian
†ESTHER JUNE PIERCY, B.S. in L.S., Head of Catalog Department
TIMER ANDERSON, B.S., Circulation Assistant
FRANCES BURRAGE, A.B., B.S. in L.S., M.S., Head of Circulation Department
†PAULINE CALENDINE, B.A., B.S. in L.S., Head of Serials and Exchanges
HELEN T. FISHER, A.B., A.B. in L.S., Cataloguer
HELEN HFEFLING, B.S. in Educ., B.S. in L.S., Head of Serials and Exchanges
SUSAN F. HORN, A.B., Certificate, University of California Library School, Head of Reference Department
†HAZEL MARIE JOHNSON, B.A. in L.S., Head of Loan Division
VIOLA LUNA, A.B., Library Assistant

†Resigned.
★On leave of absence, duration of war, for service with the armed forces.
THE UNIVERSITY OF NEW MEXICO

†MARGARET McKECHNIE, B.A., B.S. in L.S., Head of Reference Department
FloRENCE B. MORGAN, A.B., B.S. in L.S., M.S., Cataloguer
ELIZABETH MORRISON, Clerk in Library
NANNIE B. TRAMMEL, A.B. in L.S., Head of Reserve Division
†ELEANOR VOHS, B.A., Loan Desk Assistant
†MARIAN E. YOUNG, B.A., Head of Reserve Division and Depository

University Health Service
W. A. GEKLER, M.D., University Physician
ALICE E. KELLEY, R.N., University Nurse

Co-operating Schools for Practice Teaching
ALBUQUERQUE PUBLIC HIGH SCHOOL, Glen O. Ream, M.A., Principal
LINCOLN JUNIOR HIGH SCHOOL, Glen Borland, M.A., Principal
LONGFELLOW SCHOOL, J. Buren Linthicum, M.A., Principal
WASHINGTON JUNIOR HIGH SCHOOL, Edward W. Lighton, M.A., Principal

State Agencies Situated on the Campus

State Public Health Laboratory
JAMES R. SCOTT, M.D., Ph.D., State Director, and Bureau of Public Health, Consultant
MYRTLE GREENFIELD, M.A., Director, Division of Laboratory

State Highway Department Laboratory
F. G. HEALY, State Highway Engineer
E. B. BAIL, B.S. in M.E., Materials Engineer

†Resigned.
THE FACULTY OF THE UNIVERSITY

§James Fulton Zimmerman, B.A., M.A., Vanderbilt University; Ph.D., Columbia University. President of the University and Professor of Government and Citizenship

Kenneth Miller Adams, A.N.A., Chicago Art Institute; Art Students' League of New York; independent study in France and Italy. Resident Artist and Associate Professor of Art

Hubert Griggs Alexander, B.A., Pomona College; Ph.D., Yale University. Associate Professor of Philosophy

Nina M. Ancona, B.A., M.A., University of New Mexico; pupil of Silvio Scionti. Instructor in Piano and Pipe Organ

George Warren Arms, B.A., Princeton University; Ph.D., New York University. Professor of English

Arthur Paul Bailey, B.S., James Millikin University. Assistant Professor of Mechanical Engineering

William Henry Bargeloh, Lieutenant, U.S.N.R.; A.B., West Virginia University. Assistant Professor of Naval Science and Tactics

Charles B. Barker, Jr., B.S., M.A., University of New Mexico; Ph.D., University of California. Assistant Professor of Mathematics

Willis L. Barnes, Instructor in Physical Education and Acting Head Football Coach

Charles Anthony Barnhart, B.A.; M.A., University of Illinois. Professor of Mathematics

James Richard Barton, B.S. in C.E., University of New Mexico. Instructor in Civil Engineering

James Edward Baylor, B.S. in M.E., Purdue University. Assistant Professor of Mechanical Engineering

Richard F. Behrendt, Dipl. Oec. Pol., University of Cologne, Germany; Dr. Rer. Pol., University of Basel, Switzerland. Assistant Professor of Inter-American Affairs

Walter Allen Biddle, B.S. in M.E., University of New Mexico. Instructor in Mechanical Engineering

Edith Stephens Blessing, A.B., Vassar College; M.A., University of New Mexico. Instructor in English

Lansing B. Bloom, B.A., M.A., Williams College. Research Associate and Editor of the New Mexico Historical Review

Jabez Leland Bostwick, B.S., Wooster College; M.A., Columbia University. Dean of Men and Professor of Geology

Donald Dilworth Brand, B.A., Ph.D., University of California. Professor of Anthropo-geography and Head of the Department of Anthropology

John C. Breland, B.A., Luther College; M.S., University of Iowa. Instructor in Physics

Karl Frederick Burg, Studied with Ludwig Püschel at Conservatory at Hanover. Instructor in Cello, Viola, Violin, and Guitar

William Emmett Burk, Jr., B.F.A., University of Southern California; Student in the Beaux-Arts Institute of Design. Instructor in Architecture and Sculpture and Head of the Department of Architecture

†Deceased.
‡Term I. 1944-45.
*Resigned.
On leave of absence, duration of war, for service with the armed forces.
On leave of absence.

[9]
†WILLIAM DEWEES CAIRNS, B.A., Ohio Wesleyan University; B.A., M.A., Harvard University; Ph.D., University of Gottingen. Professor of Mathematics, part-time

★ARTHUR LEON CAMP, B.A., M.A., University of New Mexico. Professor of Modern Languages

EDWARD FRANKLIN CASTETTER, B.A., Lebanon Valley College; M.S., Pennsylvania State College; Ph.D., Iowa State College. Professor of Biology and Head of the Department

†ZOILA SANCHEZ CAUSEY, B.S. in P.E., M. S., University of New Mexico. Instructor in the Department of Physical Education for Women

KENNETH CHAPMAN, Chicago Art Institute; Art Students’ League of New York. Professor of Indian Art and Director of the Field School of Indian Art at Santa Fe

ADELE MARIE CHRISTOFFERS, B.S., M.A., Columbia University. Instructor in Business Administration

*JOHN DUSTIN CLARK, B.S., M.S., New Hampshire College of Agriculture and Mechanic Arts; Ph.D., Stanford University. Professor Emeritus of Chemistry

lena cecile clavel, B.A., University of New Mexico; M.A., Teachers College, Columbia University. Dean of Women and Professor of Music Education

woodrow wilson clements, B.A., Highlands University; M.A., University of New Mexico. Instructor in Physical Education

rubén cobos, B.A., M.A., University of New Mexico. Instructor in Modern Languages

ellen b. crowe, B.A., Carnegie Institute of Technology; M.A., Columbia University. Assistant Professor of Dramatic Art and Acting Head of the Department

byrdis w. danfelser, B.A., M.A., B.Mus., Baylor University; Pupil of Carlos Buhler, Harold von Mickwitz, Silvio Scionti, Tobias Matthay, Hilda Diedrich. Assistant Head of Music Department, part-time, with rank of Associate Professor

tillett sharpe daniel, Commander, U.S.N. (Ret.); B.S., U. S. Naval Academy. Professor of Naval Science and Tactics. Commanding Officer, Navy V-12 Unit

marion dargan, B.A., Wofford College; M.A., Columbia University; Ph.D., University of Chicago. Professor of History

stanley stephen daunis, Commander, U.S.N.; B.S., United States Naval Academy. Associate Professor of Naval Science and Tactics

floyd archie decker, B.S. in E.E., E.E., Kansas State College. Professor of Electrical Engineering

william f. j. dejongh, B.A., M.A., University of Michigan; M.A., Ph.D., Harvard University. Associate Professor of Modern Languages

§James b. delamater, ensign, U.S.N.R.; B.S., Springfield College. Navy V-12 Athletic Instructor

★F. Edward del dosso, B.A., M.A., Colorado State College of Education; Ed.D., Columbia University. Assistant Professor of Art

#Edward de roo, B.A., University of Rochester; M.A., University of Denver. Instructor in Dramatic Art

†Resigned.

★On leave of absence, duration of war, for service with the armed forces.

*Retiring July 1, 1945.

†Resigned.

#Term III, 1944-45.
JOHN WILLIAM DIEFENDORF, B.S. in Educ., Central Missouri State Teachers College; M.A., Ph.D., University of Missouri. Professor of Secondary Education, Head of the Department, and High School Visitor

HOWARD J. DITTMER, B.A., M.A., University of New Mexico; Ph.D., University of Iowa. Assistant Professor of Biology.

DEIGHT KELLER DIXON, B.A., M.A., University of New Mexico. Instructor in Business Administration and Economics

THOMAS C. DONNELLY, B.A., Marshall College; M.A., Ph.D., New York University. Professor of Government and Head of the Department of Government and Citizenship

C. A. DOOLEY, Riding Instructor in the Department of Physical Education

JOHN HAZARD DORROH, B.E., C.E., Vanderbilt University. Professor Emeritus of Civil Engineering

RALPH W. DOUGLASS, B.A., Monmouth College. Professor of Art and Head of the Department

GARRETT B. DRUMMOND, B.S., United States Military Academy; M.S., C.E., Oklahoma Agricultural and Mechanical College. Assistant Professor of Civil Engineering

PHILIP HUNTER DUBOIS, B.A., Union College; M.A., Ph.D., Columbia University. Associate Professor of Psychology and Director of the Bureau of Tests and Records

WILLIAM McLEISH DUNBAR, B.Arch., Cornell University. Dean of the College of Fine Arts and Professor of Architecture

ROBERT MANLY DUNCAN, B.A., M.A., Oberlin College; Ph.D., University of Wisconsin. Associate Professor of Modern Languages

JOSEPH M. ELDORIT, B.S., New Mexico College of Agriculture and Mechanic Arts. Instructor in Electrical Engineering

ROBERT KRICK EVANS, B.A., Allegheny College; M.A., University of New Mexico. Instructor in Economics

FRED CARL FACH, Photographic Specialist; Director and President of Illinois Master Photofinishers Association; Adviser on laboratory equipment and methods. Part-time Instructor in Photography

IDA MAE FALK, B.A., M.A., University of Southern California. Part-time Instructor in Economics and Business Administration

MARTHA ELMER FARRIS, B.S. in M.E., Purdue University; M.S. in M.E., University of Texas. Dean of the College of Engineering, Professor of Mechanical Engineering. Director of the Engineering Experiment Station

GORDON FERGUSON, B.S., University of Southern California. Assistant Professor of Civil Engineering

CHARLES FRANKLIN FISHERBACK, Lieutenant. U.S.N.R.; B.S., University of Illinois; M.S., B.M., M.D., Northwestern University. Unit Medical Officer

LEON HAROLD FISHER, B.S., M.S., Ph.D., University of California. Instructor in Physics

EVERETT HAYES FIXLEY, B.S. in Educ., University of Kansas; Ed.M., Ed.D., Harvard University. Professor of Education

ALBERT DUANE FORD, B.S. in M.E., M.S. in M.E., Montana State College. Professor of Mechanical Engineering and Head of the Department

†Sabbatical leave, Term III, 1944-45.
*On leave of absence, duration of war, for service with the armed forces.
*On leave of absence.
†Term III, 1944-45.
†Resigned.
‡Term I, 1944-45.
Kurt Frederick. Graduate of the State Academy of Music and University of Music in Vienna; Studied with Sevcik, Odnoposoff (Violin), Primrose (Viola), Franz Schmidt (Theory). Assistant Professor of Music

Harold Hammond Garretson, B.A., Whitman College; M.S., Ph.D., University of Washington. Assistant Professor of Chemistry

W. A. Gekler, M.D., Indiana Medical College. University Physician

Frank C. Gentry, B.A., M.A., University of Oklahoma; Ph.D., University of Illinois. Assistant Professor of Mathematics

Anna Vallevik Gibson, B.S., University of New Mexico; M.A., Mills College. Instructor in Chemistry

§Charles Leroy Gibson, B.S., University of New Mexico; M.A., Ph.D., University of Colorado. Associate Professor of Chemistry

Leo Lindsey Gleaves, B.S., Peabody College for Teachers; M.S., University of New Mexico. Assistant Professor of Physical Education for Women and Head of the Department

Lloyd L. Goff. Studied at The Art Students’ League of New York. Assistant Professor of Art

George P. Hammond, B.A., M.A., Ph.D., University of California. Dean of the Graduate School, Professor of History and Head of the Department

†Ruth Hannas, B.A., M.A., University of California; Ph.D., University of Rochester. Eastman School of Music; Pupil in piano and composition of Ashley Pettis, Albert Elkus, George McManus, Carolyn Alchin, and Walter Gieseking. Associate Professor of Music

Walter Fred Hardgrave, B.S. in E.E., University of New Mexico. Assistant Professor of Electrical Engineering

Benjamin Franklin Haught, B.A., West Virginia University; M.S., Columbia University; Ph.D., George Peabody College for Teachers. Professor of Psychology and Head of the Department

Florence M. Hawley, B.A., M.A., University of Arizona; Ph.D., University of Chicago. Assistant Professor of Anthropology

John James Heimerich, B.S., Kansas State College. Assistant Professor of Engineering Drawing

Gwinn Henry, B.A., Howard Payne College. Associate Professor of Physical Education

Edgar Lee Hewett, B.Pd., M.Pd., Colorado State Teachers College; D.Sc., University of Geneva; L.L.D., University of Arizona; L.H.D., University of New Mexico. Professor Emeritus of Archaeology and Anthropology

★Frank C. Hibben, B.A., Princeton University; M.S., University of New Mexico; Ph.D., Harvard University. Assistant Professor of Anthropology and Curator of the Museum

Willard Williams Hill, B.A., University of California; Ph.D., Yale University. Associate Professor of Anthropology and Academic Director of Navy V-12 Program

Charles Ray Holsclaw, Ensign, U.S.N.R.; B.S., United States Naval Academy. Assistant Professor of Naval Science and Tactics

Robert Edward Hoizer, B.A., Reed College; M.A., Ph.D., University of California. Professor of Physics

– E. Marie Hove, B.A., St. Olaf College; M.S., Iowa University. Instructor in Mathematics

§Deceased.
†Resigned.
★On leave of absence, duration of war, for service with the armed forces.
THE FACULTY OF THE UNIVERSITY

*WILLIAM HUME II, B.E., Vanderbilt University; Ph.D., Johns Hopkins University. Associate Professor of Civil Engineering

CHARLES ERNEST HUTCHINSON, B.A., M.A., Ph.D., University of Southern California. Assistant Professor of Sociology

EVA MARGARETA ISRAEL, B.A., University of New Mexico; M.A., Syracuse University. Instructor in Business Administration and Economics

★WILLIS DANA JACOBS, B.A., M.A., University of New Mexico; Ph.D., University of North Carolina. Instructor in English

JOHN A. JACOBSON, B.S. in E.E., University of New Mexico. Instructor in Electrical Engineering

ROBERT EMMET JEFFERY, Lieutenant, U.S.N.; B.S., United States Naval Academy. Assistant Professor of Naval Science and Tactics

★ROY WILLIAM JOHNSON, B.A., University of Michigan; Certificate, Université de Poitiers, France. Director of Athletics, Professor of Physical Education and Head of the Department

★FRANK HERMAN JONAS, B.A., M.A., University of Utah; Ph.D., University of Washington. Assistant Professor of Government and Citizenship

HERBERT L. JONES, B.A., University of Oregon; M.A., Ph.D., Oregon State College. Associate Professor of Electrical Engineering

RAYMOND JONSON, Chicago Academy of Fine Arts. Associate Professor of Art, part-time

MIGUEL JORFÍN, Dr. Public and Civil Law, Havana University. Associate Professor of Modern Languages

†RICHARD WILLIAM JUDD, Lieutenant Commander (M.D.), U.S.N.R.; M.D., University of Michigan. Unit Medical Officer

JULIA MARY KELEHER, B.A. in Educ., M.A., University of New Mexico. Assistant Professor of English

★WALTER BURROUS KELLER, Mus.B., M.A., University of Indiana; Juilliard Graduate School. Instructor in Harmony, Counterpoint, and Piano

VINCENT COOPER KELLEY, B.A., University of California at Los Angeles; M.S., Ph.D., California Institute of Technology. Associate Professor of Geology

RAYMOND JOHN KELLY, JR., Lieutenant, U.S.N.R.; B.S.C., University of Notre Dame. Assistant Professor of Naval Science and Tactics

FRANCIS MONROE KERCHEVILLE, B.A., Abilene Christian College; M.A., Ph.D., University of Wisconsin. Professor of Modern Languages and Head of the Department

#JOHN RICHARD KERR, B.A., University of Washington; M.F.A., Chicago Art Institute. Instructor in Dramatic Art

VEON C. KIECH, B.A., University of New Mexico; M.A., Ph.D., Stanford University. Professor of Chemistry

†FRED O. KIEL, B.A., B.M.A., University of Kansas. Assistant Professor of Economics and Business Administration

VICTOR ERNEST KLEVEN, B.A., LL.B., University of Saskatchewan; B.C.L., B.Litt., University of Oxford. Associate Professor of Government and Citizenship

*On special research program.

†On leave of absence.

★On leave of absence, duration of war, for service with the armed forces.

†Transferred.

#Term I, 1944-45.

†Resigned.
JANE KLUCKHOHN, B.A., University of Wisconsin; M.A., University of New Mexico. Instructor in English

JAY C. KNODE, B.A., M.A., University of Nebraska; Ph.D., Columbia University. Dean of the College of Arts and Sciences, Dean of the General College, Professor of Philosophy and Head of the Department

CLINTON H. S. KOCH, B.A., Hamline University; M.A., University of New Mexico. Assistant Professor of Modern Languages

WILLIAM JACOB KOSTER, B.A., Ph.D., Cornell University. Associate Professor of Biology

WILLIAM M. KUNKEL, Kimball School of Music; pupil of Angelo Lanciers, Fred Guilford, flutists; studied violin under Isidor Trottwyk of Yale Music School; flute soloist with John Philip Sousa's Band. Assistant Professor of Music

JOE KUNTZ, B.A., M.A., University of New Mexico. Instructor in English

HAROLD DANIEL LARSEN, B.A., M.A., University of Michigan; Ph.D., University of Wisconsin. Associate Professor of Mathematics

ALTON ANTHONY LINDSEY, B.S., Allegheny College; Ph.D., Cornell University. Assistant Professor of Biology

RUDOLPH LEONHARD LOKENSGARD, Lieutenant, U.S.N.R.; B.A., St. Olaf College; M.S., University of Iowa; Ed.D., Columbia University. Instructor, Navy V-12

ALBERT RICHARD LOPES, B.A., M.A., Ph.D., University of California. Assistant Professor of Modern Languages

ROBERT EDMUND LUCKEY, B.A., M.A., Colorado State College of Education. Instructor in Modern Languages

ARTHUR J. MARDER, B.A., M.A., Ph.D., Harvard University. Assistant Professor of History

ERNST LYNNÉ MARTIN, B.S., New Mexico State Teachers College; M.A., Indiana University. Assistant Professor of Chemistry

LEWIS M. MARTIN, Golf Instructor

PORTER W. MARTIN, B.S. in M.E., Oregon State College. Assistant Professor of Mechanical Engineering

HOWARD VINCENT MATHANY, Lieutenant Commander, U.S.N.R.; B.A., M.A., Washington State College. Associate Professor of Naval Science and Tactics

MARVIN MAY, B.S. in C.E., University of New Mexico. Instructor in Civil Engineering

MAMIE TANQUIST MILLER, B.A., Hamline University; M.A., University of Minnesota; Ph.D., University of Southern California. Associate Professor of Sociology

LYNN BOAL MITCHELL, B.A., Ohio State University; M.A., Ph.D., Cornell University. Professor of Classics and Head of the Department

MERLE MITCHELL, B.A., Southern Methodist University; M.A., University of New Mexico. Instructor in Mathematics

EUPHA BUCK MORRIS, B.A., M.A., University of New Mexico. Instructor in Mathematics

SUSAN MOSER, B.S., M.S., Iowa State College. Assistant Professor of Home Economics

ROBERT ARTHUR MOYERS, B.S. in Educ., M.A., University of Missouri; Ph.D., George Peabody College. Associate Professor of Education

★On leave of absence, duration of war, for service with the armed forces.

#Term I, 1944-45.

★On leave of absence.

†Resigned.

*Term III, 1944-45.
THE FACULTY OF THE UNIVERSITY

†HUGH FRISBIE MUNN, B.S. in M.E., University of New Mexico. Assistant Professor of Mechanical Engineering
Conrad Keeler Nagle, B.A., New Mexico State Teachers College; M.A., University of New Mexico. Instructor in History
Simon Peter Nanninga, B.S., Kansas State Teachers College; M.A., Stanford University; Ph.D., University of California. Dean of the College of Education, Professor of School Administration and Head of the Department. Director of Summer Session
†Carroll Vincent Newsom, B.A., College of Emporia; M.A., Ph.D., University of Michigan. Professor of Mathematics and Head of the Department

#Thomas Edwin Norris, Lieutenant Commander, U.S.N.R.; B.S., U.S. Naval Academy. Associate Professor of Naval Science and Tactics

Stuart A. Northrop, B.S., Ph.D., Yale University. Professor of Geology and Head of the Department. Curator of the Geology Museum
Samuel Eugene Ogle, Lieutenant, U.S.N.R.; B.A., University of Wisconsin. Instructor, Navy V-12 Unit
#Peter Francis O'Neill, Jr., Lieutenant, U.S.N.R.; B.S., Boston University. Assistant Professor of Naval Science and Tactics
Joaquin Ortega, M.A., University of Wisconsin; Litt.D., University of New Mexico. Director of School of Inter-American Affairs and Professor of Spanish

William Jackson Parish, Ph.B., Brown University; M.B.A., Harvard University. Assistant Professor of Economics and Business Administration

Thomas Matthews Pearce, B.A., University of Montana; M.A., Ph.D., University of Pittsburgh. Professor of English and Head of the Department
†Gene Thomas Pelsor, B.A., Colorado College; M.S., Ph.D., University of Oklahoma. Instructor in Physics
*George Maxwell Peterson, Ph.B., M.A., Ph.D., University of Chicago. Professor of Psychology
George T. Petrol, B.S., Albright College; M.S., University of New Mexico. Instructor in Physical Education and Business Manager of the Golf Course
†George Osborn Phelps, B.S., University of New Hampshire; M.S., University of Tennessee. Professor of Mechanical Engineering
†Esther June Piercy, B.A., University of Idaho; B.S. in L.S., University of Illinois. Instructor in Library Science and Head of the Catalog Department in the Library

Lolita H. Pooler, B.A., M.A., University of New Mexico. Instructor in Modern Languages
Tom L. Popejoy, B.A., M.A., University of New Mexico. Executive Assistant, Comptroller, and Associate Professor of Economics and Business Administration
Keen Rafferty, B.A., University of New Mexico. Director of University News Service, and Instructor in English

Bess Curry Redman, B.A. in Educ., University of New Mexico; B.Mus., Lamont School of Music; Pupil of Sandor Radonavitz, Dr. Arthur E. Westbrook, Lester Hodges, Florence Lamont Hinman. Assistant Professor of Music and Voice

†Resigned.
#Transferred.
*Sabbatical leave, Term II, 1944-45.
Miles Allen Reed, Jr., B.S.C., Temple University; B.S. in M.E., University of New Mexico. Instructor in Mechanical Engineering and Superintendent of Utilities

Bert Devendorf Reedy, Lieutenant, U.S.N.R.; B.S. in M.E., University of Michigan. Assistant Professor of Naval Science and Tactics

Frank Driver Reeve, B.A., M.A., University of New Mexico; Ph.D., University of Texas. Associate Professor of History

Parry Reiche, B.S., Massachusetts Institute of Technology; Ph.D., University of California. Associate Professor of Geology and Geological Consultant

J. T. Reid, B.A., Howard Payne College; M.A., Baylor University; Ed.D., Columbia University. Professor of Education, Director of Extension

Paul Reiter, B.A., M.A., University of New Mexico. Instructor in Anthropology and Assistant Curator of the Museum of Anthropology

Winifred Stamm Reiter, B.A., M.A., University of New Mexico. Instructor in Journalism

Stephen E. Reynolds, B.S. in M.E., University of New Mexico. Assistant Professor of Mechanical Engineering, and Superintendent of Utilities

John Donald Robb, B.A., Yale University; Graduate of the Harvard University Law School; Juilliard School of Music; American Conservatory at Fontainebleau; Pupil in composition of Paul Hindemith, Nadia Boulanger, Roy Harris. Professor of Music and Head of the Department, Acting Dean of the College of Fine Arts

George Robert, Studied Piano with Edward Steuermann, Music Theory with Anton Von Webern. Concert pianist; member of "First Piano Quartet"; played over NBC network for two years; accompanist for several well-known concert artists. Assistant Professor of Music and Piano

Harry Dexter Robbins, Instructor in Government and Citizenship

Arthur Rosenthal, Dr.Phil., University of Munich. Assistant Professor of Mathematics

Benjamin Sacks, B.A., University of New Mexico; M.A., McGill University; Ph.D., Stanford University. Associate Professor of History

David Sarvis, B.A., Antioch College; M.F.A., Department of Drama, Yale University. Instructor in Dramatic Art

Lyle Saunders, B.A. in Educ., M.A., University of New Mexico. Research Associate, School of Inter-American Affairs

Rollin L. Schneider, B.S. in M.E., University of New Mexico. Instructor in Mechanical Engineering

Florence Margaret Schroeder, B.S., Iowa State College; M.A., Columbia University. Assistant Professor of Home Economics

Victor Searcy, B.S., M.S., Oklahoma Agricultural and Mechanical College. Instructor in Chemistry

Mela Sedillo, B.A., M.A., University of New Mexico. Assistant Professor of Art, and Director of Pre-Occupational Therapy Course

Harold N. Shapiro, B.S., College of the City of New York. Instructor in Physics

*Resigned.

*On leave of absence.

*On leave of absence, duration of war, for service with the armed forces.

#Term I, 1944-45.
JOHN ALBERT SHAW, Lieutenant, U.S.N.R.; B.S. in C.E., Pennsylvania State College. Assistant Professor of Naval Science and Tactics

WILMA LOY SHELTON, B.A., B.L.S., University of Illinois. Librarian, Professor of Library Science and Head of the Department

★TED C. SHIPKEY, B.A., Stanford University. Professor of Physical Education and Head Football Coach

KATHERINE GAUSS SIMONS, B.A., Grinnell College; M.A., Columbia University. Assistant Professor of English

ELIZABETH P. SIMPSON, B.S., University of New Mexico; M.S., Iowa State College. Professor of Home Economics and Head of the Department

DANE FARNSWORTH SMITH, B.A., Vanderbilt University; M.A., Ph.D., Harvard University. Associate Professor of English

FREDERICK CHARLES MAXTED SMITHSON, B.A., Illinois Wesleyan University; M.S., University of Illinois; Ph.D., University of Chicago. Professor of Chemistry and Acting Head of the Department

★EDWIN SNAPP, B.A., M.A., University of New Mexico; M.F.A., Yale University. Assistant Professor of Dramatic Art and Head of the Department

HERSCHEL ROY SNODGRASS, B.A., M.S., University of New Mexico. Assistant Professor of Physics

VERNON G. SORRELL, B.A., State University of Iowa; M.A., University of Illinois; Ph.D., University of California. Professor of Economics and Business Administration and Head of the Department

LESLIE SPIER, B.S., College of the City of New York; Ph.D., Columbia University. Professor of Anthropology

#LOUISE MARR SPOHR, B.A., University of New Mexico. Graduate work in Music Education and Conducting at the University of Colorado. Piano with Alexander Kosloff in Los Angeles. Instructor in Voice

‡SOLOMON E. STARRELS, A.B., University of Cincinnati; Ph.D., University of London. Lecturer in Department of Philosophy

GEORGE PERRY STEEN, B.S. in C.E., M.S. in C.E., Missouri School of Mines. Assistant Professor of Civil Engineering

SUSANNA ARABELLA STERRETT, B.A., M.A., University of New Mexico. Instructor in Psychology

§PHILIP VALENTINE SULLIVAN, Lieutenant Commander, U.S.N. (Ret.); B.S., United States Naval Academy. Associate Professor of Naval Science and Tactics

RALPH W. TAPY, B.S. in E.E., Rose Polytechnic Institute; M.S. in E.E., University of Michigan; E.E., Rose Polytechnic Institute. Professor of Electrical Engineering and Head of the Department

§BURLINGTON W. TAYLOR, Lieutenant, U.S.N.R.; B.S., Yale University; Ph.D., Columbia University. Assistant Professor of Naval Science and Tactics

NANNETTE ALEXANDER TAYLOR, B.S., University of Wisconsin. Instructor in Physical Education for Women

‡CARLOS MANUEL TERÁN, Lic. Filos. y Let., University of Bogotá; Ph.D., University of California. Instructor in Spanish

★On leave of absence, duration of war, for service with the armed forces.

#Term II, 1944-45.

‡Resigned.

§Transferred.
ROSS PHILIP THOMAS, B.S., Mt. Union College; B.S. in E.E., Case School of Applied Science. Professor of Engineering Drawing and Descriptive Geometry

LOYD S. TIREMAN, B.A., Upper Iowa University; M.A., Ph.D., State University of Iowa. Professor of Elementary Education and Head of the Department

*PETER JOSEPH TURANO, B.A., University of New Mexico. Instructor in Government and Citizenship

EMILIE VON AUW, B.F.A. in Art (Painting and Design), University of New Mexico; Diploma from New York School of Fine and Applied Art; Certificate, Montainebleau, L’École Americain des Beaux Arts; Diploma, The Packer Collegiate Institute; Independent study in France and Italy. Instructor in Art

WILLIAM VORENBERG, B.F.A., University of New Mexico. Instructor in Dramatic Art

WILLIAM C. WAGNER, B.S. in C.E., C.E., South Dakota School of Mines; M.S. in Highway Engineering, Iowa State College. Professor of Civil Engineering and Acting Head of the Department.

★MARIE POPE WALLIS, B.A., University of California at Los Angeles; M.A., M.S., University of Southern California. Field Representative of the Community Program of the University of New Mexico

PAUL WALTER, JR., B.A., Stanford University; M.A., University of New Mexico; Ph.D., Stanford University. Professor of Sociology and Head of the Department

GEORGE WALTER WHITE, B.A., University of New Mexico. Assistant Dean, College of Education, Associate Professor of Education and Head of the Division of Physical Education and Health

CECIL VIVIAN WICKER, B.A., M.A., University of Michigan; Ph.D., University of Pittsburgh. Assistant Professor of English

★JAMES B. WILL, Captain, U.S.N. (Ret.); B.S., U.S. Naval Academy; M.S., Columbia University; Graduate of U.S. Naval War College. Professor of Naval Science and Tactics, Commanding Officer Navy V-12 Unit

†PAUL BROOKS WILLIS, Colorado College. Part-time Instructor in Art.

★DOROTHY WOODWARD, B.A., Randolph-Macon Woman’s College; M.A., University of Colorado; Ph.D., Yale University. Associate Professor of History

EVERLY JOHN WORKMAN, B.S., Whitman College; Ph.D., University of Virginia. Professor of Physics and Head of the Department.

†PAUL HAZARD WRIGHT, B.S. in E.E., University of New Mexico. Instructor and Laboratory Assistant in Electrical Engineering

★DUDLEY WYNN, B.A., University of Texas; M.A., Ph.D., New York University. Professor of English. Editor of The New Mexico Quarterly Review. Director of Publications

ANCHARD FREDERIC ZELLER, B.S., M.S., University of New Mexico. Instructor in Mathematics, Business Administration, and Psychology

★GUSTAVE ZIELASKO, B.A., College of Wooster; M.A., University of Michigan. Instructor in Physical Education

*Term I, 1944-45.
★On leave of absence, duration of war, for service with the armed forces.
#Retired.
†Resigned.
¢On leave of absence from the English Department.
THE FACULTY OF THE UNIVERSITY

Summer Session of 1944

MARGARET BIGELOW. Principal, Bernalillo County Supervisor of Schools. Instructor in Demonstration School

SEVERNE DIXON. Teacher, Bernalillo County Schools. Instructor in Demonstration School

AGAPITO REY, B.A., M.A., University of Michigan; Ph.D., University of Wisconsin. Professor of History, University of Indiana. Instructor in Modern Languages

ELIZABETH SEATTER, B.S. in Educ. Instructor in Demonstration School

LOTTIE WASHBURN. Teacher, Bernalillo County Schools. Instructor in Demonstration School

EXTENSION DIVISION

Non-Resident Instructors

WESLEY FREEBURG, B.A., New Mexico Normal; M.A., University of New Mexico. Superintendent of Schools, Taos. Instructor in Education

IRVIN P. MURPHY, B.A., Montezuma College; M.A., University of New Mexico. Superintendent of Schools, Carlsbad. Instructor in Education

R. P. SWEENEY, B.A., Columbia College; M.A., University of New Mexico. Superintendent of Schools, Santa Fe. Instructor in Education

ASSISTANTS

†MARX BROOK, B.S., University of New Mexico. Assistant in Physics

MAY ADAIR CARNIGLIA, B.A., New Mexico State College of Agriculture and Mechanic Arts; M.A., University of New Mexico. Teaching Assistant and Secretary in the Department of Modern Languages

TOM DEVANEY, B.S., M.S., University of New Mexico. Teaching Assistant in the Department of Biology

BERNARD CARL DRESCHER, B.S., University of California at Berkeley. Teaching Assistant in the Department of Physics

†THOMAS D. MCCALLON, Laboratory Technician in Civil Engineering

†HAZEL L. MASON, B.A., North Texas State Teachers College. Teaching Assistant in the Department of Mathematics

†VIOLETA C. ROYBAL, B.A., University of New Mexico. Teaching Assistant in the Department of Economics

†JOHN CECIL RUSSELL, B.S., Arizona State Teachers College. Assistant in Physics

†W. C. SCRIVNER, B.S. in C.E. Part-time Teaching Assistant in the Department of Mathematics

†MARY A. THOMPSON, B.S., State Teachers College, Tennessee; M.A., University of Tennessee. Teaching Assistant in the Department of Physical Education for Women

*ALICE LU WELLS, B.S. in Educ., University of New Mexico. Part-time Teaching Assistant in the Department of Business Administration

SHILA WILEY, B.A., M.A., University of New Mexico. Teaching Assistant in the Department of Physical Education for Women

†Resigned.

*Term I. 1944-45.
GRADUATE FELLOWS

ABRAHAM FELDMAN, B.A., University of New Mexico. Graduate Fellow in the Department of English

#Hazel L. Mason, B.A., North Texas State Teachers College. Graduate Fellow in the Department of Mathematics

#William Reed, B.A., Montana State University. Graduate Fellow in the Department of Biology

*Elizabeth Sheedy, B.S., University of New Mexico. Graduate Fellow in the Department of Biology

*Maurice H. Simon, Ph.B., University of Chicago; M.A., University of New Mexico. Graduate Fellow in the Department of History

**Elaine Spaberg, B.S., University of New Mexico. Graduate Fellow in the Department of Biology

STUDENT ASSISTANTS

Mary Adler, Library
Kathryne Arterberry, Dining Hall

*Marianna Averill, Biology

*Joyce Bandy, Women's Physical Education

*Esther Barnhart, Mathematics

Georgene Barfe, Dining Hall

*Allene Clark, NROTC

Editha Cochran, Mathematics
Wayne Cowan, Post Office

Aletha Davenport, Library

Daissy Dickinson, Personnel Office

Sally Drypolcher, English

Francis Faris, Dining Hall

Dorothy Fletcher, Mathematics

*Lavada Frame, Post Office

Gloria Grimmer, Biology

*Orfa Lee Harrell, Government

Roberta Hart, History

*Birdye Hawkins, Women's Physical Education

Billy Heresford, Physics

Jean Hernandez, Post Office

*Harriet Johns, Library

Jo Ann Jones, Personnel

*Costa Kalliman, Dining Hall

Dorothy Land, Dramatic Art

Doris Land, Chemistry

Vivian Lewis, Library

Allene Lowery, History

Marjorie McLaughlin, Electrical Engineering

Jim Malone, Men's Physical Education

Margaret Marshall, Personnel

Ethyle S. Mullins, Women's Physical Education

Alice Metzler, PBX

Janet Neuman, Biology

*Elsa Marie Olson, Personnel

Charles Patterson, Men's Physical Education

Roselynne Pill, English

*Jean Ross, Fine Arts

#Term III, 1944-45.

*Term I, 1944-45.

**Term II, 1944-45.
CAROL VARLEY RUPPE, Anthropology
VIRGINIA SCHMITT, Chemistry
CLARA SIPES, Library
LOUISE STAPLETON, Civil Engineering
KATHERINE TRIBLE, Mathematics
VIDAL TRUJILLO, Library
MAVIS WALKER, Library
MARJORIE WALTER, Men's Physical Education
*CAROL WILLIAMS, Comptroller
MARY FRANCES WILLIAMS, Library
DON WOOD, Men's Physical Education

*Term I, 1944-45.
THE UNIVERSITY OF NEW MEXICO'S WARTIME PROGRAM

In order to meet the wartime needs for college-trained men and women, the University of New Mexico adopted at the beginning of the academic year 1943-44 an accelerated program of three consecutive terms, which enables students to attend college on a full twelve months' basis and graduate in the shortest possible time.

At various stages of the war effort of the United States, the University instituted special training programs. Some of these special programs have been terminated in accordance with national policy. Those which are still in operation are as follows:

(1) Naval Reserve Officers Training Corps. This unit started in August, 1941, to train students for commissions in the United States Navy, and was later incorporated as a part of the Navy V-12 Program.

(2) Navy V-12 Program. Starting July 6, 1943, the United States Navy established on the University campus a training unit as a part of the regular V-12 College Program for the nation. The Program includes instruction for Navy trainees, largely in the fields of engineering, in addition to the Naval R.O.T.C.

(3) Engineering, Science, and Management War Training. The United States Office of Education, a division of the Federal Security Agency, subsidizes the University for the purpose of offering free of charge to adults in this area courses dealing with engineering, mathematics, management, and science. Over 2,000 citizens of this community have participated in these units of instruction.

THE UNIVERSITY AND THE VETERANS

While the University of New Mexico is and will continue to be an institution operating for the purpose of granting academic degrees, it has recognized that the growing presence in civilian life of veterans of World War II creates problems which must be met. These have to do largely with offerings particularly needed by veterans, requirements for admission, and credit for experience and training while in the services.

To answer questions raised along these lines, the University has published a Veterans' Booklet dealing exclusively with the veteran, his or her possible admission to the University, ways of obtaining credit for experience and training while in service, and provisions and procedures prescribed by the federal enactments under which the veteran may go on with his education.

A copy of this booklet will be mailed to any person who wants it, upon written or other request to the Office of the Registrar, The University of New Mexico, Albuquerque.
GENERAL INFORMATION

Aim

The purpose of higher education and of the University of New Mexico is the preparation of youth in body and mind for useful, intelligent, and noble living in a world which seeks as its ultimate goal the dignity and freedom of mankind. Through the media of instruction, research, and original investigation, the University endeavors to place the resources of higher education of the state at the disposal of its citizens. For the duration of the war, these resources are also being made available to the nation.

Accrediting

The University has been a member of the North Central Association of Colleges and Secondary Schools since 1922. Approval of the Association of American Universities was given to the University in 1933, and the American Association of University Women recognized the University in the same year. In 1937 the College of Engineering was approved by the Engineering Council for Professional Development.

Situation

The University is situated in Albuquerque, a metropolitan area of 70,000 inhabitants. The elevation of the campus is over 5,000 feet above sea level. The climate is mild throughout the year. Albuquerque is noted for its dry and sunny weather.

The city is on the main line of the A. T. & S. F. Railway and is served by transcontinental bus and air lines. U. S. Highways 66 (the Will Rogers Highway) and 85 intersect at Albuquerque.

Historic Santa Fe is approximately sixty miles to the north, and the picturesque Indian pueblos of Taos, Jemez, Isleta, and Acoma are within easy driving distance.

History

The University of New Mexico was created in 1889 by an act of territorial legislation. The institution was opened as a summer normal school on June 15, 1892, and began regular instruction on September 21. The first nominal president was the Honorable E. S. Stover, who served five years. During this period, Principal George S. Ramsey was in direct charge of the institution for two years. Professor Hiram Hadley, vice-president, was in charge from 1894 to 1897. During his administration, the College of Arts and Sciences was incorporated. In the summer of 1897, the Regents of the University elected Dr. C. L. Herrick, of Denison University, as the first active president. Dr. William G. Tight, also of Denison University, succeeded President Herrick. Under this administration the University adopted its unusual architectural style, and incorporated the Engineering College. Upon the resignation of President Tight in 1909, Dr. E. D. McQueen Gray served as president until 1912. He was followed by Dr. David Ross Boyd. In 1919 the Regents chose as president Dr. David Spence Hill, who served until September 1, 1927. During his administration, the Graduate School was established. Dr. James Fulton Zimmerman was acting president from January 22 until September 1, 1927, and president from the latter date until his death on October 20, 1944.
The physical and numerical growth of the University was rapid during the long period of President Zimmerman's leadership. In 1928, the College of Education was incorporated; in 1935, the General College; and in 1936, the College of Fine Arts.

A unit of the United States Naval Reserve Officers Training Corps was established May 20, 1941. The School of Inter-American Affairs was instituted during the same year.

In December, 1942, the University was one of the institutions chosen by the Directorate of Weather of the Army Air Forces to offer the premeteorological training program.

The Navy V-12 Unit of the University of New Mexico was established July 1, 1943. This Unit is a part of the Navy College Training Program, the mission of which is to train officer candidates (Apprentice Seaman, V-12, USNR) in the essentials requisite to becoming officers in the United States Naval Reserve.

**Government and Support**

The government of the University is vested in the Regents and the Faculty. Five Regents are appointed by the Governor of the state for a term of four years; the Governor and the Superintendent of Public Instruction are ex-officio members of the Regents.

The University is supported chiefly by appropriations made by the State Legislature, by income from the rental of lands granted to it by the Federal Government, by the income from royalties on the oil taken from these lands, and by student fees.

**Campus and Buildings**

The campus of the University is in the eastern environs of the city of Albuquerque, and within ten miles of the Sandia Mountains. The University's architectural style, a modification of the Indian pueblo, was adopted in 1905. The campus buildings include: Hodgins Hall, housing the College of Education; the maintenance shop; residential halls: Hokona, Yatoka, Bandelier, and Mesa Vista; Rodey Hall (the campus theater); Music Building; Chemistry Building; Hadley Hall (the engineering building); Sara Raynolds Hall (home economics building); Press Building; Fine Arts Building; Parsons Hall (biology building); Lecture Hall; Carlisle Gymnasium; President's Residence; Dining Hall; Stadium Building; Administration Building; State Public Health Laboratory; Student Union Building; Mechanical Engineering Building; Central Heating Plant; the Library; Inter-American Affairs Building; Aeronautical Laboratory; and the Infirmary.

**Recreational Facilities**

Outdoor recreational facilities on the campus include a new eighteen-hole golf course, baseball diamond, swimming pool, tennis courts, and riding stables.

**The Library**

The Library is comprised of approximately 104,985 volumes. All students have direct access to more than 10,310 volumes in the general reading room; which seats 256. Approximately 918 periodicals are received currently. The browsing room, shelving 2,000 volumes, houses the White Memorial collection and the International Relations Club library given by the Carnegie Endowment for International Peace.
The Library is a designated depository of government documents, and these publications, together with those received from colleges, universities, and various learned societies, constitute a valuable reference collection. Through the courtesy of New Mexico editors, a number of newspapers of the state are received and kept on file.

The reserve book room shelving 4,536 volumes and seating 96 readers, contains books placed in the room at the request of the faculty.

The Library of Congress depository catalog contains more than 2,000,000 cards available for bibliographical uses and helpful in arranging for inter-library loans.

The Library is primarily for the use of the faculty and students of the University, but residents of the state are urged to consult it freely. Books and pamphlets are lent upon request, and, when it is impossible to lend material, reference lists or suggestions as to the sources of information are gladly given.

The Library has the following special collections:

The Van de Velde collection of Mexican materials consists of 8,686 bound volumes, 93 maps, and approximately fifty linear feet of pamphlets. The range of the subject matter is broad, covering archaeology, ethnology, geology, folklore, geography, biography, literature, arts and crafts, and the entire history of Mexico.

The Coronado Library contains manuscript collections, state publications, books about New Mexico, and bound photostats of materials which have been made from the original archives in Mexico, Spain, and Santa Fe. By an arrangement with the Historical Society of New Mexico, the Coronado room also contains territorial, state, and county archival materials.


The Wilson collection, contributed by Mr. George A. Kaseman in 1922, contains 170 volumes dating from 1533 to 1803. The books are in Latin, Spanish, French, and Italian, and treat for the most part law, history, medicine, philosophy, and religion.

The Otero collection, contributed by Ex-Governor and Mrs. M. A. Otero in December, 1939, contains 465 volumes on the Southwest and general fields, as well as a valuable manuscript and museum collection.

Mrs. Albert Simms presented the Library with 648 volumes from Sandia School. This collection contains a selected list of the classics as well as outstanding books in all fields.

In order to offer students and others self-instruction in the use of the Library an illustrated handbook has been issued. It describes the Library, its collection and services, and gives rules for its use.

Museums and Exhibitions

Anthropology (Administration Building).—A museum hall, in connection with the Department of Anthropology, houses varied material of anthropologic interest. The prehistoric cultures of the American Southwest, Mexico, and Peru are well represented. Study collections of the European Paleolithic, Mesolithic, and Neolithic periods are on display. In the ethnologic field, type exhibits portray the material cultures of the Eskimo, North Pacific Coast, Plains, and Southwestern areas. Recent additions to the Museum collections in-
include material from the Pueblo of Pecos, New Mexico, and the Schweitzer Collection of Navaho Blankets.

Geology (Administration Building).—The Geology Museum has a double purpose: it is designed to serve the general public and to supplement the instructional program. Exhibits include a systematic series of minerals, a stratigraphic series of fossil animals and plants, a paleontologic series of fossil and modern invertebrates, and systematic series of igneous and sedimentary rocks. Other notable features are a type collection of New Mexico meteorites, an exhibit illustrating how fossils are preserved, displays of strategic minerals and of polished ores, and an unusually fine fluorescence-phosphorescence exhibit.

Fine Arts Gallery.—A continuous exhibition program throughout the school year in the Gallery of the Fine Arts Building is made possible by the joint sponsorship of the Department of Art and the Art League of New Mexico. Three annual exhibitions are scheduled regularly: Albuquerque Artists, the Student Exhibition, and the Faculty Exhibition. Besides these there are numerous group and one-man shows. New Mexico stands among the first of the states in the number of recognized artists resident within its borders. Their presence makes it possible for the University to maintain a high standard of excellence in its exhibitions.

Four important murals may be seen on the campus: several panels each by Raymond Jonson and the late Willard Nash, on view in the Fine Arts Building; four panels in the University Library by Kenneth M. Adams, A.N.A.; and a large fresco in the Administration Building by Jesús Guerrero Galván, recently Latin-American Artist in Residence.

Student Organizations

Associated Students.—The students of the University constitute a general student body organization which is called “The Associated Students of the University of New Mexico,” and which controls the other organizations of general interest.

Associated Students Council.—The Associated Students Council is the administrative agent of the Associated Students of the University. Representatives of the Council are elected from the student body.

Student Senate.—The Student Senate is the other governing board of the student body. It is composed of a representative from each organization on the campus.

Associated Women Students.—The Associated Women Students is composed of all regularly enrolled women students of the University. The purpose of the organization is to secure uniform and broad social interests among University women. It is governed by a council, the members of which are representatives of all women’s organizations on the campus.

Honor Societies.

Alpha Kappa Delta—national honorary sociology fraternity
Delta Phi Delta—national honorary art fraternity
Kappa Mu Epsilon—national honorary mathematics fraternity
Kappa Omicron Phi—national professional fraternity for students of home economics
Khatali—senior honorary society for men
Mortar Board—national honorary organization for senior women
GENERAL INFORMATION

Phi Alpha Theta—national honorary fraternity for students of history
Phi Kappa Phi—national honorary scholastic society
Phi Sigma—national organization for the promotion of interest in research in biological sciences
Pi Gamma Mu—national honorary fraternity for students of the social sciences
Pi Lambda Theta—national organization for women in College of Education
Pi Sigma Alpha—national honorary fraternity for students of political science
Sigma Alpha Iota—national professional organization for the recognition of merit of students in the music department
Sigma Tau—national honorary fraternity for students in the College of Engineering
Sophomore Vigilantes—honorary organization for sophomore men
Spurs—national honorary organization for sophomore women
Tau Kappa Alpha—national honorary debating society
Theta Alpha Phi—national honorary dramatic organization for University students and alumni
Theta Chi Delta—national honorary fraternity for chemistry students

For information in regard to other student organizations and activities, see the Freshman Handbook.

National Social Fraternities, Sororities, and other groups.—
Fraternities: Kappa Alpha, Kappa Sigma, Pi Kappa Alpha, Sigma Chi, Sigma Phi Epsilon.
Sororities: Alpha Chi Omega, Alpha Delta Pi, Chi Omega, Kappa Kappa Gamma.
Other social groups: Independent Men, Phrateres, and Town Club.
Fraternity and sorority relations are controlled by the Interfraternity Council and the Panhellenic Council respectively. These organizations also take prominent places in student activities.

Religious Activities

All the religious denominations are represented in Albuquerque. All of the churches welcome the University students and invite them to share in their religious and social life. The University holds to a policy of non-sectarianism, but encourages its students to affiliate with the religious organizations with which their families are connected, and to attend church services regularly.

Military Training

A Naval R.O.T.C. Unit has been established at this University by the Navy Department. It offers the opportunity for Navy V-12 trainees to qualify for a commission as Ensign D(L) or E(L) in the U.S. Naval Reserve upon successful completion of the courses prescribed, and after one year of active duty, the opportunity to be commissioned in the Regular Navy, if so recommended by their respective Commanding Officers. Full University credit is allowed for the work done in this Unit, so that the course may be taken without prejudice to the regular college work. Special rules are in effect for the duration.
THE UNIVERSITY OF NEW MEXICO

Student Athletics

All athletic activities are under the direction of the Athletic Council, and are subject to the approval of the faculty and the president of the University. The University also sponsors an intramural program, designed to supplement the prescribed courses in physical education.

Intercollegiate athletics are governed by regulations of the Border Intercollegiate Athletic Conference, of which the University is a member.

Student Publications

The Lobo, published weekly, and The Mirage, published annually, are managed entirely by students. The editor and the manager of each publication are elected by the Student Publications Board, and work under the direction of this board. The Dry Dock is published periodically by the students enrolled in the Department of Naval Science and Tactics, and is under the direction of the professor of Naval Science and Tactics.

University of New Mexico Alumni Association

The Association is maintained through the cooperative efforts of the University and the Alumni Association, and is primarily governed by an executive committee elected annually by alumni. All graduates, and all former students with ten hours or more of credit, are eligible for membership in the Association.

The New Mexico Alumnus, official organ of the Association, is published monthly except July and August, and is edited by the managing director of the Association and his staff. At the start of 1945 it had a total distribution of more than 2,000 a month.

Maintenance of a list of alumni in the armed forces and of alumni casualties has been a venture of first importance for the Association during the war.

The Association's offices are in rooms 6 and 7, Student Union patio.
ADMISSION AND EXPENSES

Admission

Credentials.—All communications regarding entrance should be addressed to the registrar. The University requires that each new student have his credentials sent directly to the registrar from the high school or college previously attended. Transcripts in the possession of students are not acceptable for entrance purposes. Students are urged to have their credentials sent at least one month before the opening of the semester. It should be understood that delay in presenting these credentials may cause postponement of registration with resulting inconvenience to the student. No student may enroll until the required credentials are in the hands of the registrar.

All communications regarding living accommodations, board and room, etc., should be addressed to the Personnel Office, University of New Mexico. (See Dining and Residential Halls.)

Admission of Freshmen.—Each freshman is required to present an application for admission, and to have a transcript of his high school record sent to the registrar by the principal or superintendent. An application for admission will be found in the back of the catalog, or additional copies may be obtained from the registrar. If the high school does not have a form for transmitting the high school record, transcript forms may be obtained by addressing the registrar.

Each freshman is also required to take a series of tests (see “Freshman Program” below). These tests sometimes reveal information which is used in recommending the college which the freshman should enter, the courses which he should undertake, and the amount of work which it appears advisable for him to attempt. If the tests reveal a marked weakness in preparation, the University authorities may require that the student take up a special program of work in the General College before he may enter upon a degree course in one of the regular colleges, or the student may be required to take certain non-credit courses designed to remove such weaknesses.

The University recommends that freshmen be at least 16 years of age, although exceptions are occasionally made.

Admission by Certificate.—Graduates of accredited high schools may be admitted to the University upon presentation of transcripts showing graduation from a four-year high school with 15 satisfactory units, or graduation from a senior high school with 11 satisfactory units. The term “unit” means the completion of a course of study consisting of recitation periods of at least 40 minutes each, held 5 times a week during 36 weeks.

Applicants who desire to enter the College of Engineering and who do not present three units of mathematics will be required to take Mathematics 14a in addition to the regularly required freshman courses. Of the three units of mathematics required for admission to the College of Engineering, 1½ units should be in algebra and 1 unit in plane geometry. A student will not be admitted to the College of Engineering without credit in plane geometry.

If the applicant is not a high school graduate, but has completed the 15 required units in an accredited high school, he may be admitted
to the University upon written recommendation of his principal or superintendent.

In accordance with the national trend to accelerate educational programs and in order that students may enter at the earliest possible moment the fields in which they can render the most effective service to their country, the University has adopted, for the duration of the war, a ruling which permits admission of any student (of either sex) with 14 acceptable high school units from an accredited institution, provided he shows, in the opinion of the Committee on Entrance and Credits, the proficiency necessary to carry college work.

High schools in New Mexico accredited by the North Central Association of Colleges and Secondary Schools, or by the State Department of Education, and high schools in other states accredited by regional associations, or by the universities of those states, are accredited by the University of New Mexico.

In the admission of graduates of senior high schools, no attention need be paid to the work done in the junior high school, except as this may indicate courses preparatory to those completed in the senior high school. For example, if the second year of a language is completed in the senior high school, the applicant's transcript should show that the first year has been completed in the junior high school.

Admission by Examination.—Graduates of non-accredited or partially accredited high schools, or applicants whose high school preparation is incomplete, are expected to take examinations to validate, or earn credit in, that portion of their work which is unaccredited or incomplete. Entrance examinations are given at the University at the beginning of each semester. Applicants who desire to take examinations should notify the registrar at least two weeks in advance.

Recommended High School Units.—For the student preparing for college, the following units are recommended: English 4, mathematics 2 (for Engineering 3), language 2, science 2, social science 2, electives 3 or 4. However, the student may be admitted without deficiency with the following minimum requirements: English 3, mathematics 1 (for Engineering 3), social science 2 (including 1 in American history or American history and civics), laboratory science 1, electives 8 (or in Engineering 6).

Freshman Program.—At the opening of each semester a "Freshman Program" is conducted. The purpose of this program is to acquaint the freshman with some of his fellows, to help him to feel more at home in new surroundings, to permit him to meet advisers and counselors, and to familiarize him somewhat with University methods and life. In addition to the preliminary registration and the various tests, numerous recreational and educational events are held.

Attendance Required.—Attendance of all freshmen with less than 10 semester hours credit is required during the entire Freshman Program period, but transferring students who have less than 60 hours of college credit are advised to attend all meetings except the tests. All new students are required to take the psychological test.

Time.—The Freshman Program will be held at the beginning of each semester, the dates and places of meetings to be announced in the city papers and on University bulletin boards.
Tests for Freshmen.—In order to make a comparison of the ability, training, and background of the different members of the freshman class, the University administers a series of intelligence, placement, and achievement tests. A medical examination is also required for each student. Deans and advisers consider these tests quite helpful to the consultation and guidance relationships with the new student. The tests are designed principally to reveal the student’s aptitude for college work, and to assist in placing the student in courses of the proper level.

Every student registered in freshman English is examined as to his ability to use clear, correct, idiomatic English. No student can pass this test or continue in English 1 a who shows serious weakness in spelling, punctuation, grammar, diction, or sentence structure. Students who do not pass the test are enrolled in English A.

Admission of Students with Advanced Standing.—The new student who has attended other colleges or universities shall request the authorities at each institution attended to send an official transcript of his record to the registrar of the University. The student is also required to make application for admission on the form which will be found at the back of the catalog. When the preparatory credits have not been accepted, or have not been reported on the college transcript, the student is required to have a transcript of his high school work sent to the registrar. Transferring students are urged to present the necessary credentials early, so that they will not encounter delay in registration.

Information concerning the standing of transferring students cannot be given until the application for admission and all necessary transcripts are in the hands of the registrar. Neither is it possible to advise the student of his standing from a list of credits submitted in a letter. After the application and transcripts have been received, an evaluation is made, and a copy sent to the student. The student should retain this copy, and bring it with him for registration purposes.

Students from fully accredited institutions ordinarily will be given full credit for work transferred, insofar as the courses taken are the same as, or equivalent to, courses offered in the college in which the student enrolls in this institution, provided the work is of the average quality required for graduation from the University of New Mexico. Only an approximate evaluation can be made prior to the student’s registration, and all credit is tentative until the student has completed at least one semester of satisfactory work in residence.

Credits transferred from an accredited junior college will be accepted up to a maximum of 64 semester hours plus 4 semesters of physical education. In accepting junior college credits, no courses will be considered as above sophomore level.

Credit earned by students transferring from unaccredited institutions is usually accepted on the same basis as by the state university of the state in which the institution is situated. Where it seems proper, examinations for the validation of credit may be required.

A student who is disqualified for re-registration in any other college or university, or whose grade-points earned total less than one half the hours attempted, may not be considered by the Committee on Entrance and Credits for admission to the University of New Mexico.
Mexico until the period of his disqualification has expired, or until he
has been out of school for one semester.

The Committee on Entrance and Credits will consider unusual
cases on their merits.

Teachers and prospective teachers should note that teaching
certificates are issued by the State Department of Education, Santa
Fe, New Mexico. The transferring student who wishes to have an
evaluation from the University, and a check-up of his eligibility for a
teaching certificate, should have original transcripts sent both to the
University registrar and to the State Department of Education.

Admission of Special Students.—Persons over twenty-one years
of age who cannot meet the regular entrance requirements may be
admitted as special students, provided they secure the permission of
the instructors whose work they desire to take and the approval of
the dean of the college concerned. Students over twenty-one who do
not wish to work toward degrees at the University of New Mexico
may also be admitted as special students under the same conditions,
provided they have not attended any college or university during the
semester immediately preceding their enrollment here. Applicants
coming direct from high school will not be permitted to enter as
special students. By virtue of his classification, the special student is
not eligible for any degree, but may become a candidate ultimately,
by clearing his admission status to the satisfaction of the Committee
on Entrance and Credits.

The student entering as a special should make application on the
provided form. If he intends to establish regular status here, he should
present official transcripts of any high school or college credit which
he may have earned previously. He will not be permitted to continue
his status as a special student longer than one year, except by special
permission of the Committee on Entrance and Credits.

Admission of Unclassified Students.—Students transferring from
unaccredited or partially accredited institutions are unclassified until
they have validated credit in accordance with the University regula­
tions. Students who are temporarily absent from other institutions
are also registered as unclassified. In such cases statements of hon­
orable dismissal, including scholastic status and classification, are
required from the last institutions attended.

Admission of Auditors.—Mature students may attend classes as
auditors, without credit, with the permission of the instructors con­
cerned and of the dean of the college in which most of the audited
courses lie. Auditors are required to pay fees at the rate of $5.00
per course. They must, upon registration, declare themselves as
auditors and may not change to a credit basis after the first four
weeks of the semester. A student enrolled for credit in a course
may not change to an auditing basis in the same course after the
first four weeks of the semester.

Admission of Graduate Students.—See section of catalog entitled
"Graduate School."

Admission of Veterans.—Special consideration is given to return­
ing members of the armed forces. Credit is granted on the basis of
measured educational achievement, in conformity with the procedures
recommended by the North Central Association of Colleges and Secondary Schools and the American Council on Education.

In accordance with the desire of the University to assist veterans in furthering their education, a new regulation has been adopted. Persons at least nineteen years of age who have been engaged in military service or in bona fide war work may be admitted as special students at the discretion of the dean of the college concerned.

Inquiries from veterans and servicemen regarding credit allowance for educational experiences in the service should be addressed to the Office of the Registrar.

Registration

Materials Needed.—Each student should bring his copy of the general catalog to registration. The freshman should have in his possession the notice of admission. The transferring student should have a copy of his evaluation of transferred work. The student who has previously attended the University should have in his possession a photostatic copy of his permanent record. This copy will be placed in the returning student’s registration envelope, if the student notifies the registrar of his intention to re-enroll.

Time of Registration.—Students are urged to register on the days set aside for registration (for dates, see University Calendar). The late registration fee is charged to “each student who does not complete his registration on the specified days. Registration contemplates completing the entire procedure, including payment of fees. Prompt registration is at all times encouraged. No student may enroll late in any course unless he has the permission of the instructor concerned. A student may not be admitted to the University more than ten days after the opening of a semester, except with the permission of the dean.

Registration Procedure.—Details of the registration procedure are contained in a special notice issued by the registrar, and distributed to students on the days of registration.

Completion of Registration.—When the student has followed the prescribed registration procedure, and has paid his fees, his registration is complete. The University will hold the student responsible for completion of the courses for which he has been enrolled, unless he obtains approval for a change in his registration.

Change in Registration.—See “General Academic Regulations.”

Medical Examinations.—A medical examination, including a Wasserman test and a tuberculin skin test, is required of each new student following registration. These tests are given without charge by the University physician, but students who, without valid reason, fail to keep their examination appointments will be fined. Health-seeking students are accepted at the University if, in the judgment of the University physician, their work does not endanger themselves or their associates. The University may refuse registration to, or cancel the registration of, any student who is physically unfit to carry on class work, or whose physical condition might be a menace to the health of other students.
Tuition and Fees

All fees are due at the time of registration. A fee of $2.00 will be assessed if registration is not completed on the days specified.

In addition to the matriculation fee of $5.00, which is paid once by each student upon his first registration in the University, other fees are charged according to the number of semester hours in the student's course. Auditors pay fees at the rate of $5.00 per course.

Registration Fees, Undergraduate Students, Per Semester.

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<tr>
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<th>More than six hours</th>
<th>Three to six hours</th>
<th>Three hours or less</th>
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<tbody>
<tr>
<td>Tuition*</td>
<td>$30.00</td>
<td>$15.00</td>
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<tr>
<td>Health Fee</td>
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<tr>
<td>Student Activities Fee†</td>
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<tr>
<td>Student Bond Fee</td>
<td>2.00</td>
<td>2.00</td>
<td>2.00</td>
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<tr>
<td>Breakage Deposit‡</td>
<td>5.00</td>
<td>5.00</td>
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<td></td>
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<td></td>
<td>$47.60</td>
<td>$22.00</td>
<td>$17.00</td>
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*If a non-resident, add tuition 45.00

†Includes $.60 Federal Tax.

Registration Fees, Graduate Students, Per Semester.

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<td>2.00</td>
</tr>
<tr>
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<td>5.00</td>
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<tr>
<td></td>
<td>$40.00</td>
<td>$22.00</td>
<td>$17.00</td>
</tr>
</tbody>
</table>

*If a non-resident, add tuition 45.00

Note: Graduate students enrolled for thesis only pay a $15.00 tuition fee, and breakage deposit.

Other Fees for Special Services.

Change in program after end of second week, except upon written request of the instructor $ 1.00
Late registration fee 2.00
Late physical examination fee 1.00
Fee for removal of Incomplete grade 2.00
Examination for validation of credit, per course 2.00
Other special examinations 2.00
Examination for advanced standing, per credit hour 2.50
Transcript of credits (extra copies 25c each) 1.00
Penalty for dishonored checks 1.00
Diploma fee, bachelor's or master's degree 10.00
Binding master's thesis, per copy 1.50

Additional Fees.

Individual music instruction (except vocal coaching), per credit hour $11.25
Vocal coaching, per credit hour 22.50
Group piano instruction, per credit hour 8.00
Equitation, per semester 12.50

† Paid once yearly and refundable, less charges.
ADMISSION AND EXPENSES

Golf, per semester ................................................. 3.00
Pipe organ rental, per semester ................................. 12.00
Use of practice rooms (other than pipe organ):
1 hour per day, per semester ................................... 4.00
2 hours per day, per semester .................................. 6.00
3 hours per day, per semester .................................. 8.00
4 hours per day, per semester .................................. 10.00

For Master Classes in piano and other instruments (or private instruction by visiting instructors) the University reserves the privilege of charging special fees for instruction and practice rooms.

Non-Resident Tuition Fees.—The 1941 Legislature passed a law defining the non-resident tuition requirements as follows:
A non-resident student shall be charged not less than One Hundred and Fifty Dollars ($150.00) per year, based on a nine month school year; providing that any student having graduated from a non-resident high school shall be considered a non-resident unless he or she shall have spent not less than twelve (12) months in residence in the State of New Mexico after becoming twenty-one (21) years of age while not attending school, or whose parents are legal residents of the state.

Upon request of the University authorities, students must furnish proof of their residence in the state of New Mexico. If a person other than the parent is named as guardian, the student will be required to furnish evidence of court appointment.

Health Fee.—The University maintains a full-time physician with offices in the Infirmary. All students enrolled for seven or more semester hours are eligible to consult him in case of illness or injury. The physician's office is reasonably well equipped with instruments and medicines, and any work which can be done in the office is financed by the semi-annual health fee. Major and minor surgery and critical illness will be referred to local physicians at the student's expense.

Student Activities Fee.—The assessment of this fee is a voluntary action of the student body, through its organization, the Associated Students of the University of New Mexico. At registration, the University collects this fee as an accommodation to the Associated Students. The activities fee is distributed to the student organizations as shown in the Constitution of the Associated Students. Copies of the Constitution may be obtained from the Personnel Office.

Withdrawals and Refunds.—All fees, except the matriculation fee, will be refunded to students voluntarily withdrawing from the University before the end of the second week of the session. Students voluntarily withdrawing later than the second week, but before the end of the eighth week of the semester, will be entitled to a refund of one-half of the tuition, and the guarantee deposit. Students withdrawing after the eighth week and students withdrawing at any time under discipline or because of academic deficiencies, will be entitled to a refund of the breakage deposit only.

Estimate of Total Expense.—The minimum amount necessary for expenses while attending the University of New Mexico for a semester is estimated as follows:
ADMISSION AND EXPENSES

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition and fees</td>
<td>$47.60</td>
</tr>
<tr>
<td>Books and supplies</td>
<td>15.00</td>
</tr>
<tr>
<td>Board and room</td>
<td>160.00</td>
</tr>
<tr>
<td>Laundry (sent off campus)</td>
<td>25.00</td>
</tr>
</tbody>
</table>

Non-resident students should add $45.00 to the tuition costs. Women students in residential halls are charged a recreational and social fee of $1.50 each semester.

Dining and Residential Halls

All matters pertaining to living accommodations for students are under the direction of the Personnel Office. Inquiries concerning living accommodations should be addressed directly to that office.

It is expected that the residential halls and dining hall will be open continuously for the duration. It is required that board and room and social fee be paid in advance at the Comptroller's office. Receipts for these payments must be presented to the clerk at the dining hall, and to the proctor in the residential hall. Students not living in the residential halls, and other persons connected with the University, may procure meals at the dining hall if space is available.

Room Reservation.—After a student has been notified by the registrar that he is admitted, he should make written application to the Personnel Office for a room reservation in a residential hall. This application must be accompanied by a five dollar remittance, which will apply toward the first month's room rent. Should the applicant find it impossible to keep his reservation, he should notify the Personnel Office not later than one week before the first day of registration. In such cases the five dollar reservation fee will be refunded.

All students occupying rooms in residential halls are required to take their meals at the dining hall. Dormitory residents must furnish their own bedding, linens, and curtains.

Upon receipt of the five dollar reservation charge and upon notification from the registrar that the applicant has been accepted for admission, the Personnel Office will send the applicant a receipt. Should there be any question concerning the applicant's admission, the receipt will be held and only a tentative reservation made.

Room Regulation.—Dormitory rooms are available to undergraduate men and women students. A list of approved rooming places near the campus for men and all graduate students is published every semester by the Personnel Office. Women students are not permitted to room in houses where men are rooming.

Freshman women whose homes are not in Albuquerque are required to live in the University residential halls for one year. (During the war emergency this will not be enforced.) All undergraduate women whose homes are not in Albuquerque are required to live in the University residential halls or sorority houses.

Exceptions to this regulation include: special adult students; regularly enrolled students who are over twenty-one years of age, and registered for 6 hours or less; women students who are working for board and room in approved homes.

No woman student may change her place of residence without the consent of the dean of women. The University reserves the right to determine where a student may reside.

All occupants of residential halls must vacate their rooms by
5 p.m. on the last day of the semester unless they expect to return for the following semester.

Rates—Residential Halls.—Students who have made room reservations and have been notified of address of residential hall should report to that residence upon arrival. Students who do not have definite assignment should report immediately to the Personnel Office. Students should plan to time their arrival at the residential halls between 8 a.m. and 10 p.m.

Whenever a room is occupied for more than one-half month, the full rate for the month will be charged. For a fractional month less than one-half month, the rate is 50c a night.

The following rates for residential halls and dining hall are subject to change whenever necessary to defray operating costs.

Women's Residential Halls—charges per calendar month per person:

<table>
<thead>
<tr>
<th>Type of Accommodation</th>
<th>Rate</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room and board</td>
<td>$40.00</td>
<td></td>
</tr>
<tr>
<td>Room only, when working for board elsewhere</td>
<td>12.50</td>
<td></td>
</tr>
</tbody>
</table>

Men's Residential Hall—charges per calendar month per person:

<table>
<thead>
<tr>
<th>Type of Accommodation</th>
<th>Rate</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room and board</td>
<td>$37.50</td>
<td></td>
</tr>
<tr>
<td>Room only</td>
<td>7.50</td>
<td></td>
</tr>
<tr>
<td>Recreational and social fee per semester</td>
<td>1.50</td>
<td></td>
</tr>
</tbody>
</table>

Rates—Dining Hall—

<table>
<thead>
<tr>
<th>Type of Accommodation</th>
<th>Rate</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Board only per calendar month for residents and non-residents of the dormitories</td>
<td>$30.00</td>
<td></td>
</tr>
<tr>
<td>Board only per day—less than a month</td>
<td>1.00</td>
<td></td>
</tr>
</tbody>
</table>

Single meals for guests:

<table>
<thead>
<tr>
<th>Type of Meal</th>
<th>Rate</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Breakfast</td>
<td>.25</td>
<td></td>
</tr>
<tr>
<td>Luncheon</td>
<td>.35</td>
<td></td>
</tr>
<tr>
<td>Dinner</td>
<td>.40</td>
<td></td>
</tr>
<tr>
<td>Dinner (Noon Sunday and holidays)</td>
<td>.75</td>
<td></td>
</tr>
</tbody>
</table>

Guests.—With the consent of the proctor or chaperon, students may entertain guests overnight at the residential halls. The guest will be charged fifty cents (50c) per night. When a guest is to have meals at the dining hall, the clerk should be notified in advance, and the guest's meals must be paid for at that time.

Refunds.—No refund is made on room rent. Refunds for board are made only for absences of seven or more consecutive days. These absences must be excused in writing by the dean of men or the dean of women, and with the approval of the director of the dining hall, who must be notified at the beginning of such an absence.

Student Employment

Employment.—The University Student Employment Office is maintained to aid those students who find it necessary to earn a part of their expenses while attending the University. Any student requiring part-time employment is requested to file an application with the Personnel Office. Applications for campus employment must be renewed each year.

The following principles are the basis of selection of candidates through the Student Employment Office: (1) the establishment of the
actual need of the student; (2) scholarship; (3) re-employment to be based on satisfactory service and scholarship.

Loan Funds

The University administers, under the direction of the Student Loan Committee, its own Student and Alumni Loan Fund and cooperates in the administration of several others.

The maximum amounts available from this fund respectively for sophomores, juniors, and seniors are $50, $75, and $100, with the provision that the succeeding amount shall be loaned each year upon repayment by the student of at least half the sum previously borrowed. The fund is not set up to handle loans for amounts smaller than those mentioned in this paragraph.

The general rules applying to these loans are as follows:

1. The student must have been in residence at the University for at least one year.
2. He must be receiving grades of C or better in subjects which he is carrying; preference will be given to worthy students with the higher ratings in scholarship.
3. Students receiving loans will be required to give notes with endorsers as prescribed by the comptroller's office.

Other loan funds available to students at the University are: The American Association of University Women's Loan Fund; Revolving Loan Fund of the Ancient, Free, and Accepted Masons of New Mexico; Educational Loan Fund of the Grand Commandery of Knights Templar of New Mexico; The McGaffey Memorial Loan Fund of the Albuquerque Rotary Club; The Women's Club Loan Fund; The Altrusa Club Loan Fund; The Phrateres Loan Fund; and The Mortar Board Loan Fund.

Awards and Scholarships

Each spring seniors in most of the high schools of New Mexico take the New Mexico Statewide Test of Academic Achievement, sponsored by the University of New Mexico. To 50 seniors from the 100 with the best standing on the test, the University guarantees an opportunity to earn as much money as may be necessary to complete their freshman year, provided they enter the University the following fall and can show need of financial assistance.

An act of the New Mexico Legislature makes possible a number of tuition scholarships, equal to two per cent of the University enrollment of the previous year. These scholarships are allotted to New Mexico students who can show promise of good academic achievement and who can demonstrate the need of financial assistance.

Application for these scholarships and for work assistance should be made through the Student Employment Office.

Announcements of recipients of awards and scholarships is made by the President of the University, after recommendations have been made to him by the Committee on Honors and Awards. A description of the awards follows with names of recipients for 1944-45. Announcement of these awards is made at a special assembly in the latter half of the spring semester.
The C. T. French Medal for Scholarship.—Awarded to a graduat­ing senior of the College of Arts and Sciences who has obtained during his last two years of continuous residence, the highest general average for scholarship in a program of not less than fourteen hours a semester. Mr. Stephen Watkins.

The Katherine Mather Simms Memorial Prize in English.—A cash prize consisting of the interest from a $250 trust fund is awarded each year to a regularly enrolled undergraduate, who has been in residence at least one term preceding the time of the contest, on the basis of excellence in prose composition and on the quality of a competitive essay. The decision is made by the faculty of the English department and the dean of the College of Arts and Sciences. Mr. Robert Nelson, 1943-44; Miss Ual Pickett, 1944-45.

The George E. Breece Prize in Engineering.—A cash prize consisting of the income from a $600 prize endowment, which is awarded to a graduating senior in engineering who is enrolled for a full course. This award is made upon the basis of character, general ability, and excellence of scholastic record as shown during the last two consecutive years of residence in the University. Mr. James Richard Barton, Mr. Paul Adams, tied.

The Ives Memorial Scholarships.—Created in memory of Julia Louise Ives and Helen Andre Ives. The income from a $15,000 fund is used to maintain three $200 scholarships for women students. Candidates must be residents of New Mexico, preferably living in Albuquerque, in good health, of good moral character, of high scholastic standing, and they must intend to teach. The scholarships are awarded annually by the President of the University. Selection for the next academic year is made in July. Miss Evelyn Ellis, Miss Harriet Jane Johns.

The Marian Coons Kindness Award.—A memorial prize consisting of the interest from a $750 endowment fund, is given each year to the regularly enrolled senior in the Department of Home Economics who is voted the most kind by her classmates and teachers in that department. Miss Janice Kiech, Miss Anne Reed.

The Chi Omega Prize in Economics.—An annual prize of $15 is awarded to the regularly enrolled woman student (Chi Omega members excepted) who has done the best work in Economics during the college year. Selection is made on the basis of scholarship and general knowledge of the subject. Miss Cleo Courtney.

The Alfred Grunsfeld Memorial Scholarships.—The sum of $5,000 has been established as a perpetual trust fund, the income from which is used to maintain for men two scholarships at approximately $200 each. These scholarships are decided upon at the same time as the Miriam N. Grunsfeld Scholarships and are governed by the same general conditions as given below.

The Miriam N. Grunsfeld Scholarships.—Two scholarships of approximately $200 each, maintained by a perpetual trust fund of $5,000, for women.

The conditions governing the Grunsfeld scholarships are as follows: (1) To be eligible for the scholarships, students must be resi-
dents of the state of New Mexico. It is also required that, during the academic year immediately preceding the award, they shall have been in actual attendance at the University as full-time students; that they shall not be above the rank of junior; and that three of the recipients shall have been enrolled in the Department of History or the Department of Government and Citizenship (the fourth may be enrolled in any department of the University). (2) In selecting the students to receive the awards, consideration is given to their general scholarship, and to their financial requirements.

The scholarships are paid in two equal installments, one at the beginning of the first semester, and the other at the beginning of the second semester, contingent upon maintenance of good scholastic record in the normal course of study. If the student fails to register for the second semester, an alternate may be selected.

The recipients of the two prizes listed above are Miss Vidal Trujillo, Miss Leonor Andrade, Miss Ellen Ann Lembke.

The Philo S. Bennett Prize.—The income from a fund of $1,200 is awarded annually to a woman student at the beginning of her freshman year, who is most worthy, who has resided in New Mexico for at least the preceding four years, and who will continue as a resident student in the University. Miss Luisa Manzanares.

The Harry L. Dougherty Memorial Prize in Engineering.—A cash prize consisting of the income from a trust fund contributed by colleagues, students, and friends, as a memorial to Mr. Harry L. Dougherty, Assistant Professor of Civil Engineering, is awarded each year to the student in the College of Engineering, who has made the highest scholastic average in residence during his freshman and sophomore years, while carrying a normal course of study. Mr. Leslie Wheeler, Mr. Frederick Rink.

The Charles Florus Coan Award.—The income from a trust fund donated by faculty and friends as a memorial to Charles Florus Coan, Ph.D., Professor of History and Political Science, is awarded annually, for excellence in scholarship, to a worthy student whose major field is history. The student is chosen by the faculty of the Department of History. Miss Nell Pearce.

The Rose Rudin Roosa Memorial Award.—The income from a $1,000 cash endowment is awarded each year to the upperclassman or graduate student in the Department of Government and Citizenship who has indicated the most positive interest in the development of good citizenship, in the opinion of his professors. A paper is required. Miss Kathleen Lenihan, 1943-44; Mr. Edward McClaskey, 1944-45.

The New Mexico Section of the American Society of Civil Engineers Award.—A certificate of merit with entrance dues for junior membership in the American Society of Civil Engineers, together with a membership badge, is given to a graduating student in civil engineering who excels in scholarship, holds membership in the student section of the engineering society, is active in student engineering organizations, and who, in the opinion of his professors, shows promise of becoming a successful engineer. Mr. Robert Schneider.
The Phi Kappa Phi Prizes.—Two annual cash prizes of $10 each are awarded to the man and woman who, while carrying a regular course of study, rank highest in general scholarship for the work of their freshman year. These prizes are announced each fall when the Phi Kappa Phi Freshman Honor Roll, which includes freshmen in the upper 5 per cent of their class in scholarship, is read. Mr. Paul Barnhart, Miss Marjorie Tireman.

The American Association of University Women Award.—An annual award of $50 was created by the Albuquerque branch of the A. A. U. W. to be used as a scholarship to promote advanced college training for women. It is given to a woman student who has earned at least 90 semester hours in this institution and who will enroll for a regular course the following year as a senior or as a graduate student. Selection is made on the basis of scholarship, of financial need, and of general ability as indicated by recommendations from professors to the committee. Miss Virginia Schmidt.

The Marcella Reidy Mulcahy Memorial Prize.—An annual cash prize of $10, established by the Kappa Kappa Gamma Alumnae Association, is awarded to the student who, in the opinion of a special committee appointed by the head of the English department, has excelled in the composition of poetry. Mr. M. L. Armijo.

The Faculty Women’s Club Scholarship.—A cash scholarship of $50 is to be awarded to a senior or junior woman on the basis of need and scholarship. Established by the Faculty Women’s Club, in 1937. This award is given the second semester of each year and is announced in January.

The H. J. Hagerman Memorial Prize in Public Finance.—An annual $50 cash prize was established by the New Mexico Taxpayers Association, in 1938, to be awarded to the regularly enrolled undergraduate student who presents the best original paper in the field of taxation and public finance in New Mexico. The paper should be submitted by December first, to the faculty of the Department of Economics and Business Administration, who will make the selection. Miss Carol Williams.

The Phi Sigma Scholarship Medal.—Awarded each year by the National Society of Phi Sigma to a regularly enrolled student in the University of New Mexico for excellence in biology and promise of future achievement. This award is announced in May. No award.

The Phi Kappa Phi Senior Award.—A cash prize of $20.00 awarded each year by the local chapter of Phi Kappa Phi to the graduating senior of any of the four colleges of the University who makes the highest scholastic record of his class. Miss Nell Pearce.

The Alpha Delta Pi Scholarship.—An annual $25 scholarship given by the Albuquerque Alumnae Club of Alpha Delta Pi to a sophomore woman majoring in art, on the basis of need and ability. Miss Beulah Katherine Sarrells, 1943-44; Miss Sara Jean Anderson, 1944-45.

The Phrateres Club Tuition Scholarship.—An annual $20 cash award to a sophomore Phrateres member, given by the Phrateres Mothers’ Club, on the basis of the highest scholastic average for the
ADMISSION AND EXPENSES

first year and one-half of course work, minimum load 15 hours. Miss Leonor Andrade.

Art League of New Mexico Scholarship.—An annual cash award to cover tuition in the summer school of Art, at Taos, awarded with the recommendation of the Art Department faculty of the University, on the basis of merit. (University award first time, 1942-43.)

Sigma Alpha Iota Patroness Award.—A $25.00 cash award to the music major upperclassman who has done outstanding work in music here and who needs the award for further study here either the summer or fall term following selection. Based on recommendations of the Music Department faculty. Miss Patricia Sanford.

Frederick Herbert Kent and Christina Kent Scholarships.—Three scholarships, awarded annually, to the high school students, residents of the state, who are deemed most worthy by the Superintendent of the Albuquerque city high school and the University. These scholarships will be paid in two installments upon registration in each of the two terms of the freshman year, contingent upon enrollment for a full course of study and successful scholastic work. Miss Lavada Frame, Miss Thalia Tachias, Mr. Jack Otis Fowler.

The George St. Clair Memorial Award.—A cash prize consisting of the interest from a memorial fund established by colleagues, students, and friends of George St. Clair, Professor of English, 1923-43, Department Head, Dean of the College of Fine Arts. The award is granted to the student who has made the greatest contribution in acting, stage design, lighting, or production in the Department of Dramatic Art. A faculty committee including the dean of the Fine Arts College, the head of the Department of English, and the head of the Department of Dramatic Art shall make the selection.

The Telfair Hendon, Jr., Memorial Award.—The interest on a fund of $500 established by John F. Hendon, in memory of his brother, Telfair Hendon, Jr., Fellow and Instructor in English, 1930-33, is given to the graduating senior who has achieved the highest scholastic record as a major in the Department of English. Miss Reba Rutz.

The Lenna M. Todd Memorial Prize for English Composition.—The interest from a trust fund of approximately $2,000 is available annually for a cash prize to be awarded to the student or students doing the best work in creative writing in the English department. This endowment was created by the will of Dana Paul Todd, as a memorial to his mother, Lenna M. Todd. Dana Todd, Class of '33, served in the United States Army in the Philippines and died in a Japanese prison camp at Osaka, on or about August 15, 1943. 1st, Mr. Robert Rhien; 2nd, Mr. Lee O. Miller; 3rd, Mr. Milford Hill; 4th, Mr. Harry Lee Ritter; 5th, Miss Patricia Denny.

The Rhodes Scholarships.—Suspended for the duration of the war.

Exchange with the National University of Mexico.—Under an arrangement entered into between the two Universities, students may be exchanged between the University of New Mexico and the National University of Mexico upon mutually agreeable terms.
The Dove Asch Award.—An annual cash prize of $10.00 to be given to the woman upperclassman, with a major or minor in physical education, on the basis of general excellence among the students in that department.

The William A. McCarthy Award.—An annual cash prize of $20.00 for the best research paper on the history of New Mexico. This award shall be made on the recommendation of the Department of History.
GENERAL ACADEMIC REGULATIONS

Class Hours and Credit Hours

A class hour consists of fifty minutes. One class hour a week of recitation or lecture, throughout a semester, earns a maximum of one credit hour. One class hour a week of laboratory, orchestra, chorus, or physical training, throughout a semester, earns from one-third to one-half credit hour. One half-hour individual lesson a week in applied music, throughout a semester, earns two credit hours.

Grades

The grades awarded in all courses are indicative of the quality of work done. Their significance is as follows:

A, Excellent. 3 grade points per credit hour.
B, Good. 2 grade points per credit hour.
C, Average. 1 grade point per credit hour.
D, Barely Passed. No grade points.
F, Failed. F is also given in any course which the student drops after the fourth week of a semester or second week of a summer session, while doing failing work.
I, Incomplete. The grade of I is given only when circumstances beyond the student's control have prevented his completing the work of a course within the official dates of a session. (See grade of PR.) The I automatically becomes an F if not removed (1) within the first twelve weeks of the next semester of residence, (2) within the next four semesters. The student may change the I to a passing grade by satisfactorily performing the work prescribed by the instructor. The student obtains from the office of his dean a permit to remove the I, pays the $2.00 fee, and takes the card to the instructor, who completes it and returns it to the office of the dean. The dean forwards this permit to the registrar where official entry on the student's record is made.
W, Dropped Without Discredit. W is given in any course which the student drops after the fourth week of the semester or second week of the summer session, while doing passing work.
CR, Credit. CR is used to report satisfactory completion of Master's thesis.
NC, No Credit. NC is used to report unsatisfactory completion of Master's thesis.
PR, Progress. This grade is used to indicate that master's thesis, or a graduate problem, is in progress but not complete. When the problem is complete, a regular grade is reported. When the thesis is complete, CR or NC is reported.
The mark of NR, No Report, is used only in registrar's grade reports to students and parents, to indicate that the instructor has not reported a grade.

Change in Grade.—No grade except I can be raised by a special examination. A grade of I can be changed to a passing grade in a
manner to be determined in each case by the instructor concerned, with the approval of the dean of the college. (See above.) Any other change in grade, after the grade is on record in the Office of the Registrar, may be made only after reasons for such change have been submitted in writing by the instructor concerned, and approved by the Committee on Entrance and Credits.

Scholarship Index

A student's academic standing is referred to in terms of a scholarship index obtained by dividing his total number of grade points by the total number of hours attempted.* All honors and prizes depending upon scholarship are determined by ranking students according to this index.

Grade Reports

At the end of the fourth week of the semester, the mid-semester (end of eighth week), and at the end of the semester, grades are reported, for all courses, to the Office of the Registrar.

Grades to Parents.—Copies of mid-semester and semester grades are mailed to parents of undergraduate students, with the exception of married students and students over 21 years of age.

Transcripts of Credits

Transcripts.—Each time a student completes work in the University, he is entitled to one complete transcript of record without charge. For each additional copy a charge of one dollar is made, except that when several copies are to be made at the same time, all copies in addition to the first will be charged for at the rate of twenty-five cents each.

If the student requires special statements to be made concerning his record, or if special forms are to be filled out, the transcript fee of $1.00 will be charged for such service.

Scholastic Status.—An undergraduate student has the status: "in good standing," "on probation," "General College," or "under suspension." The student "under suspension" may re-enroll at the expiration of the suspension period. Students under suspension from the General College may re-enter the University only through the General College. The status "General College" means that the student is not eligible for enrollment in a regular college without release from the General College by the dean.

Honorable Dismissal.—The status "in good standing," "on probation," or "General College," entitles the student to honorable dismissal, and on transcripts no separate statement of honorable dismissal is necessary. Whether he completes a semester, or withdraws with permission before the end of the semester, a student is entitled to honorable dismissal provided that he has the necessary scholastic status, and is in good standing regarding conduct and financial obligations. Honorable dismissal implies that the University will permit the student to re-register in the next session.

* Exclusive of hours in non-theoretical physical education and ensemble music.
Withdrawal from the University

When a student wishes to cancel his registration and withdraw from the University during the semester, he should secure a withdrawal card from the Personnel Office; the graduate student should secure the withdrawal card from the dean of the Graduate School. Grades of W or F are shown on the student's record if he withdraws from the University after the first four weeks of the semester or first two weeks of a summer session. When a student leaves the University during a semester and does not carry out his withdrawal according to this regulation, he renders himself liable for a grade of F in all of his classes, even though he is passing his courses up to the time of leaving.

Changes in Registration

Change in Program of Studies.—The student who desires to add a course to, or drop a course from, his program of studies, should obtain from his dean a petition for change of program of studies. The student obtains signatures called for on this form, and returns it to the office of his dean. The dean sends the form to the registrar's office where official entry is made on the student's record.

Students who drop a course at any time without permission will receive a grade of F in the course. A fee of $1.00 is charged for any change made in the student's program of studies after the end of the second week of the semester, or after the end of the first week of the summer session.

Change in Major or Minor.—By the middle of the sophomore year, each student should declare his major and minor study, and make his application for a degree. A form for this purpose may be obtained from the Office of the Registrar, and after completion of the form, it should be returned to that office. If the student later wishes to apply for a different degree, change his major or minor, or change his college, he should complete a new application for degree, and return it to the registrar.

Change in College.—A student who desires to change his registration from one college to another shall petition the dean of his college. This petition requires approval of the deans of both colleges and is then filed with the registrar.

Change in Address.—Each student is expected to keep the University authorities informed as to his address. Any change in address should be immediately reported to the registrar.

Addition of Correspondence or Extension Courses to Program.—A resident student may enroll for correspondence and extension courses only when the addition of such course does not cause the student's program to be in excess of the maximum load allowed, and only after permission has been given by the dean of his college.

Scholarship Regulations

The standing of students with respect to scholarship is checked at the end of each semester and summer session. At such times, students who are deficient in scholarship are placed on probation, or suspended, in accordance with the following regulations. A student placed on probation at any time will remain on probation until the next final examination period.
Probation.—A student is placed on probation at the end of any semester or summer session when the total number of points earned drops below two thirds (in General College, one half) of the total number of hours which he has attempted.* Hours given a mark of W will be excluded in this computation, but hours of F will be counted.

Suspension.—A student is recommended for suspension at the end of any semester or summer session when he is placed on probation for the second successive time. A student suspended from a four-year college may enter the General College on probation only in case the total number of his grade points remains above one half the total number of hours attempted.

A student who is suspended for poor scholarship, or who, after having been placed on probation at the end of the semester, fails to re-register for the following semester, or who withdraws from the University while on probation, shall be considered as on probation upon his return to the University, and the scholarship rules shall apply as though he had not been away.

A dean may require a student who is on probation at the time of registration to enroll for the minimum number of hours, and he may at any time require a student on probation to drop as many hours as seem to be in excess of the student's ability.

Suspension through Scholarship Committees.—Regulations on probation and suspension as described above apply only at the end of a semester or summer session. However, during the progress of any semester or summer session the dean of a college may refer the case of a delinquent student to a college committee on scholarship, and, after a hearing, such committee may recommend probation or suspension for such student. All cases recommended for suspension under these conditions must be referred to an all-University committee comprising one member from each of the college committees on scholarship. After hearing, the University Committee will make its recommendation to the Administration.

Attention is called also to the possibility of suspension as a result of excessive absence. See attendance regulations, p. 54.

College of Arts and Sciences.—A student who has earned 60 or more credit hours shall be placed upon probation at the end of any semester or summer session when the total number of points earned drops below the total number of hours he has attempted. A student is recommended for suspension at the end of any semester when he is placed on probation for the second successive time.

College of Education.—See section of catalog entitled “College of Education.”

General College.—See section of catalog entitled “General College.”

Examinations

Regular Examinations.—Examinations in each course are held at the close of each semester, and at intervals during the semester at the discretion of the instructor. All students, including graduating students, are required to take all examinations in their courses. No student shall, on account of absence from any examination, be permitted to receive a grade other than F in the course. The instructor may, at the beginning of a course, announce to the class that in case of absence from an examination the student shall receive a grade of F in the course, and may give a grade of F in the course unless the student be present at the examination. For absences from examinations caused by official business, absence from class, or illness, the instructor shall report to the dean of the college. All such absences must be reported before the examination of which the student is to be absent.

* Exclusive of hours in non-theoretical physical education and ensemble music.
seniors, are required to take semester final examinations, which are held according to a notice issued by the Schedule Committee.

Special Examinations.—A special examination is one taken at a time other than regularly with the class. Classified as special examinations are: examinations given to make up missed regular course examinations, examinations to validate or to establish credit, examinations to remove a grade of I, examinations for the removal of entrance deficiencies.

Entrance examinations for students deficient in entrance units, or for graduates of unaccredited or partially accredited high schools who must validate their unaccredited work, are given at the beginning of each semester to each student who desires to take them. These entrance examinations in the various high school subjects are not to be confused with the entrance tests which are required of all freshmen.

A fee is charged for all special examinations except the entrance examination. For a list of the special examination fees, see section of the catalog entitled "Admission and Expenses."

Before the student is admitted to a special examination, he must present to the instructor a permit signed by the dean of his college. The registrar issues permits for entrance examinations. For those examinations where a fee is required, the permit must show the comptroller's receipt of the fee.

Examination for Advanced Standing.—A student in residence in an undergraduate college shall have the privilege of passing a course in the University by special examination without attendance upon the course, and receive undergraduate credit therefrom, such privilege to be subject to the following restrictions:

1. He shall not have been previously registered in the course in any division of any college or university.

2. The applicant shall have a scholarship index of two or more in a normal program of studies completed during the last semester (or last two summer sessions) in residence, and he shall be doing superior work at the time of taking the examination.

3. The examination shall have the approval of the dean of the college, the head of the department, and the instructor concerned.

4. The applicant shall obtain from the dean of his college a permit for the examination, and shall pay in advance the required fee of $2.50 per credit hour.

5. The student shall obtain in the examination a grade not lower than C, and shall show a mastery of the course acceptable to an examining committee of three, appointed by the dean, including the instructor and the head of the department concerned.

6. Credits earned through advanced standing examinations do not apply to residence requirements.

Dishonesty in Examinations.—A student found guilty of dishonest practices in a quiz, test, examination, or other work will be subjected to disciplinary measures. Dismissal from the University will result in cases where the offense is flagrant.
Attendance

Students are expected to attend all meetings of the classes in which they are enrolled. No extensions of the vacation periods are given to any students, regardless of the location of their homes. Non-attendance at classes due to late registration is considered the same as absence incurred after registration.

Instructors will keep a record of class attendance, and will report excessive absences to college deans. A student with excessive absences may be dropped from a course with the grade of F, by the dean of the college, upon recommendation of the instructor. The dean may recommend suspension from the University, on the grounds of neglected duty, when a student has thus been dropped from two courses.

Absences due to illness, field trips, athletic trips, etc., are to be reported by the student to the instructor and to the Personnel Office. Such report does not relieve the student of responsibility for lost work. It is the duty of the student to take the initiative in arranging with his instructors to make up work missed.

Students who are absent and unexcused from final examinations or other closing exercises of the classes in which they are enrolled, shall be given the grade of F. A grade of I may be given when there is valid reason for absence from the examination.

University Assemblies

Regular assemblies are scheduled each month, but special meetings may be called by the President of the University, or by the Student Council with the concurrence of the Administration.

Attendance.—Attendance is required at regular assemblies, but not at special assemblies, unless it is so announced at the time.

Absences.—It is necessary for a student to obtain from the Personnel Office an excuse for any absence immediately before or after the absence is incurred.

Programs.—Lectures and addresses are delivered on various topics of interest by members of the faculty, and by visitors to the University and to the city; musical and dramatic recitals, and contests in oratory and debating are held. A fair share of the time set apart for assemblies is given to the Associated Students for the transaction of their business.

Degree Requirements

For information concerning the various degrees offered, and for course and scholastic requirements leading to these degrees, students should refer to those sections of the catalog devoted to the colleges.

Two undergraduate degrees may not be granted a student until he has earned the equivalent of five years' college work and has fulfilled all requirements for both degrees. A transferring graduate should notify the registrar when applying for admission if he plans to work for a second undergraduate degree.

Notice of Intention to Complete Degree Requirements.—At the middle of the sophomore year, all candidates for degrees are required to file in the Office of the Registrar applications for degrees. Necessary forms may be secured from that office.
Specific Courses Required.—Four semester hours of required physical education (or equivalent N.R.O.T.C. credits) shall be completed by all students in the University. Students over thirty years of age are exempted from the physical education requirement.

An orientation course is required of all students in their freshman year, except those who enter the University with as many as twenty hours of college work.

For specific requirements leading to degrees in the various curricula, students should refer to the courses of study outlined in the listings of the different colleges.

Dividends and Penalties.—For every 15 semester hours of A, or for every 30 semester hours of B, the hours required for graduation are reduced by one. The maximum of such dividends allowed is four. For every 15 semester hours of D, the hours required for graduation are increased by one. No dividends or penalties are given in the College of Engineering. Dividends and penalties are assessed only on work done in residence at the University of New Mexico.

Senior Residence Requirements.—Residence credit is defined as credit earned by attendance in regular classes on the University of New Mexico campus or in one of its field sessions. Credits earned through the Extension Division or by examination are not counted toward the residence requirement.

Students who have done less than 60 semester hours in residence previous to senior status (see “Classification of Students”) shall earn 30 hours in residence in the senior year.

Students who have done 60 semester hours, but less than 90, in residence previous to senior status, shall earn 24 semester hours in residence in the senior year.

Students who have done 90 or more semester hours in residence previous to senior status shall earn 18 hours in residence in the senior year.

In no case is the number of hours specified to be earned in the senior year to be interpreted as necessarily the last hours.

Students may fulfill part or the whole of this residence requirement by summer session attendance.

Residence Requirements in Major and Minor.—At least one half of the minimum number of credit hours required for major study and one fourth of the minimum number of credit hours required for minor study must be class or laboratory work earned in residence in the University. When a senior transfer student plans to complete a major by presenting credit hours earned in residence at another institution, the departmental adviser may modify this ruling, not, however, below the minimum residence requirement for the minor.

Extension and Correspondence Hours Allowed Toward Degree.—As many as 40 semester hours in University extension and correspondence courses will be allowed toward the bachelor's degree provided that at least 10 of the 40 have been earned in extension courses taught by regular resident instructors of the University.

Credit will be allowed for extension and correspondence courses completed in institutions which are on the approved list of the National University Extension Association, of which the University is a
member. Credit for extension and correspondence courses completed in institutions which are not on the approved list of the N. U. E. A., will not be allowed until the student has successfully passed a validating examination covering each course.

Commencement

Normally, commencement exercises are held at the end of Semester II. Students who complete their requirements in an off-session receive their diplomas at the next regular commencement. For the duration of the war, however, it is possible that the regular pattern will not be followed.

Students must participate in the commencement exercises at the time of receiving diplomas, unless excused by the president of the University.

Graduation with Honors

The Degree with Distinction.—All senior students having scholarship indexes which rank them in the upper 5 per cent of the graduating class of the University will be graduated "With Distinction." Ranking will be based upon all work taken at the University of New Mexico. Transferred students must present a minimum of 45 credit hours earned at this institution to obtain these honors.

The Degree with Honors (Honors Work).—The University faculty has created a Division of Honors Work under which the baccalaureate degree with honors may be earned. For details of the plan see "Division of Honors Work."

Division of Honors Work

Purpose.—The purpose of the Division of Honors is to afford abler and more ambitious students opportunity to pursue with a certain degree of independence a program of studies which will extend and intensify their knowledge of the field of their major or minor studies, develop their initiative and self-guidance, and their critical and creative ability. This program may lead to the baccalaureate degree with honors.

Eligibility.—Students in all undergraduate colleges will be permitted to undertake and to continue Honors work, when, upon the basis of their previous records, entrance tests, and university records, they show, in the judgment of the Committee on Honors Work, promise of fine scholarly achievement. There must be other promise than that indicated by an average of B or better.

Types of Honors Projects.—(A) Projects which will extend Honors students’ knowledge of their major or minor field, especially by filling up the interstices between their regular courses. Each semester’s work should be terminated with an examination covering such work.

(B) Projects of the nature of intensive study designed to develop critical and creative ability, or in other words, an undergraduate grade of research, extending through one semester or a whole academic year, and terminating in a thesis.

Procedure.—(1) Students designated by the Committee as eligible at the beginning of their sophomore year may elect Honors 51.

(2) Sophomores and juniors should preferably undertake honors
work projects of type A, and seniors should preferably undertake honors projects of type B. Projects should be organized to earn, normally, 1 to 3 credit hours per semester.

Privileges.—(1) Honor students will receive special consideration if they find it necessary to make application to University agencies for financial aid.

(2) All students carrying Honors work are eligible for auditing privileges and may obtain Honors Audit Cards from the dean's office.

(3) Juniors and seniors carrying Honors work are eligible for stack privileges at the Library.

(4) The best senior theses each year will be recommended to the Committee on Publications for publication as a University bulletin or for deposit in the library.

For further information on regulations and requirements for Degrees with Honors, consult the chairman of the Committee on Honors Work.
Purpose and Function

The College of Arts and Sciences attempts to supply the cultural training which should underlie the more specialized work of the graduate, professional, or vocational school. The materials for this training are provided by the interests and achievements of man as they appear in his cultural records, his social institutions, and his investigation of natural laws.

Degrees

Upon the recommendation of the faculty and the president of the University, the degree of Bachelor of Arts is conferred by the Regents upon those candidates who have completed all specified requirements. Candidates who complete the requirements with majors in dietetics, mathematics, or the sciences will receive the degree of Bachelor of Science, unless special request is made for the Bachelor of Arts degree. Similarly, those who complete the requirements with a major in Business Administration will receive the degree of Bachelor of Business Administration. For requirements leading to the degree of Bachelor of Business Administration, see section of catalog entitled “Department of Economics and Business Administration.”

Relation to Professional and Vocational Courses

The Bachelor of Arts and the Bachelor of Science degrees of the College of Arts and Sciences are based upon cultural, rather than professional or vocational courses. The courses preparatory to law, medicine, and the other professions are planned and taught as cultural subjects, and do not infringe upon the work of the professional school. No vocational courses offered in the General College are accepted. Concerning the limited acceptance of work in education, engineering, law, medicine, and fine arts, see Electives and Special Curricula.

Graduation Requirements

Candidates for the degree of Bachelor of Arts or Bachelor of Science are required to complete a total of 124 semester hours in academic subjects, and 4 semester hours in physical education (or equivalent N.R.O.T.C. credits). In the first two years, or Lower Division, the student is expected to acquire certain basic essentials and to explore several different fields to determine where his interests lie. In the last two years, or Upper Division, the student devotes himself to his major and minor, and to such other subjects as he may wish to take.

Lower Division Requirements

1. At least 60 semester hours in courses acceptable toward graduation, in addition to 4 semester hours in physical education (or equivalent N.R.O.T.C. credits).

2. A one-point index for the total number of hours which the student has attempted.*

*Exclusive of hours of non-theoretical physical education and ensemble music.
3. The completion of Orientation 9, physical education, and group requirements as described below.

4. Successful conclusion of a proficiency examination in English.

5. In all subjects except foreign language, students in the Lower Division are restricted to courses numbered below 101, with the provision that a student may be admitted to Upper Division courses at the discretion of the dean of the college: (1) if he has completed within 7 hours of the group requirements, of which not more than one hour shall be in physical education, nor more than 6 hours in foreign language; (2) if he has completed not less than 53 credit hours, exclusive of physical education, earning at least a one-point index for all hours which he has attempted; and (3) if the remaining requirements appear upon his program.

6. Students in the Lower Division may not carry more than 8 hours in one department during one semester. (Exceptions may be made in the case of pre-medical students.)

7. Not more than 50 hours in courses open to freshmen may be taken without a penalty of 1 hour for every 3 excessive hours.

8. Exceptions to any of these rules may be made only upon recommendation of the dean.

Upper Division Requirements

1. Completion of at least 40 hours in courses numbered above 100 with at least a one-point average in all such hours carried.

2. Completion of at least one major and one minor, or two majors.

3. Grade-points equal to the total number of hours which the student has attempted.*

Group Requirements

In keeping with the exploratory aim of the Lower Division, the student distributes part of the work of his first two years among the four following groups of subjects. The acceptability of transferred work toward fulfilling the group requirements lies in the judgment of the registrar and the dean of the College.

I. English.—Six semester hours must be earned in English 1 ab, and 3 additional credit hours must be earned in a course in literature numbered above 50. Failure to pass the sophomore English proficiency test at first trial will result in an additional requirement of three hours of sophomore composition.

II. Foreign Language.—A student who has been admitted with no credit in a foreign language, or who begins a language in which he has done no work in high school is required to complete four semesters or twelve credit hours in one foreign language.

Other students continuing a language begun in high school will be tested and assigned to courses according to ability shown. Such students will then complete the remainder of the twelve hours required.

III. Social Sciences.—Nine semester hours (not more than 6 from one department) must be completed in approved† courses in the De-

*Exclusive of hours in non-theoretical physical education and ensemble music.
†For approved courses, see Departments of Instruction.
departments or Anthropology, Economics and Business Administration, History, Government and Citizenship, Philosophy, Psychology, or Sociology. A student admitted with less than 1 unit in social science is required to complete 12 hours in this group.

IV. Mathematics and Sciences.—Eleven semester hours (not more than 8 from one department, and including 2 semesters in courses that require laboratory work) must be completed in approved† courses in the Departments of Biology, Chemistry, Geology, Home Economics, Mathematics, Physics, or Psychology. A student admitted with high school deficiencies in both mathematics and science is required to complete a total of 17 hours in this group.

Major and Minor Studies

A student admitted to the Upper Division shall declare his major subject, and his program of studies thereafter shall meet with the approval of the head of the major department. A major regularly consists of not less than 24 hours in approved courses. The student must also complete, in another department, a minor of not less than 12 semester hours. The selection of the minor is subject to the approval of the head of the student's major department.

Only work of at least C quality is accepted toward the major and the minor; courses in which grades of D are earned may be accepted as electives toward graduation.

Electives

A student who has fulfilled all other requirements for graduation may use electives to complete his total of 124 hours for graduation, subject to the following restrictions:

A maximum of 24 hours, in any combination, earned in courses offered in the Colleges of Engineering, Education, and Fine Arts, or in Naval Science, is acceptable as electives in the College of Arts and Sciences, with the following exceptions:

(1) All theory and methods courses in physical education.

(2) All courses in education in methods, supervision, and practice teaching.

(3) In excess of 4 hours in ensemble music.

Such electives may, upon faculty approval, meet the requirements for a minor in the College of Arts and Sciences.

A major in dietetics leading to the degree of Bachelor of Science in Home Economics may be given in special cases upon approval of the College.

The normal program for a student intending to graduate in four years is 16 hours a semester. Seventeen hours, plus one semester hour of physical education (or military drill in the case of N.R.O.T.C. students), is the maximum, except by petition to the Committee on Scholarship, which may, at its discretion, grant up to 19 hours (including non-credit courses). Ordinarily, a petition for excessive hours will not be considered unless the student has in the preceding semester made a grade of B in more than half of his hours, and no grade below C.

† For approved courses, see Departments of Instruction.
Normal Freshman Program.—Following is the standard freshman program; necessary deviations from it should be made only after consultation with the faculty adviser.

<table>
<thead>
<tr>
<th>First Half</th>
<th>Second Half</th>
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<tbody>
<tr>
<td><em>English 1 a</em></td>
<td><em>English 1 b</em></td>
</tr>
<tr>
<td>Foreign Language</td>
<td>Foreign Language</td>
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<tr>
<td>Social Science</td>
<td>Social Science</td>
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<td>Natural Science or Mathematics</td>
<td>Natural Science or Mathematics</td>
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<tr>
<td>Orientation</td>
<td>Physical Education</td>
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<tr>
<td>Physical Education</td>
<td>Additional group requirements</td>
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<tr>
<td>Additional group requirements</td>
<td><em>Naval Science</em></td>
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</tbody>
</table>

Pre-Professional and Other Special Curricula

Students are cautioned against assuming that four-year college courses always prepare for professional work. At least one year of specialized graduate work is advisable, even if not actually required.

Combined Curriculum in Engineering and Arts and Sciences.—Degrees in both the College of Arts and Sciences and the College of Engineering may be obtained by following a five-year curriculum, to be outlined in each case, jointly, by the deans of the two colleges. Any student interested in this curriculum should confer with the deans before the end of the sophomore year. For students interested in careers in countries to the south of the United States, attention is called to a major in inter-American affairs along with engineering.

Senior Year in Medicine or Law.—A candidate for the bachelor's degree may offer, in lieu of the last thirty hours at the University of New Mexico, the full first year's work (satisfactorily passed and properly certified) in an approved school of law or medicine requiring three years for entrance, provided: (1) that written notice of this intention be submitted to the dean before the end of the junior year; (2) that the first three years of work (94 semester hours and 4 P. E.) shall have been taken in residence at the University of New Mexico; (3) that, before entrance into the professional school, the candidate shall have completed all specific and group requirements, and major and minor requirements, in accordance with University regulations; (4) that at least 75 per cent of the hours completed before entrance into the professional school shall have been of C grade or better, and that the total of grade-points shall at least equal the total number of hours which the student has attempted.

Curriculum Preparatory to Forestry.—Openings in the field of forestry have been greatly diminished in recent years. Only students with special talents and high scholastic average should undertake such preparation. Information regarding it may be obtained from the Department of Biology.

For Curricula Relating to Inter-American Affairs see pp. 65-73.

Curriculum Preparatory to Journalism.—The journalist needs great breadth of preparation. In addition to courses giving actual instruction and practice in writing, he should include in his curriculum,
preferably, more than one foreign language and studies dealing with both history and the current aspects of all major social movements. It should be kept in mind, however, that the sciences, all the other professions, and business offer abundant opportunity for writing as an avocation (not a vocation), and it is only the person of rare talent who can make a profession solely of writing. The pre-journalism student should consult members of the Department of English for advice on his courses.

Curriculum Preparatory to Law.—The law touches life at so many points that the student preparing for it should seek broad preparation in English composition and speech, history, economics, politics, philosophy, language and literature, logic, and mathematics. If he wishes to become versed in the history of law, he must possess a sound knowledge of Latin.

Curriculum Preparatory to Medical Technology.—Besides regular requirements and prerequisites, a three-year curriculum has been arranged which includes: Biology 93 L, 132 L, 143 L, 144 L; Chemistry 52 abL, 102 abL, 104, 105 L; Physics 1 abL. Candidates are urged to complete a major in either biology or chemistry, and adjustments in courses named above may be made by the department head. A year's work in more technical subjects and a year of practical hospital experience are also required for the professional degree.

Curriculum Preparatory to Medicine.—The minimum of college hours required for admission to medical schools approved by the Association of American Medical Colleges and by the Council on Education of the American Medical Association, is 60 semester hours in a college of arts and sciences. Since the admission requirements vary, the pre-medical student should familiarize himself with the requirements of the particular school he wishes to attend.

At the University of New Mexico the war-time curriculum for the first two years for these students is as follows:

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<tr>
<th>First Year</th>
<th>Second Year</th>
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<tbody>
<tr>
<td>English 1 ab</td>
<td>3-3 English &amp; Psych. 51 L</td>
</tr>
<tr>
<td>French or German</td>
<td>3-3 French or German</td>
</tr>
<tr>
<td>Chemistry 1 abL</td>
<td>4-4 Chemistry 51</td>
</tr>
<tr>
<td>Biology 1 abL</td>
<td>4-4 Chemistry 52 abL</td>
</tr>
<tr>
<td>Social Science &amp; Math, 16</td>
<td>3-3 Biology 71 L and 121 L</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1-1 Physics</td>
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<td></td>
<td>Physical Education</td>
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Curriculum Preparatory to Public Administration.—In addition to other Lower Division requirements and prerequisites, the following courses are required: Economics 51 ab, 140, 152, 165; Business Administration 53 abL; Government 1 ab, 51 ab, 75, 76, 121, 131, 141, 167; History 11 ab, 178. Consult the Department of Government for further details.

Curriculum Preparatory to Public Financial Administration.—Besides regular requirements and prerequisites, the following courses are required: Business Administration 53 abL, 102, 103 ab, 107 ab, 109, 110, 112; Economics 51 ab, 111, 152, 165; Government 51 ab, 167, 175; Mathematics 14. Consult the Department of Economics and Business Administration for further details.

Curriculum Preparatory to Social Work.—This curriculum calls for a major in sociology and a minor in psychology, economics, or
government, depending upon the student's intention to enter case work, statistical work, or administrative work. Consultation should be held with the head of the Department of Sociology before the beginning of the third year. During the first two years, besides other Lower Division requirements, the course should cover: four semesters of Spanish (for those who plan to work in New Mexico) and Sociology 1 ab, 51, 72, as well as prerequisites for courses in the minor. Also, with this preparation the student may enter a professional school of social work, rather than pursue the major and minor at this institution.

COLLEGE OF ARTS AND SCIENCES
SCHOOL OF INTER-AMERICAN AFFAIRS

General Information

An ever-growing number of people are realizing that a better understanding of, and closer and more satisfactory relationships with, the other nations of the Hemisphere are among the most vital needs of the United States today.

All over the country interest in the study of Spanish and Portuguese and of the history, literature, arts, and present social, economic, and political problems of our Latin-American neighbors is increasing. In many cases, however, high schools and colleges find it difficult to secure sufficiently trained teachers for presenting these subjects. There is also a growing demand on the part of business firms and official and private agencies engaged in inter-American work for persons with a sound knowledge of the "other Americas."

The University of New Mexico enjoys an exceptionally favorable position for the study of inter-American and regional economic and cultural problems. Nowhere else does one find the three chief ethnic elements of the Americas—Indian, Hispanic, and Anglo-Saxon—living together in large numbers with a common national allegiance, and maintaining their traditional cultures. About half the population of the state speak Spanish as a native language, and a good many of the problems presented by our Southwestern region are closely integrated with those of inter-American relations. Because of geographic proximity and common human and scientific interests, New Mexico has maintained close bonds with our good neighbor, Mexico, who has provided us with a solid introduction to Latin America.

For these reasons, the University of New Mexico has, for a number of years, devoted particular attention to Latin-American and Southwestern studies. A special appropriation of the State Legislature made possible the expansion of this work and the establishment of the School of Inter-American Affairs in the fall of 1941.

The new School is a coordinating administrative unit operating under the College of Arts and Sciences and the Graduate School, through an interdepartmental committee including representatives from those departments in the College of Arts and Sciences and other colleges of the University concerned with its activities.

* An Orientation Lecture on Inter-American Affairs adequately explaining the nature and scope of this field of study, its importance, and the opportunities opened to its graduates, etc., will be sent free of charge upon request to the director of the School.
The offerings in the field of Inter-American Affairs have been co-ordinated and developed into several interdepartmental curricula:

I. B.A. in Inter-American Affairs, with specialization in four directions: Historical and Cultural; Business Administration; Social, Economic, and Political Affairs; and Regional (The Hispanic Southwest.)

II. A two-year course for Secretary-Interpreters Specializing in Inter-American Relations.

III. A one-year post-graduate course in Inter-American Relations for majors in science departments and graduates of technical schools.

Though Portuguese is not made a required study in the various curricula in Inter-American Affairs, the School urges its students to elect it and to equip themselves with at least a reading knowledge of the language.

To help in the placement of students, the School maintains contact with business concerns, state and federal agencies, and other organizations interested in the field. A directory is being organized with as much data as possible on the opportunities open to the graduates of the School.

Scholarships

All-University Latin-American Scholarships.—In the academic year 1945-1946, the University of New Mexico is offering two scholarships covering tuition and room and board and four covering tuition only to qualified graduate and undergraduate students from any Latin-American countries who are planning to pursue studies in any of the departments of the University. These scholarships have been established by the Regents and are administered jointly by the University and the Institute of International Education. Information may be obtained from the director of the School of Inter-American Affairs.

Scholarships in Inter-American Affairs.—The School of Inter-American Affairs is offering in the academic year 1945-1946 two tuition-plus-$250 scholarships and four tuition scholarships in the general course leading to a B.A. in Inter-American Affairs and in the Secretary-Interpreters Course. These scholarships are open to well-qualified graduates of high schools of the State of New Mexico who deserve financial assistance and who are planning to enter the University as freshmen. It also offers one tuition-plus-$250 scholarship and two tuition scholarships to undergraduates other than freshmen or graduate students from New Mexico or outside the state. For application forms and further information address the director of the School.

General Curriculum in Inter-American Affairs

The curriculum leading to a B.A. with a major field of concentration in Inter-American Affairs has been designed to provide a general basic training in fundamental subjects and at the same time a wide choice of supplementary courses to meet individual needs and preferences.

The emphasis of this major field of concentration is not on

* Ten All-University Latin-American scholarships and sixteen scholarships to students from New Mexico and other states have been granted since the establishment of the School in 1941.
language study but rather on the social sciences with particular attention to the Hispanic countries. However, proficiency in Spanish will be a basic requirement since students are expected to use the language as a tool in the various courses of Hispanic content given in other departments.

Attention is also called to the fact that this is not a departmental major, but a major regional field of concentration, integrating the studies of Hispanic content and allied subjects offered by the various departments. Even granting the regional character of the major, the program of studies devised is sound academically, presenting as it does a wide and representative training in the liberal arts.

Because of its comprehensive and integrated concentration in the field of Inter-American Affairs, this major permits no minors in the departmental sense, nor can a minor be taken in Inter-American Affairs. However, students may earn the credit equivalent of minors and even majors in other departments.

A close examination of the subjects required as Gateway and Basic Courses and of the wide range of electives allowed will show the variety of content and flexibility of the major. As a matter of fact, this curriculum would admirably serve for those students not necessarily interested in utilitarian pursuits in the field, but wanting to get, within the scheme of a well-rounded college education, a solid acquaintance with Latin-American problems for the general purpose of developing an enlightened inter-American consciousness in whatever occupation they may enter.

**GATEWAY COURSES (Required)**

*(To be taken in the freshman and sophomore years)*

- **Economics 51 a. Introduction to Economics** 3
- **Government 51 a. American Govt. and Politics** 3
- **History 1 ab. Western Civilization** 6
- **History 11 ab. History of the Americas** 6
- **Sociology 73 ab. Introduction to Latin America** 6
- **Sociology 4. Principles of Sociology** 3

Total credits 27

**BASIC UPPER DIVISION COURSES (Required)**

*(To be taken by juniors and seniors)*

- **Anthropology 119. Races and Cultures of Europe (2 cr.); or**
- **Anthropology 146. Geography of the Pacific Area (2 cr.); or**
- **Anthropology 188 a. Cultural Geography (3 cr.).**
  
  *(Prerequisite: Sociology 73 ab)* 2-3

- **Anthropology 188 b. Cultural Geography. (Prerequisite: Sociology 73 ab)** 3

†**Biology 105. Ethnobiology of the New World** 3

- **Economics 121 ab. Economics and Trade of Latin America.**
  
  *(Prerequisites: Economics 51 a and Sociology 73 ab)* 4

- **Government 154. Latin-American Diplomacy. (Prerequisites: Government 51 a and Sociology 73 ab)** 3

* For fuller description of the courses see Departments of Instruction.

† The prerequisite of 8 hours of Biology is waived for majors in Inter-American Affairs. Can be applied toward the Group IV requirement in Mathematics and Science. (See p. 61.)
Government 155. Governments of Latin America. (Prerequisites: Government 51 a and Sociology 73 ab) 3

History 161 ab. History of Latin America (6 cr.); or
History 163. The A.B.C. Powers in Recent Times (3 cr.); or
History 168. Mexico and the Caribbean (3 cr.) 3-6

Philosophy 123. Hispanic Thought 2

Sociology 111 ab. Social Problems of Latin America. (Prerequisites: Sociology 4 and 73 ab.) 4

Required of all students in this major: Economics 121 ab and Biology 105 7

To be chosen from among the courses listed in Anthropology, Government, History, Philosophy, and Sociology. (Courses listed here when not included in this count are acceptable as electives) 17-18

Total credits 24-25

Computation of Credits.—Required for the B.A. degree: 124 credits (plus 4 semester hours in Physical Education) to be met as follows:

Group I. English Requirement: English 1 ab and 3 credits in a course in literature numbered over 50 9

*Group IV. Mathematics and Science Requirements: The requirement for all students in Mathematics and Science is 11 credits. Biology 105 (a basic required course in this major) counts three credits. Remainder 8

Gateway Courses: (Will meet Group III, Social Sciences Requirement) 27

Basic Upper Division Courses 24-25

Elective and Spanish Courses: At least twenty credits exclusive of Spanish elected from among those listed under "Supplementary Courses (Elective)." Portuguese and other modern languages may be considered electives in this group of 20, but not to exceed 12 credits. The required Spanish courses are 93 ab or 95-96 (4 cr.); 131 ab or 145 ab (4 cr.) and 157 ab or 163 ab (4 cr.). (Will meet Group II. Foreign Language Requirement.) Note: Students may be absolved from the Spanish requirement by passing reading knowledge or proficiency examinations, corresponding to the attainment of two and four years of college Spanish, respectively 56-57

Total credits 124-126

Degree and Specialization Groups.—The degree granted will be a B.A. in Inter-American Affairs. Students, however, should consult the director of the School and apply their electives for further specialization in any of these aspects of the major field:

I. Historical and Cultural.
II. Business Administration.
III. Social, Economic, and Political Affairs.
IV. Regional (The Hispanic Southwest).

* Because of the great usefulness of scientific preparation in the Latin-American field, students with ability for science study are urged to devote as many electives as possible to science. On consultation with the director of the School, other science courses not listed as electives will be allowed as such.
Supplementary Courses (Elective).—Listed below by numbers are the courses recommended as electives. For full description see the sections of the various departments. For their application to the specialization groups, consult the director of the School.

Many of these courses have certain departmental admission requirements which the student must meet. In order to facilitate the enrollment of majors in Inter-American Affairs, however, certain departments have found it possible, without detriment to their standards of work, to waive all or part of their prerequisites for admission to some of the courses listed as electives. The School will make available to students and faculty a detailed statement as to prerequisites.

Note that by faculty regulation, a maximum of 24 credits in colleges other than Arts and Sciences (i.e., Education, Fine Arts, Engineering), with certain exceptions, may be applied toward a B.A. degree in that College.

Anthropology, 53 ab, 55, 70, 95, 101, 102, 105 ab, 110, 113, 138, 140, 142, 146, 148, 164, 171, 180, 181, 182, 183, 184, 190, 198, 199 F.
Architecture, 13 ab, 53 ab.
Art, 25, 52 ab, 75 ab, 125, 133 ab, 152 ab, 153, 175 abcd.
Biology, 41*, 163 L, 171 L.
Dramatic Art, 3 ab, 10 ab, 92 ab.
Education, 101, 102, 105 ab, 107, 109, 112.
English, 51 ab, 54, 55, 58, 63, 64 ab, 68, 75 ab, 77, 80, 82, 85, 132, 147, 149, 161, 164, 165, 166.
Geology, 54*, 61*, 105, 182.
History, 31, 51 ab, 71 ab, 102, 107, 122, 123, 141 ab, 146, 151, 165, 171, 173 ab, 178, 181 ab, 191 ab.
Library Science, 21.
Mathematics, 14*, 42*, 131 ab.
Modern Languages and Literatures, French, German, and Italian; Portuguese, 75 ab, 151, 157.
Music, 36 ab, 163 ab, 165 ab, 171, 172, 180, 193.
Philosophy, 40, 53, 55, 56, 64, 72, 74, 102, 141 ab, 176, 191 ab.
Physics, 117 abL*.
Spanish, 55 ab, 91 ab, 93 ab, 95, 96, 101 ab, 105 ab, 107 abc, 121 ab, 125 ab, 131 ab, 145 ab, 151 ab, 153, 157 ab, 163 ab, 165 ab, 171, 180 abc.

Other Advanced Courses.—Attention is called to senior seminars, problems, or advanced reading courses in the Departments of Anthropology, Art, Dramatic Art, Economics and Business Administration, English, Government and Citizenship, and Sociology, where well-qualified students may pursue studies in the Southwestern or Latin-American field under supervision of some member of the departmental staff.

Summer Session.—For other courses which may be credited to the Gateway, Basic, or Supplementary Groups in this major, and which

* Can be applied toward the Group IV requirement in Mathematics and Science. (See p. 61.)
are offered occasionally in the summer, please consult the Summer Session Bulletin under the section "School of Inter-American Affairs."

For advanced standing admission to this major, sample program of electives, Spanish in relation to electives, and other information, consult the director of the School.

Master's Degree in Inter-American Affairs

Facilities for graduate work in the field of Inter-American Affairs leading to the degree of Master of Arts have been provided through inter-departmental committees within the Graduate School which will approve and supervise programs of study correlating the various subjects offered by the departments. The individual needs of students and preferences for certain lines of specialization will be taken into consideration.

Students will be admitted to graduate study in Inter-American Affairs with (a) the degree of Bachelor of Arts with a major in Inter-American Affairs from the University of New Mexico, or its equivalent from another institution; or (b) the degree of Bachelor of Arts with a minimum of fifteen hours in Latin-American studies and a reading knowledge of Spanish.

For further information see the Graduate School Bulletin.

A Two-Year Course for Secretary-Interpreters with Specialization in Inter-American Relations

New Mexico occupies a very advantageous position for training of this type. Over half the population of the state is of Spanish speech and descent, and a large proportion of the graduates of high schools have received an intensive training in the Spanish language. It should be possible therefore to develop adequately in the space of two years the student’s proficiency in this five-angled field:

(a) English practice and expression and their relation to Spanish.
(b) Spanish practice and expression and their relation to English.
(c) A reading knowledge of Portuguese.
(d) A general knowledge of Latin-American countries and of sources of information.
(e) Secretarial technique, including typing and shorthand, both in English and Spanish.

Inasmuch as Spanish is a living tongue in New Mexico, graduates of this vocational course, whether of Spanish or Anglo-Saxon descent, after they have perfected their knowledge of spoken and written English and Spanish, should be expected to be able to act not only as secretaries but as interpreters as well. The demand for bilingual young men and women thus equipped is very great at present not only in the governmental, business, and cultural circles of this country, but also in those of the Latin-American countries.

The curriculum for this course aims to balance the training in secretarial technique and practice with academic studies which will increase the intellectual outlook and competence of the student and qualify him for positions of responsibility.
This course is articulated with the General Business Course given in the General College and the B.A. in Business Administration (See pp. 156, 81) and will be under the direction of a Committee on Secretarial Training composed of the head of the Department of Economics and Business Administration (Chairman) and representatives from the College of Education and the School of Inter-American Affairs. The College of Education offers a teachers' course in commercial subjects.

**Admission.** — Students will be admitted from accredited high schools. They must present at least 4 units of high school Spanish, or two years of college Spanish or its equivalent, or pass a reading knowledge test in the language.

### Curriculum

**First Year**

<table>
<thead>
<tr>
<th>First Half</th>
<th>Second Half</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 1 a. English Composition</td>
<td>English 1 b. English Composition</td>
</tr>
<tr>
<td><em>Spanish 93 a. Interm. Comp. &amp; Conv. (3rd Yr.)</em></td>
<td><em>Spanish 93 b. Interm. Comp. &amp; Conv. (3rd Yr.)</em></td>
</tr>
<tr>
<td>†Portuguese 75 a. Portuguese</td>
<td>†Portuguese 75 b. Portuguese</td>
</tr>
<tr>
<td>History 11 a. Hist. of the Americas</td>
<td>History 11 b. Hist. of the Americas</td>
</tr>
<tr>
<td>Typewriting</td>
<td>Typewriting</td>
</tr>
<tr>
<td><strong>Total credits</strong></td>
<td><strong>Total credits</strong></td>
</tr>
<tr>
<td>16</td>
<td>16</td>
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</table>

**Second Year**

<table>
<thead>
<tr>
<th>First Half</th>
<th>Second Half</th>
</tr>
</thead>
<tbody>
<tr>
<td>†Portuguese 151. Survey of Port. Lit.</td>
<td>†Portuguese 157. Survey of Brazilian Lit.</td>
</tr>
<tr>
<td>Sociology 73 a. Intro. to Latin America</td>
<td>Sociology 73 b. Intro. to Latin America</td>
</tr>
<tr>
<td>(Spanish)</td>
<td>Elective</td>
</tr>
<tr>
<td><strong>Total credits</strong></td>
<td><strong>Total credits</strong></td>
</tr>
<tr>
<td>16</td>
<td>16</td>
</tr>
</tbody>
</table>

The above program is devised for students not having had any previous business training. It will be adjusted according to the preparation of the student. For instance, in the cases of students with a knowledge of general typing and shorthand or advanced proficiency in Spanish, the corresponding credits will be earned in other courses recommended by the director of the School in consultation with the Committee on Secretarial Training of the School. It should also be possible to speed up the training in typing and shorthand through competence tests, thus releasing some of the credits for electives.

This Course will in all likelihood be pursued by college graduates who now enter business schools to gain secretarial training. Such students will already have credits for English Composition, and may, therefore, use the equivalent hours for electives. In general, students will be permitted to take examinations in any of the courses listed, and if they pass them, the credits involved will be released for electives.

* The Spanish courses will have a laboratory period for intensive extemporaneous oral practice and for study of the fine points in the translation of one language into the other.

† Though strongly recommended, Portuguese is an optional study. Students may use these credits for approved electives from a list drawn by the Committee on Secretarial Training of the School.
The following courses are generally recommended:

- Business 3 abL Bookkeeping
- Business 4. Introduction to Business
- Business 6. Salesmanship
- Business 8 ab. Business Legal Practice
- Business Administration 157. Office Procedure

Whenever possible, classes will be scheduled in late afternoon and evening in order to facilitate the attendance of persons holding daytime jobs.

Registration fees will be apportioned on a credit basis that will permit the enrollment of part-time students.

Certificate.—The School of Inter-American Affairs will grant a Certificate of Secretary-Interpreter with Specialization in Inter-American Relations upon the fulfillment of the following requirements:

I. The successful completion of the program of studies, with a grade-point average of at least one in the total number of hours in which the student has registered.

II. The passing of a final comprehensive examination patterned after the standard forms of civil service examinations for secretarial positions, and including test questions on Latin America, Spanish proficiency, and a reading knowledge of Portuguese (or questions on subjects taken instead of Portuguese). A numerical rating will be given closely corresponding to that given in civil service examinations. This examination will be administered by a committee of three, representing a federal agency, a state agency, and the School of Inter-American Affairs.

A One-Year Post-Graduate Course in Inter-American Relations for Majors in Science Departments and Graduates of Technical Schools

The School of Inter-American Affairs is attempting to equip technicians with a reasonable background knowledge of Latin America. To this end it has organized an intensive one-year post-graduate course in inter-American relations for graduates of schools of engineering, agriculture, medicine, library science, business, commerce, and social work, as well as for graduates of colleges of arts and sciences who have majored in exact or natural sciences, economics, or business administration, and in general for students in the various techniques who because of intensive specialization have not had an opportunity to acquire an adequate training in Latin-American affairs during their regular period of study.

This post-graduate course aims at furnishing the information and guidance deemed indispensable for truly effective work in Latin America or with Latin Americans. Students completing this course should be able to utilize more fully their professional training, here in our country as well as in Latin America, for the promotion of social and economic relations between the United States and its hemisphere neighbors. The vital importance of such efforts for the duration of the war is obvious. And they will be equally important in the post-war period if we are to consolidate and preserve the gains which we shall have made and contribute to the shaping of a permanent system of international peace and security.
The course is planned to provide:

I. Intensive laboratory-type training in written and spoken Spanish.

II. An introduction to the land and people of Latin America and to their social, economic, and political life.

III. A foundation knowledge of Portuguese or training in certain business skills.

IV. Continuation of science studies.

This course is administered by a committee composed of the dean of the College of Engineering (Chairman), the dean of the Graduate School, and representatives of the science departments in the College of Arts and Sciences and of the School of Inter-American Affairs.

Contacts are being established and will be maintained with companies and organizations doing business or field work in Latin America for the placement of our students and also to ascertain their particular needs in the training we are offering.

Admission.—Students must offer for admission two years of college Spanish or its equivalent, or pass a reading knowledge examination in the language.

Curriculum

First Half

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spanish 93 a, Interm. Comp. &amp; Conv.</td>
<td>2</td>
</tr>
<tr>
<td>Spanish 95, Span. Business-Letter Writing</td>
<td>2</td>
</tr>
<tr>
<td>Sociology 73 a, Intro. to Latin America</td>
<td>3</td>
</tr>
<tr>
<td>Portuguese or Electives (Accounting, Marketing, Spanish Shorthand, etc.)</td>
<td>3</td>
</tr>
<tr>
<td>Continuation of science studies or other electives deemed advisable in Spanish, Business, and Latin-American subjects (cases will be considered individually)</td>
<td>6-7</td>
</tr>
<tr>
<td>Total credits</td>
<td>16-17</td>
</tr>
</tbody>
</table>

Second Half

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spanish 93 b, Interm. Comp. &amp; Conv.</td>
<td>2</td>
</tr>
<tr>
<td>Spanish 96, Com'l. &amp; Indus. Lang. Practice in Hispanic Countries</td>
<td>2</td>
</tr>
<tr>
<td>Sociology 73 b, Intro. to Latin America</td>
<td>3</td>
</tr>
<tr>
<td>Portuguese or Electives (Accounting, Marketing, Spanish Shorthand, etc.)</td>
<td>3</td>
</tr>
<tr>
<td>Continuation of science studies or other electives deemed advisable in Spanish, Business, and Latin-American subjects (cases will be considered individually)</td>
<td>6-7</td>
</tr>
<tr>
<td>Total credits</td>
<td>16-17</td>
</tr>
</tbody>
</table>

Inasmuch as undergraduate students in the College of Engineering can elect 24 credits in other colleges, it is strongly recommended that those intending to follow this post-graduate course take while they are undergraduates as many of the courses listed here as possible. If the student does this and has a good preparation in Spanish both in high school and in college, it may be possible for him to take practically all subjects in courses numbered 100 or above and thus obtain more credits toward the Master's degree.

A certificate attesting the successful completion of the course will be given to regularly enrolled students after they have passed all the examinations with a grade of C or above in each of the courses taken. Credits earned in courses numbered 100 or above may be later applied toward the Master's degree.

Combined Curriculum in Engineering and Arts and Sciences

Degrees in both the College of Arts and Sciences and the College of Engineering may be obtained by following a five-year curriculum, to be outlined in each case, jointly, by the deans of the two colleges.
Attention is called to a combined curriculum in Engineering and Inter-American Affairs.

Students interested should confer with the deans, preferably upon entering the University or during their freshman year, and not later than the beginning of their sophomore year.

COLLEGE OF ARTS AND SCIENCES

Departments of Instruction

Courses Numbering: from 1-50, lower division, normally open to freshmen; from 51-100, lower division, normally open to sophomores; from 101-200, upper division, normally open to juniors, seniors, and graduates; 201-300, open to graduates only. Graduate credit for courses listed is allowed at the discretion of the Graduate Committee.

Symbols used in course descriptions:
- ab or cd—course offered throughout two semesters
- L—part of the course is laboratory work
- F—course is given during field session
- N—Navy number
- SS—course offered in eight weeks’ summer session only
- Yr—course offered throughout two semesters and credit for a single semester’s work is suspended until the entire course is completed
- *—course open to General College students
- †—course offered for General College credit only
- ( )—credit value for each course for each semester
- [ ]—former course number or title

A schedule of course offerings, including hours of meeting, is issued at the opening of each session.

Because of war conditions, the University reserves the right to cancel any listed course or to make a substitution in instructors if necessary.

ORIENTATION COURSES FOR FRESHMEN

All freshmen, with less than 20 hours of college credit, enrolled in the College of Arts and Sciences are required to complete Orientation 9.


SOPHOMORE HONORS

A selected group of sophomores each year is invited to participate in honors work. Those who desire to undertake such work will enroll in Honors 51.

51. Sophomore Honors. (1) Methods necessary for successful honors work. Mr. Mitchell.
DEPARTMENT OF ANTHROPOLOGY

Professors Brand¹ (Head), Spier; Associate Professor Hill; Assistant Professors Hawley, Hibben²; Instructor Reiter.

Group Requirements.—Courses in this Department count toward Social Sciences (Group III), with the exception of 66 L.

Major Study.—For the Cultural Major: Anthropology 1 ab, and 30 more hours within the Department including 105 a or 105 b; 180, or 183, or 184; 181; 182; 188 ab or alternatives prescribed by head of Department; and 193.

For the Professional Major: Biology 1 abL; Geology 1 and 2, or Anthropology 53 ab, if field of archaeology is to be stressed; History 1 ab and Psychology 1 abL, if field of ethnology is to be stressed; Anthropology 59 L, 66 L, and 30 more hours within the Department including the courses required for the Cultural Major. Professional major students, at the close of their senior year, must pass a comprehensive subject examination (written and oral) based on courses and the required reading for the degree; and must demonstrate, by written examination, proficiency in one foreign language, to be selected from Spanish, French, and German.

Upper division courses from other departments, chosen with the advice of the head of the department, are acceptable as electives towards a major in Anthropology.

Minor Study.—Fourteen hours in addition to Anthropology 1 ab.

Primarily for Freshmen and Sophomores

¹ ab. General Anthropology. (3-3) Mr. Reiter, Miss Hawley, Mr. Hill.
²53 ab. Anthropo-Geography. (3-3) The inter-relationships of man and the earth. (Not offered 1945.) Mr. Brand.
²55. Human Geography of New Mexico. (3) (Not offered 1945.) Mr. Brand.
59 L. Museums and Their Work. (2) Museum administration, publicity, exhibition, and curatorial work. 1 hr. lecture, 3 hrs. lab. Miss Hawley, Mr. Reiter.
66 L. Archaeologic Field Technique. (2) Methods and materials involved in excavations; field surveying and recording, care of archaeological material in the field. 1 hr. lecture, 3 hrs. lab. Mr. Reiter.
²70. Survey of Anthropology. (2) The role of Anthropology in modern life. Not credited toward the major or minor. Miss Hawley.
95. Maps and Charts. (2) (Not offered 1945.) Mr. Brand.

For Juniors, Seniors, and Graduates

General prerequisite (except for 102): Anthropology 1 ab or equivalent.

101. Anthropology in the War. (3) The individual in his pattern of culture; reasons for social change or stability; the individual in this changing world. Miss Hawley.
102. Perspectives of Anthropology. (3) Essential concepts of the nature of culture and of racial relationship, with special reference to contemporary situations and problems. No prerequisite. Mr. Spier.
104 L. Dendrochronology. (3) The science of tree ring studies ap-

¹. On leave of absence, 1945.
². On leave of absence for the duration.
plied to archaeologic problems. Prerequisite: instructor's permission.  
1 hr. lecture, 4 hrs. lab. Miss Hawley.

105 ab. The American Indian. (3-3) The aboriginal peoples and cultures in the Americas. Mr. Hill.

108 L. Physical Anthropology. (3) 1 hr. lecture, 4 hrs. lab. Mr. Reiter.

110. Southwestern Pottery. (2) Historical development of ceramic art. Miss Hawley.

113. Climatology. (3) Recommended: a reading knowledge of German; Physics 15 or Anthropology 53 ab. (Not offered 1945.) Mr. Brand.

119. Races and Cultures of Europe. (2) Physical environment and historical development; evolution of culture areas. Recommended: Anthropology 53 ab. (Not offered 1945.) Mr. Brand.

133. Northwest America and Northeast Asia. (3) Peoples and cultures of the two areas; their relationship to each other and to Asia and America generally. Mr. Hill.

139. Ethnology of Africa. (3) Mr. Spier.

140. Culture Provinces of Western North America. (3) Ethnography and ethnology of the California, Basin, and Plateau areas. Mr. Spier.

142. Plains Indian Cultures. (3) Ethnography of the North American Plains area, with special attention to culture growth. Mr. Spier.

146. Geography of the Pacific Area. (2) (Not offered 1945.) Mr. Brand.

148. Oceania. (3) Oceanic races and cultures; indigenous origins; Asiatic relations and influences. Mr. Hill.

164. Early Cultures of China and Japan. (2) Development of the Far East and its relationships with the rest of Eurasia. (Not offered 1945-46.) Staff.


180. Archaeology of the Southwest. (3) Miss Hawley.

181. Ethnology of the Southwest. (3) Miss Hawley, Mr. Hill, Mr. Spier.


183. American Archaeology: South America. (3) Recommended: Anthropology 53 ab, and 184. Mr. Reiter.

184. American Archaeology: Mexico, Central America, and the West Indies. (3) Recommended: Anthropology 53 ab, 180, and 182. (Not offered 1945.) Mr. Brand.

188 ab. Cultural Geography. (3-3) Natural divisions, and their utilization under different cultural systems. a: Old World excluding Europe. b: Latin America. Recommended: Anthropology 53 ab, and 189. (Not offered 1945.) Mr. Brand.

190. General Old World Ethnography. (3) Mr. Spier.

193. Senior Seminar. (2) History of Anthropology. Required of all senior majors in Anthropology. Staff.

194 ab. [194] Anthropological Methods. (2-2) A consultation course. Prerequisite: instructor's permission. Mr. Spier.

198. Primitive Religion. (3) Mr. Hill.

199 F. Field Research. (2 to 6) Prerequisites: Previous field experience or departmental permission. 1 hr. lecture; 2 hrs. lab. for each hour of credit. Staff.

For Graduates Only

205. Pro-Seminar. (2) Introduction to research. Required of graduate students. Recommended: reading knowledge of French or German, preferably both. Staff.

206. Survey of Current Anthropology. (2) Mr. Spier.
212. Ethnology. (2) Mr. Hill.
225. Seminar: Anthropo-Geography. (2) Subjects in successive semesters will be: Mapping Culture Element Distributions; Primitive Agriculture; Land Settlement Forms in Latin America; Origins of New World Cultivated Plants. (Not offered 1945.) Mr. Brand.
251 ab. Problems. (2-2) Staff.
294. Seminar: Southwestern Archaeology. (2) Miss Hawley.
300. Thesis. (2 to 6) Staff.

DEPARTMENT OF BIOLOGY

Professor Castetter (Head); Associate Professor Koster; Assistant Professors Lindsey, Dittmer; Teaching Assistant DeVaney; Graduate Fellows Spaberg, Sheedy.

Group Requirements.—Courses in this Department count toward Science and Mathematics (Group IV).

Major Study.—Biology 1 abL, 71 L, 72 L, 109, 143 L or 144 L, and 9 additional hours, 5 of which must be in courses numbered above 100. Courses 36, 41, and 48 are not accepted toward a major. One year of chemistry is required of biology majors in the College of Arts and Sciences.

Minor Study.—Biology 1 abL and 12 additional hours to be selected from the following: 36 or 143 L or 144 L, 41 or 163 L, 48 or 109, 71 L, 72 L, 93 L, 96 L, 105, 114 L, 171 L and 185 L.

Curriculum Preparatory to Forestry.—See “College of Arts and Sciences.”

Curriculum Preparatory to Medical Technology.—See “College of Arts and Sciences.”

Curriculum Preparatory to Medicine, Dentistry, or Veterinary Science.—See “College of Arts and Sciences.”

Primarily for Freshmen and Sophomores

1 abL. [1 L, 2 L] General Biology. (4-4) An introduction to the fundamental structures, functions, and principles common to all living things. Emphasis on the unity, rather than the diversity, of the phenomena of organisms. 3 hrs. lecture, 3 hrs. lab. Mr. Castetter, Mr. Koster, Mr. Dittmer.

*36. Human Physiology. (3) Mr. Dittmer.

*41. Survey of New Mexico Plant Life. (2) Lectures and demonstrations. Mr. Dittmer.

*48. Heredity. (2) A cultural survey of the field of inheritance. Mr. Dittmer.


72 L. Comparative Plant Morphology. (4) A comparative study of the four great groups of the plant kingdom. Prerequisites: Biol. 1 abL. 2 hrs. lecture, 4 hrs. lab. Mr. Dittmer.

93 L. General Bacteriology. (4) Bacteria and related forms. Morphology, physiology, classification, cultivation, and economic importance. Prerequisites: Biology 1 abL, Chemistry 1 ab and 1 abL. 2 hrs. lecture, 4 hrs. lab. Mr. Lindsey.
96 L. Ornithology. (4) Identification and habits of birds. Early morning field trips required. 2 hrs. lecture, 4 hrs. lab. Mr. Koster.

For Juniors, Seniors, and Graduates

105. Ethnobiology of the New World. (3) The aboriginal picture of the utilization of plants and animals of the New World. Emphasis on the Southwest. Prerequisite: 4 hours of Biology. Mr. Castetter.

109. Genetics. (3) The scientific, cultural, and philosophical aspects of inheritance. Prerequisite: 8 hours of Biology. Mr. Castetter.


112 L. Comparative Embryology of the Vertebrates. (4) Prerequisite: 12 hours of Biology, including 71 L. 2 hrs. lecture, 4 hrs. lab. Mr. Koster. N-B3.

114 L. General Entomology. (4) Structures, habits, and classification of the insects. Prerequisite: 8 hours of Biology. 2 hrs. lecture, 4 hrs. lab. Mr. Koster.

121 L. Comparative Vertebrate Anatomy. (5) Prerequisite: 12 hours of Biology including Biology 71 L. 2 hrs. lecture, 6 hrs. lab. Mr. Koster. N-B4.

132 L. Advanced Bacteriology. (4) Principles of the life activities, growth, and morphology of bacteria; emphasis on pathogenic forms. Prerequisites: Biology 93 L and 143 L or 144 L. Organic chemistry is strongly recommended. 2 hrs. lecture, 4 hrs. lab. Mr. Lindsey.

143 L. General Physiology. (4) Cell physiology, absorption, photosynthesis, digestion, translocation, circulation, and respiration. Prerequisites: 12 hours of Biology, and Chemistry 1 abL. 2 hrs. lecture, 4 hrs. lab. Mr. Lindsey and assistant.

144 L. General Physiology. (4) Metabolism, excretion, transpiration, muscle action, nerve and sense organs, growth and correlation, and reproduction. Prerequisites: 12 hours of Biology and Chemistry 1 abL. Organic chemistry is recommended. 2 hrs. lecture, 4 hrs. lab. Mr. Lindsey and assistant.

163 L. Flora of New Mexico. (4) Prerequisite: 8 hours of Biology. 2 hrs. lecture, 4 hrs. lab. Mr. Dittmer.

171 L. [Physiographic Ecology] General Ecology. (4) Animals and plants in relation to their various natural environments. Applications to soil conservation, forestry, and wildlife management. Frequent field trips. Prerequisite: 8 hours of Biology. 2 hrs. lecture, 4 hrs. lab. Mr. Lindsey.

174 L. Plant Anatomy. (4) Anatomy of vascular plants. Prerequisite: 12 hours of Biology, including Biology 72 L. 2 hrs. lecture, 4 hrs. lab. Mr. Dittmer.

184 L. Plant Pathology. (4) Nature, cause, and control of diseases of plants. Relations of plant pathogenic organisms to agriculture and industry. Prerequisite: 12 hours of Biology. 2 hrs. lecture, 4 hrs. lab. Mr. Dittmer.

185 L. General Vertebrate Zoology. (4) Natural history, classification, behavior, ecology, and speciation of the vertebrates exclusive of the birds. Prerequisite: 8 hours of Biology. 2 hrs. lecture, 4 hrs. lab. Mr. Koster.

198. Fundamental Concepts of Biology. (3) Trend of scientific thought and method from earliest times to the present. Origin and history of important biological principles. Prerequisite: major in biology with senior standing. Mr. Castetter.

For Graduates Only

201. Seminar. (2) Topic for study will be announced at beginning of each semester. Mr. Lindsey.
251. Problems. (2-3) Staff.
252. Phylogeny of the Plant Kingdom. (2) Evolutionary trends with emphasis on the vascular plants. Mr. Dittmer.
265. Origin and Development of Cultivated Plants and Domesticated Animals. (3) Mr. Castetter.
300. Thesis. (4-6) Staff.

BUSINESS ADMINISTRATION
See Department of Economics and Business Administration.

DEPARTMENT OF CHEMISTRY
Professors Clark (Emeritus), Kiech, Smithson (Acting Head); Assistant Professors Garretson, Martin; Instructors Anna Vallevik Gibson, Searcy.

Group Requirements.—Courses in this Department count toward Science and Mathematics (Group IV).

Major Study.—Thirty-four hours. Major students are advised to take two years of French or German, and should consult major professor concerning requirements in physics and mathematics. A major program must include courses 1 ab and 1 abL, 51, 52 abL, 53 L or equivalent, 102 abL, and 109 or 110 L.

Minor Study.—Twenty-three hours. A minor program must include courses 1 ab, 1 abL, 51, 52 abL, and 102 abL. 40 abL may be substituted for 1 abL.

Curriculum Preparatory to Medicine, Dentistry, or Veterinary Science.—See “College of Arts and Sciences.”

Curriculum Preparatory to Medical Technology.—See “College of Arts and Sciences.”

Primarily for Freshmen and Sophomores
1 ab. Inorganic Chemistry. (3-3) Credit suspended until 1 abL is completed. Staff. N-C1, C2.
1 abL. Inorganic Laboratory. (1-1) Credit suspended until 1 ab is completed. 3 hrs. lab. Staff. N-C1 L, C2 L.
40 abL. Fundamentals of Chemistry. (5-5) This course is designed to teach the basic fundamentals of chemistry, inorganic and organic, which are standard requirements for modern work in physical education, home economics, and nursing. 3 hrs. lecture, 6 hrs. lab. Staff.
51. Second Year College Chemistry. (3) A course in chemical theory required of all who take advanced work in chemistry, and recommended for pre-medical students. Staff. N-C3 (with 52 abL.)
52 abL. Quantitative Analysis. (2-2) Students elect two afternoons out of three. Pre- or co-requisite: 51 or equivalent. 6 hrs. lab. Staff. N-C3 (with 51).
53 L. Qualitative Analysis. (2) Staff.
For Juniors, Seniors, and Graduates

General prerequisite (for all courses numbered above 102 abL): Chemistry 51 and 52 abL.

102 abL. Organic Chemistry. (4-4) Yr. Prerequisite: Chemistry 1 ab and 1 abL. Credit suspended for 102 aL until 102 bL is completed. 2 hrs. lecture, 6 hrs. lab. Staff. N-C4, 5.

104. Biological Chemistry. (3) Prerequisite: Organic Chemistry. Staff.

105 L. Quantitative Biochemical Methods. (3) Colorimetry and micro-methods of analysis. 9 hrs. lab. Staff.

107 L. Advanced Qualitative Analysis. (2) Prerequisite: Chemistry 52 abL. 6 hrs. lab. Staff.

109. Survey of Physical Chemistry. (3) A simplified treatment of the field of physical chemistry which does not involve the use of calculus. Staff. N-C7 (with 110 and 111 L if latter for 2 hrs. credit).

110. Physical Chemistry. (3) Prerequisites: Chemistry 102 abL and 109, Calculus, and Physics. 4 hrs. lecture, 3 hrs. lab. Staff. N-C7 (with 109 and 111 L).

111 L. Physical Chemistry Laboratory. (1-2) Laboratory course to be taken with 109 or 110. 3 hrs. lab. for each hr. of credit. Staff. N-C7 (with 109 and 110).

112. Industrial Chemistry. (2) Offered in alternate years. Staff.

113. Metallurgy. (2) Lectures covering processes of extraction of metals. Prerequisite: Chemistry 112. Staff.

140. Chemistry Seminar. (1-3) Staff.

152 L. Advanced Quantitative Analysis. (Credit optional up to 10 hours.) Use of instruments of analytical chemistry. 1 two-hour lab. period per credit hour. Staff.

155 L. Introduction to Toxicology. (2) Poisons and their detection. 1 hr. lecture, 3 hrs. lab. Staff.

199 ab. Undergraduate Problems. (2-5 each semester) Staff.

For Graduates Only

251 ab. Problems. (2-5 each semester) Staff.

300. Thesis. (4-6) Staff.

DEPARTMENT OF ECONOMICS AND BUSINESS ADMINISTRATION

Professor Sorrell (Head); Associate Professor Popejoy; Assistant Professor Parish; Instructors Dixon, Christoffers, Israel.

Group Requirements.—Courses in this Department count toward Social Science (Group III), with the exception of Business Administration 53 abL and 65.

Students may elect courses offered by this Department leading (1) toward the Bachelor of Arts degree with a major in Economics, (2) toward the Bachelor of Arts degree with a major in Business Administration, or (3) courses leading to the professional degree, Bachelor of Business Administration.

Economics

Major Study in Economics (leading to Bachelor of Arts degree).—30 hours including 51 ab, or with certain exceptions 105, of which 18 must be in Economics including 154 and 160. The remainder may be in Business Administration.
Minor Study in Economics.—18 hours, including 51 ab, or with certain exceptions 105, of which 12 must be in Economics. The remainder may be in Business Administration.

Primarily for Freshmen and Sophomores
1 ab. Introduction to Social Science. (3-3) (Same as Government 1 ab and Sociology 1 ab.) A study of current social, economic, and political problems, with particular reference to the United States. Credit suspended until both semesters are completed. Staff.
51 ab. Introduction to Economics. (3-3) Yr. A prerequisite to all advanced courses in the department unless otherwise indicated. Prerequisite: sophomore standing. Credit for 51 a suspended until 51 b is completed. Mr. Sorrell, Mrs. Dixon. N-BA1-2.
63. [43] Economic Resources. (3) A general survey of the basic economic resources of the world. Mr. Sorrell.
73 ab. Introduction to Latin America. (3-3) (Same as Government 73 ab and Sociology 73 ab.) Mr. Jorrin.

For Juniors, Seniors, and Graduates
General prerequisite: Economics 51 ab or 105, unless otherwise stated.
105. Principles of Economics. (3) Primarily for students who are not majors in the department. Prerequisite: upper division standing, except for sophomore engineers. Mr. Sorrell.
111. Money and Banking. (3) Mr. Parish. N-BA3.
119. Current Problems of Foreign Trade. (3) (Same as Government 119.) Mr. Kleven.
121 ab. Economics and Trade of Latin America. (2-2) a: Survey of economic life. b: Trade relations, investments, economic planning. Prerequisite: Economics 73 ab. Mr. Jorrin.
140. Economic Security. (3) The meaning and extent of poverty and insecurity, and methods of dealing with these problems. Mr. Hutchison.
143. Transportation. (3) Inland transportation with special attention to railroads. Mr. Parish. N-BA4.
154. Modern Economic Reform. (3) A critical analysis of the proposed major reforms of the existing economic system. Mr. Sorrell.
160. Economic Theory. (3) Mr. Sorrell.
165. Public Utilities. (3) A study of the principles and problems in the utilities field. Mr. Parish.
178. Recent History of the United States. (3) (Same as History 178.) Accepted toward the major only.
198 ab. Seminar. (2-3 each semester) Staff.

For Graduates Only
251 ab. Problems. (2-4 each semester) Staff.
300. Thesis. Staff.

Business Administration
The Degree of Bachelor of Business Administration.—The degree of Bachelor of Business Administration (B.B.A.) is awarded upon the completion of (1) regular minimum requirements for the bachelor's
degree in the College of Arts and Sciences, (2) 48 hours in Economics and Business Administration courses numbered above 50, including 51 ab, 53 abL, 65, 107 ab, 108, 109, 110, 111; (3) at least 40 per cent of the hours presented for graduation must be in the fields other than Economics and Business Administration. A minor is not required.

Major Study in Business Administration (leading to the Bachelor of Arts degree).—Economics 51 ab, Business Administration 53 abL, 107 ab, and 109, and 9 additional hours in Business Administration, and 6 additional hours in Economics, chosen from the following: Economics 111, 119, 141, 143, 152.

Minor Study in Business Administration.—Economics 51 ab, Business Administration 53 abL and 6 additional hours in Business Administration.

Curriculum in Public Financial Administration.—See "College of Arts and Sciences."

*11 ab. Beginning Typewriting. 2 (2-2) Not counted toward major or minor. Meets 3 one-hour periods a week. Miss Israel.

*12 ab. Shorthand Theory and Beginning Dictation. 1 (3-3) a: Theory; b: Dictation. Not counted toward major or minor. Meets 4 one-hour periods a week. Miss Israel.

*51 ab. Advanced Typewriting. 2 (2-2) Not counted toward major or minor. Meets 3 one-hour periods a week. Miss Israel.

*52 ab. Dictation and Transcription. 2 (3-3) Not counted toward major or minor. Meets 4 one-hour periods a week. Miss Israel.

Primarily for Sophomores

53 abL. Principles of Accounting. (4-4) Yr. Credit for 53 aL suspended until 53 bL is completed. 3 hrs. lecture, 3 hrs. lab. Mrs. Dixon. N-BA 5 a-6 a.

55. [55 ab] Advanced Typewriting in Spanish. (2) B.A. 11 ab or equivalent. Miss Christoffers.

56 ab. Spanish Shorthand Theory; Spanish Shorthand Dictation. (3-3) a: Theory; b: Dictation. Prerequisite: B.A. 12 ab, adequate knowledge of Spanish; consult instructor. Meets 4 one-hour periods a week. Miss Christoffers.

65. Business-Letter Writing. (3) A study of the art of business correspondence, including form material, letterheads, structure, content, etc. Miss Israel.

87. [117] Mathematics of Finance. (3) (Same as Mathematics 87.) Accepted toward the major only.

For Juniors, Seniors, and Graduates

General prerequisite: Economics 51 ab or 105, unless otherwise stated.


102. Governmental Accounting. (3) Accounting technique peculiar to governmental agencies and political subdivisions: effect of "Funds" on accounting systems; government budgets; balance sheets and other financial reports. Prerequisite: B.A. 53 abL. Staff.

103 ab. Intermediate Accounting. (3-3) Prerequisite: B.A. 53 abL. Mr. Popejoy.

1. General elective credit in the College of Arts and Sciences.

2. No credit toward a degree in the College of Arts and Sciences.
104. Cost Accounting. (3) Special emphasis on job order and process cost systems. Prerequisite: B. A. 53 abL Mr. Parish. N-BA17.

107 ab. Business Law. (3-3) Prerequisite: upper division standing. Mr. Sorrell. N-BA15-16.


112. Auditing. (3) Prerequisites: B.A. 53 abL and 103 a. Staff.

113. Credit and Collections. (2) Principles and practices of credit management. Taught primarily from the point of view of the credit man. Mrs. Dixon.

115. Investments. (3) An analysis of corporation, municipal, and other securities. Staff.

123. Insurance Principles and Practices. (3) Staff.

157. Office Procedure. (3) Office equipment and procedure; taking and transcribing dictation; filing; financial statements; behavior on the job; work experience. Prerequisites: B. A. 51 ab and 52 ab. Miss Israel.

For Graduates Only

251 ab. Problems. (2-4 each semester.) Staff.

300. Thesis. (4-6) Staff.

Courses in Business for General College Only

‡3 abL. Bookkeeping. (3-3) An introduction to the principles and practices of bookkeeping, including debit and credit procedure, the use of controlling accounts, special journals, and the preparation of profit and loss and balance sheet statements. Mrs. Dixon.

‡4. Introduction to Business. (3) Up-to-date procedure, methods, and problems of modern business enterprise. Mrs. Dixon.

‡5. Business Correspondence for Secretaries. (3) A study of correct sentence structure, the writing of sales, collection, and application letters, reports, etc. Mrs. Dixon.

‡6. Salesmanship. (2) The approach and appeal necessary to the consummation of a sale; selling methods which have proved successful. Students are required to engage in actual selling work. Staff.


DEPARTMENT OF ENGLISH

Professors Pearce (Head), Mitchell, Wynn, Arms; Associate Professor Smith; Assistant Professors Wicker, Keleher, Simons, Crowe; Instructors Jacobs, Blessing, Kluckhohn, Kuntz, Rafferty; Graduate Fellow Feldman.

Group Requirements.—English 1 ab is a required course for all students and counts toward Group Requirement I. All entering students will take an English placement examination. Those who do not show adequate preparation in the mechanics of writing will take English A (non-credit) in addition to English 1 a. Students who pass the placement test with honors may register for special sections in 1 ab. Additional requirements are:

2. On leave of absence for the duration.
College of Arts and Sciences: 3 credit hours in a course in literature numbered above 50.

College of Engineering: English 64 a in the Civil Engineering Curriculum and English 64 ab in the programs leading to degrees in Electrical Engineering, Mechanical Engineering, and Engineering Chemistry.

College of Education: 6 credit hours in courses numbered above 50. (In the Elementary Curriculum, these additional hours must be in literature.)

Electives without Prerequisites.—The following courses in the Lower Division are recommended for students selecting hours for the Group Requirements or for general reading: 52 ab, 56, 75 ab, 77, 80, 82, 84, 95; not accepted as literature are 54, 55, 58, 91. In the Upper Division, courses without prerequisites are 141, 147, 149, 164, 165, 185, and 186.

Major Study.—English 1 ab, 53 ab, and 24 additional hours in courses numbered above 50. The courses taken must include 6 hours in American literature: 91; 141; 151 or 154; two courses chosen from 132, 143, 146, 148, 157, 177, 181, and 198. Twelve hours must be taken in courses numbered above 100. It is strongly recommended that English majors take History 71 ab—if possible concurrently with English 53 ab. Students with special interest in the theater may elect Dramatic Art 90 toward a major study in English. Education 120, Children’s Literature, will be accepted toward a major in English for those who are taking the Elementary Curriculum in the College of Education. Majors and minors who are planning to teach English should enroll in Education 155 c, The Teaching of English in High School. A comprehensive examination in English literature and language (see English 198) is required of majors.

Minor Study.—College of Arts and Sciences: English 1 ab and 15 hours in courses numbered above 50.

College of Education and College of Fine Arts: English 1 ab and 18 hours in courses numbered above 50.

Primarily for Freshmen and Sophomores (Lower Division)

*1 ab. English Composition. (3-3) a: Exposition; paragraph structure, informal essay, reading reports. b: Investigative paper, etymology, diction, connotation, descriptive and narrative sketches, reading reports. Consult schedule for sections.
51 ab. News Writing and Reporting. (3-3) a: Spot news; b: Feature writing. Writing of stories, in class and on assignment, and opportunities for free-lance reporting and writing. Credit for elective but not acceptable for group requirements. Mr. Rafferty.
*52 ab. Introduction to Modern Literature. (3-3) a: Novel, novelette, short story; b: Poetry, biography, factual prose. Miss Simons.
53 ab. Survey of English Literature. (3-3) Required of students who
expect to make English their major or minor study. Miss Keleher or Mrs. Blessing or Mr. Kuntz.

54. Vocabulary Building. (3) Study of basic word roots and drill designed to increase vocabulary. Miss Kluckhohn.

55. Public Speaking. (3) Principles and types of speech with emphasis on speech situation. Miss Keleher.

56. Utopias in English Literature. (1) Literature emphasizing social progress, including the works of Plato, More, Bacon, Butler, and Bernamy. Staff.

58. Argumentation and Debate. (3) Mr. Wicker.

59. Interpretative Reading. (2.5) Interpreting literary material for public reading. Miss Crowe.

60. [Play Production] Play Writing. (2) A course in the writing and staging of plays; performances given by students. Staff.

63. Creative Writing. (3) Miss Keleher.

64. Informative Writing. (3-3) Professional expository composition and the preparation of elementary reports. Miss Simons.

68. Advanced Composition. (3) Reading and writing of non-fictional prose. Mr. Wicker.

75. World Literature. (3-3) Masterpieces of European and Asiatic literature. Mr. Mitchell, Mr. Smith.

77. Southwestern Literature. (1) Myth, legend, and song of the Indians; literary values in the Spanish colonial narratives; literature of the Santa Fe trail and the cattle country; contemporary writing. Mr. Pearce.

80. The Democratic Traditions in American Literature. (3) Political, economic, and social concepts of democracy as revealed in American literature, from the earliest to contemporary times. Staff.

82. American Literature. (3) A general survey to 1900, with more extensive study of the great writers of the nineteenth century. Mr. Smith.

84. Major Poets in American Literature. (3) An extensive study of the major poets from Frenneau to Frost. Mr. Arms.

85. Newspaper Desk Work. (3) Copy reading, headlining, newspaper makeup. Prerequisite: English 51 ab, or semester experience on the Lobo editorial staff. Mr. Rafferty.

88. Myths and Epics. (2) Great myths of Greece and Rome and their application in English literature together with examination of the major folk epics. Mrs. Blessing.

91. History of the English Language. (2) The etymology, morphology, phonetics, and semantics of English; the relation between linguistic and cultural changes. Mr. Pearce or Mr. Smith.

95. Classical Drama in Translation. (2) Lectures in development of Greek and Roman drama and extensive reading of classical plays. Mr. Mitchell.

For Juniors, Seniors, and Graduates

132. Contemporary Poetry. (3) Prerequisite: English 53 a or 53 b. (Offered alternately with English 181.) Staff.

141. Shakespeare. (3) A detailed study of selected plays. Miss Simons.

143. Drama of the Restoration and Eighteenth Century. (3) The best plays from D'Avenant to Sheridan. Prerequisite: English 53 a. Mr. Smith.

146. Age of Milton. (3) Non-dramatic poetry and prose from 1600 to 1674, with special emphasis on the masterpieces of Milton. Prerequisite: English 53 a. Mr. Smith.

147. Studies in World Drama. (2) Mr. Smith.

148. Elizabethan Drama Exclusive of Shakespeare. (3) Special at-
149. Contemporary Drama. (2) Staff.

151. Chaucer. (3) A reading of Chaucer's chief literary works with an examination of his philosophy. Prerequisite: English 53 a. Mr. Pearce.

154. Middle English. (3) A general survey of the types of thirteenth and fourteenth century literature. Prerequisite: English 53 a. Mr. Pearce. (Not offered in 1945-1946.)


161. Advanced Composition. (3) Expository and narrative prose and the writing of verse. Staff.

164. [Amer. Lit. in 19th Century] Classic American Writers. (3) Prose masterpieces by Franklin, Emerson, Hawthorne, Thoreau, Whitman, and Clemens. Mr. Smith.

165. American Novel. (3) Significant novels and novelists from 1789 to 1920. Mr. Arms.

166. American Literary Criticism. (3) Major critical attitudes in the nineteenth and twentieth centuries. Prerequisite: six hours of courses in literature. Mr. Arms.

177. The Classical Period in English Literature. (3) The chief writers in England from the Restoration to the decline of neo-classicism. Prerequisite: English 53 a. Mr. Smith.


181. Victorian Poets. (3) The representative poets from 1830 to 1890. Prerequisite: English 53 b. Mr. Wicker.

185. Early English Novel. (3) From the beginnings through Dickens. (Offered alternately with English 186). Mr. Wicker or Mr. Arms.

186. Later English Novel. (3) From Thackeray to the present. English 185 is recommended as a prerequisite. (Offered alternately with English 185.) Mr. Wicker or Mr. Arms.

198. Review Seminar. (1) Senior English majors are advised to take this course in preparation for the comprehensive examination. Staff.
GEOGRAPHY (Not a Department)

Professors Brand (in charge of the minor), Bostwick, Holzer, Northrop, Sorrell, Workman.

Major Study.—Not offered.

Minor Study.—Anthropology 53 ab (3-3) or Geology 61 (2) and Economics 63 (3); and 14 or 15 more hours (totaling 20 hours for the minor) from among the following, including at least two courses to be selected from Anthropology 119 (2), Anthropology 188 ab (3-3), and Geology 54 (2). (Observe prerequisites.)

*Anthropology 53 a. Anthropo-Geography. (3) History of geography; cartography, land forms, meteorology, climatology, soils and animal geography, demography. (Not offered 1945.) Mr. Brand.
*Anthropology 53 b. Anthropo-Geography. (3) The natural resources of the earth, and their utilization by man. (Not offered 1945.) Mr. Brand.
*Anthropology 55. Human Geography of New Mexico. (3) (Not offered 1945.) Mr. Brand.
Anthropology 55. Maps and Charts. (2) (Not offered 1945.) Mr. Brand.
Anthropology 113. Climatology. (3) (Not offered 1945.) Mr. Brand.
Anthropology 119. Races and Cultures of Europe. (2) (Not offered 1945.) Mr. Brand.
Anthropology 146. Geography of the Pacific Area. (2) (Not offered 1945.) Mr. Brand.
Anthropology 188 a. Cultural Geography. (3) Old World (excepting Europe). (Not offered 1945.) Mr. Brand.
Anthropology 188 b. Cultural Geography. (3) Latin America. (Not offered 1945.) Mr. Brand.
Biology 171 L. General Ecology. (4) Prerequisite: 8 hours of biology. 2 hrs. lecture, 4 hrs. lab. Staff.
*Economics 63. Economic Resources. (3) Staff.
Economics 121 ab. Economics and Trade of Latin America. (2-2) Mr. Saunders.
*Geology 54. Geography of North America. (2) Mr. Northrop.
*Geology 61. Principles of Geography. (2) Staff.
Geology 181 L. Geomorphology. (3) Prerequisites: Geology 2, 6 L, 108 L. 2 hrs. lecture, 3 hrs. lab. Mr. Northrop.
Physics 53 ab. General Meteorology. (3-3) Mr. Breiland.
Physics 116 ab. Dynamic Meteorology. (3-3) Prerequisites: Physics 1 b, Mathematics 53 b. Mr. Breiland.
Physics 117 abL. Synoptic Meteorology. (3-3) Weather forecasting and analysis. Prerequisite: approval of staff. 1 hr. lecture, 6 hrs. lab. Mr. Breiland.

DEPARTMENT OF GEOLOGY

Professor Northrop (Head); Associate Professors Kelley, Reiche.

Group Requirements.—Courses in this department count toward Science and Mathematics (Group IV).

Major Study.—Geology 1, 2, 5 L, 6 L, 71 abL, 106 L, 107 abL, 108 L, and at least 10 additional upper division hours. Chemistry 1 abL and Civil Engineering 53 L or its equivalent are required; note that

2. On leave of absence for the duration.
C.E. 1 L and Mathematics 18 b are prerequisite to C.E. 53 L. Students contemplating a double major may, with the approval of the department, substitute certain other courses in Geology for certain of those listed above. Students contemplating a major in Geology should take Geology 71 abL in their sophomore year; they should minor in chemistry, biology, physics, mathematics, or engineering.

Minor in Engineering.—Twenty hours, as approved by the department, from among the following: Engineering 1 abL; Civil Engineering 1 L, 53 L, 54 L, 60 L, 102 L, 110 L, 157 F, 167 L, 184; Mechanical Engineering 53, 105, 181 ab. (Observe prerequisites.)

Minor Study.—Twelve hours beyond Geology 1, 2, 5 L, and 6 L.

Primarily for Freshmen and Sophomores

*1. Physical Geology. (3) Materials composing the earth and work of agencies, both external and internal, modifying its surface. Mr. Northrop, Mr. Kelley, Mr. Reiche.

*2. Historical Geology. (3) History of the earth; rise and succession of the various forms of life. Prerequisite: Geology 1. Mr. Northrop.

*5 L. Physical Geology Laboratory. (1) Minerals, rocks, and topographic maps. Credit suspended when credit in Geology 1 is not earned. Co-requisite: Geology 1. 2 hrs. lab. Staff.

*6 L. Historical Geology Laboratory. (1) Fossils and paleographic maps; emphasis on historical geology of New Mexico. Credit suspended when credit in Geology 2 is not earned. Co-requisite: Geology 2. 2 hrs. lab. Staff.

51. Introductory Oceanography. (2) A brief survey of the science, covering shape of the ocean basins, tides, currents, sea ice, salinity and temperature variations, marine life zones, and bottom deposits. Mr. Reiche.

*54. Geography of North America. (2) Mr. Northrop.

*61. Principles of Geography. (2) (Normally offered in Summer Session only.) Staff.

71 abL. [71 L] Mineralogy. (3-3) Crystallography; chemical, physical, and descriptive mineralogy; geologic occurrences, associations, and uses. Prerequisite: Geology 1; prerequisite or co-requisite: Chemistry 1 abL. Course 71 aL may be taken separately, but 71 aL is prerequisite to 71 bL. 1 hr. lecture, 6 hrs. lab. Mr. Kelley.

72 L. Petrology. (3) The rock-forming minerals; classification, occurrence, and hand-specimen recognition of common rocks. Prerequisites: Geology 2 and Chemistry 1 abL. 1 hr. lecture, 6 hrs. lab. Mr. Reiche.

For Juniors, Seniors, and Graduates

101. Nonmetalliferous Deposits. (3) Origin, properties, utilization, and classification of industrial minerals, rocks, and coal. Prerequisites: Geology 6 L and 71 abL. Mr. Kelley.

102. Ore Deposits. (3) Metalliferous deposits with respect to their origin, distribution, structure, and alteration; mining and utilization problems. Prerequisites: Geology 6 L and 71 abL. Mr. Kelley.

103. New Mexico Geology. (2) Prerequisite: Geology 6 L; 71 abL, 107 abL and 108 L are strongly recommended. Mr. Northrop.

106 L. Field Geology. (2) Geologic mapping; principles and techniques; preparation of a report. Prerequisites: Geology 6 L and Civil Engineering 53 L; prerequisite or co-requisite: Geology 107 abL. 1 full day in field each week. Mr. Kelley, Mr. Reiche.

107 abL. [Adv. Mineralogy and Petrography] Petrography and Petrology. (4-3) Yr. Optical mineralogy; the polarizing microscope;
systematic study of rocks with respect to their mineralogy, texture, and genesis. Prerequisites: Geology 6 L and 71 aL. Credit suspended for 107 aL until 107 bL is completed. 107 aL: 2 hrs. lecture, 6 hrs. lab.; 107 bL: 1 hr. lecture, 6 hrs. lab. Mr. Kelley.

108 L. Structural Geology. (3) Rock structures and their origins; problems. Prerequisite: Geology 6 L; mechanical drawing or descriptive geometry or both are strongly recommended. 2 hrs. lecture, 3 hrs. lab. Mr. Kelley, Mr. Reiche.

109 abL. Stratigraphy. (4-4) Yr. Principles, followed by a survey of the stratified rocks of North America, their correlation, stratigraphic relations, and guide or index fossils. Prerequisite: Geology 6 L; some biology is strongly recommended. Credit suspended for 109 aL until 109 bL is completed. 2 hrs. lecture, 6 hrs. lab. Mr. Northrop.

111 abL. Paleontology. (4-4) Yr. Fossil plants, invertebrates, and vertebrates, with emphasis on the invertebrates; structure, classification, life habits, evolution, and geologic history. Prerequisite: Geology 6 L; some biology is strongly recommended. Credit suspended for 111 aL until 111 bL is completed. 2 hrs. lecture, 6 hrs. lab. Mr. Northrop.

115 L. Petroleum Geology. (3) An inductive approach to the principles of oil origin and accumulation, based on structural and stratigraphic study of oil-producing regions and districts. Prerequisite: Geology 6 L; 107 abL, 108 L, and 116 L are recommended. 2 hrs. lecture, 3 hrs. lab. Mr. Reiche.

116 L. Sedimentology. (3) The sedimentary cycle and its products; rock-weathering and soils; transport; depositional environments; sedimentary petrology. Prerequisites: Geology 6 L and 71 abL; 107 abL and 108 L are recommended. 2 hrs. lecture, 3 hrs. lab. Mr. Reiche.

131. Pleistocene Geology. (2) Prerequisite: Geology 6 L. (Offered only occasionally.) Staff.

151 ab. Problems. (2-2) Arranged. Staff.

161. Ground Water. (2) Occurrence and development of ground water with special emphasis on Southwestern conditions. Prerequisites: Geology 6 L, 71 abL, 108 L, and 116 L. Mr. Reiche.

181 L. Geomorphology. (3) Origin, development, and classification of land forms, with detailed consideration of gradational processes. Prerequisite: Geology 108 L. 2 hrs. lecture, 3 hrs. lab. Mr. Northrop.

182 L. Geomorphology of the United States. (3) Detailed study of the physiographic provinces of the United States, emphasis on western United States. Prerequisite: Geology 181 L. 2 hrs. lecture, 3 hrs. lab. Mr. Northrop.

For Graduates Only

251 ab. Problems. (2-3 each semester) Staff.

300. Thesis. (4-6) Staff.

DEPARTMENT OF GOVERNMENT AND CITIZENSHIP

Professor Donnelly (Head); Associate Professor Kleven.

Group Requirements.—Courses in this Department count toward Social Science (Group III).

Major Study.—In addition to 1 a and 1 b, 27 semester hours including government 51 ab, 121, 141 or 142, 175, 197 a or 197 b.

Minor Study.—In addition to 1 a and 1 b, 15 semester hours including 51 ab, 121, 141 or 142, 175.

Curriculum Preparatory to Law.—See "College of Arts and Sciences."
Curriculum Preparatory to Public Administration.—See “College of Arts and Sciences.”

Primarily for Freshmen and Sophomores

1 ab. [Introductory Course] Introduction to Social Science. (Same as Economics 1 ab and Sociology 1 ab) (3-3) A study of current social, economic, and political problems, with particular reference to the United States. Credit suspended until both semesters are completed. Staff. 1 a is equivalent to N-Pol 1.


73 ab. Introduction to Latin America. (3-3) (Same as Economics 73 ab and Sociology 73 ab.)

75. Public Opinion and Propaganda. (3) Public opinion as it affects party alignments and governmental programs. The methods used by special interests in influencing public opinion. Prerequisite: Government 1 ab. Mr. Donnelly.

76. Political Parties. (3) The American party system, national, state, and local. Prerequisite: Government 1 ab. Mr. Donnelly.

81 ab. History and Political Institutions of Greece and Rome. (3-3) (Same as History 81 ab.)

For Juniors, Seniors, and Graduates

103. Problems of Democracy. (3) Government problems of special contemporary importance. Staff.


121. Public Administration. (3) Introduction to the general problems of public administration in the modern state; evolution of administrative organization; tendency toward centralization and integration; controls which are exercised over administration by the courts and legislatures, personnel and fiscal management, reorganization of administration. Prerequisite: Government 1 ab. Mr. Donnelly.

131. Administrative Law. (3) The legal and constitutional problems involved in the regulation of administrative offices and agencies. Prerequisites: Government 51 ab, 121. Mr. Kleven.

141. International Relations. (3) The origin and nature of the problems involved in international relations. Recommended: Government 51 ab. Mr. Donnelly, Mr. Kleven.

142. Contemporary World Politics. (3) An analysis of the foreign policies of the great powers and of contemporary problems growing out of these foreign policies. Mr. Donnelly, Mr. Kleven.

143. International Law. (3) The origin, nature, and application of the rules of international law. Prerequisites: Government 1 ab and 51 ab. Mr. Kleven.

151. American Diplomacy. (3) (Same as History 151.)


155. The Governments of Latin America. (3) A consideration of the form which government has taken in a number of Latin-American states including a study of government problems and policies in Latin America. Prerequisite: Government 51 ab. Mr. Kleven.

167. [Ancient and Medieval Political Theory] Political Theory. (3) Political thought from the Greek period through modern times. Prerequisite: Government 51 ab. Staff.

169. Comparative Economic and Political Systems. (3) A survey
and comparison of the present economic and political organization of the leading nations. Mr. Kleven. N-POL 3.

175. Constitutional Law. (3) The Constitution of the United States as it has been interpreted by the courts. Prerequisite: Government 51 ab. Mr. Kleven.

197 ab. Seminar. (2-2) Open to advanced students with approved qualifications. Staff.

For Graduates Only

201 ab. Administrative Problems. (2-2) Staff.

205 ab. Political Problems. (2-2) Staff.

251 ab. Problems. (1-3) Staff.

300. Thesis. (4-6) Staff.

DEPARTMENT OF GREEK AND LATIN

Professor Mitchell (Head).

GREEK

Courses in the Greco-Roman heritage are offered in the Departments of Anthropology, English, and History.

1 ab. Elementary Greek. (3-3) Yr. Credit suspended for 1 a until 1 b is completed. (Not offered 1945-46.)

51 ab. Intermediate Greek. (2-2) Xenophon's Anabasis and New Testament. (Not offered 1945-46.)

LATIN

Group Requirements.—Courses in this department numbered below 100 count toward Foreign Language (Group II).

Major Study. Twenty-four hours in courses numbered above 53 b. A comprehensive examination is required.

Minor Study. Twelve hours in courses numbered above 53 b.

Primarily for Freshmen and Sophomores

53 ab. Intermediate Latin. (3-3) Selections from the various authors, especially Cicero and Ovid. Prerequisite: two units of high school Latin or equivalent. (Offered in 1945-46 only on demand.) N-L3-4.

During 1945-46 arrangements should be made in advance for the following courses.

71 ab. Latin Literature. (3-3) Selections from various authors. Prerequisite: three years of Latin.

81 ab. Latin Grammar and Composition. (1-1) Prerequisite: three years of Latin.

91 ab. Latin Literature. (3-3) Selections from various authors. Prerequisite: three years of Latin.

For Juniors, Seniors, and Graduates

General prerequisite: twelve hours of college Latin.

161 ab. Advanced Reading. (3-3) One course each semester in one of the following fields of study: history (Livy or Tacitus); Roman novel and plebeian Latin (Apuleius and Petronius); satire (Horace and Juvenal); biography (Suetonius); comedy (Plautus and Terence); philosophy (Lucretius); historical Latin grammar and syntax.

195 ab. Problems. (2-2) Original investigations in grammar, syntax, public and private life.
For Graduates Only

Graduate work is offered only when circumstances permit.

251 ab. Problems. (2-2) Original investigations in syntax, semasiology, dictionary making, supervised reading.

300. Thesis. (4-6).

DEPARTMENT OF HISTORY

Professors Hammond (Head), Dargan, Mitchell; Research Associate Bloom; Associate Professors Reeve, Sacks¹, Woodward¹; Instructor Naegle.

Group Requirements.—Courses in this department count toward Social Science (Group III).

Major Study.—Thirty hours, including 12 hours from courses 1 ab and 11 ab or 51 ab, and at least 18 hours numbered above 100. All students who intend to take upper division courses in history are urged to acquire a reading knowledge of at least one foreign language, preferably Spanish, before reaching the junior year.

Minor Study.—Eighteen hours, including 1 ab or 11 ab, and not less than 6 hours numbered above 100.

Primarily for Freshmen and Sophomores

*1 ab. Western Civilization. (3-3) The contributions of man from the earliest times. The course is organized into sections for additional work in historical geography, map work, and use of the library for historical study. Mr. Mitchell, Mr. Naegle.

*11 ab. History of the Americas. (3-3) Mr. Hammond.

*31. History of New Mexico. (2) Miss Woodward.

*51 ab. History of the United States. (3-3) Mr. Reeve.


81 ab. History and Political Institutions of Greece and Rome. (3-3) Mr. Mitchell.

For Juniors, Seniors, and Graduates

General prerequisite: not less than 6 hours in history.

102. Introduction to Historical Research. (3) Miss Woodward.

107. Modern and Contemporary Far East. (3) The relation of western civilization with the Orient since 1850. Mr. Dargan.

122. The Middle Ages. (3) Miss Woodward.

123. The Renaissance and the Reformation. (3) Miss Woodward.


133. England Since the Industrial Revolution. (3) Mr. Sacks.

135. Modern Britain. (3) Mr. Sacks.

141 ab. Modern Europe, 1500-1914. (3-3) Emphasis on social, economic, and intellectual developments on the continent. Mr. Dargan.

146. Dictatorship and Democracy in Europe Since 1914. (3) Mr. Sacks.

151. American Diplomacy. (3) Mr. Dargan.

161 ab. History of Latin America. (3-3) Mr. Hammond, Miss Woodward.

163. The A. B. C. Powers in Recent Times. (3) Miss Woodward.

165. History of Spain. (3) Mr. Bloom.

¹. On leave of absence for the duration.
168. Mexico and the Caribbean. (3) Miss Woodward.
171. The American Colonies. (3) Mr. Dargan.
173 ab. [Representative Americans] American Biography. (2-2) The great personalities who have influenced American history. Mr. Dargan.
175. The South in American History, 1763-1865. (3) Mr. Dargan.
178. Recent History of the United States. (3) Mr. Reeve.
179 ab. Constitutional History of the United States. (2-2) Mr. Reeve.
191 ab. History of the Southwest. (3-3) Mr. Bloom.

For Graduates Only
201 ab. Source Material in the Spanish Colonial Period. (2-2) Training in the research use of manuscript sources. Reading knowledge of Spanish required. Arranged. Mr. Bloom.
251 ab. Seminar. (2-2). Mr. Hammond.
261 ab. Research in Southwestern History. (2-2) Mr. Dargan.
300. Thesis. (4-6) Staff.

LATIN
See Department of Greek and Latin.

DEPARTMENT OF LIBRARY SCIENCE
Professor Shelton (Head).
1. Elementary Library Science. (2) Introduction to library methods. Miss Shelton.
24. School Library Administration. (3) SS. A study of the organization of the school library, including classification and cataloging of books. Miss Shelton.
25. Book Selection for Young People. (3) SS. A survey course covering tools and principles of selection of books for young people. Miss Shelton.

DEPARTMENT OF MATHEMATICS
Professor Barnhart; Associate Professor Larsen; Assistant Professors Barker, Rosenthal, Gentry; Instructors Morris, Mitchell, Hove, Zeller; Teaching Assistant Mason.

Group Requirements.—Courses in this department count toward Science and Mathematics (Group IV).

Major Study (College of Arts and Sciences).—Twenty-four hours in courses numbered above 50. Mechanical Engineering 105 or Physics 142, and Civil Engineering 53 L may be counted toward a major. Among the electives recommended for students specializing in mathematics are Business Administration 53 abL; Engineering 1 abL, and 2 b; Civil Engineering 1 L, 53 L, and 54 L; Philosophy 56; and Physics 1 abL, 101, 102, and 142.

Major Study (College of Education).—Mathematics 1, 53 ab, five more courses numbered above 50, and Education 155 e. A list of recommended teachers is selected each year by vote of the mathematics faculty from those who complete the major.
Minor Study.—Eleven hours in courses numbered above 52.

Note to Beginning Students.—Students electing Mathematics 15 or 18 a will take a placement test in mathematics. Those who do not demonstrate adequate preparation will be required to take Mathematics A before enrolling in these courses.

Primarily for Freshmen and Sophomores

†A. Review Mathematics. (3) Restricted to students who require a thorough review of high school algebra and geometry before taking mathematics 15 or 18 a. Permission to register in this course must be obtained from the department head. Prerequisites: high school algebra, 1 unit; plane geometry, 1 unit. Staff.

1. College Arithmetic. (2) The logical and historical background of arithmetic desirable in the training of teachers. Includes drill on fundamental operations. Mr. Larsen.

14. [14 ab] An Introduction to Mathematics. (3) Stress is placed on fundamental mathematical concepts rather than on manipulative drill. Recommended for students who do not expect to do extensive work in mathematics. Prerequisite: high school algebra, 1 unit. Mrs. Morris, Miss Mitchell, Mr. Zeller.

15. College Algebra. (3) Prerequisites: high school algebra, 1½ units; plane geometry, 1 unit. Staff.

16. Plane Trigonometry. (3) Prerequisite: Mathematics 15, or concurrent registration. Mrs. Morris.

18 ab. Freshman Mathematics. (5-5) Basic course for curricula in mathematics, in engineering, and in other programs in science. Students taking this course will not be given credit in Mathematics 15, 16, or 22. Prerequisites: high school algebra, 1½ units; plane geometry, 1 unit; solid geometry recommended. Mrs. Morris, Miss Mitchell, Miss Hove, Mr. Zeller. N-M3, M4.

22. Analytic Geometry. (3) Prerequisites: Mathematics 15 and 16; Mathematics 16 may be taken concurrently. Mrs. Morris.

42. Introduction to Statistical Methods. (3) A basic course especially for students specializing in the social sciences. Some laboratory work required. Not recommended for mathematics majors. Prerequisite: Mathematics 15, or equivalent. Mr. Larsen.

52. Introduction to Astronomy. (3) A descriptive course not requiring extensive knowledge of science or mathematics. Prerequisites: high school algebra, 1 unit; plane geometry, 1 unit. Mr. Barker.


61 ab. Spherical Trigonometry and Practical Astronomy. (3-3) Especially concerned with the mathematical foundation of navigation and related subjects. Prerequisites: Mathematics 18 ab., or equivalent. Mr. Barker. N-M5, M6.

87. Mathematics of Finance. (3) Accepted for major credit by the Department of Economics and Business Administration. Prerequisites: Mathematics 15 or equivalent. Mr. Larsen.

For Juniors, Seniors, and Graduates

(The courses which follow are open only to students who have completed Mathematics 55 b, or who have the instructor's permission.)

107. Theory of Numbers. (3) Mr. Barker.

115. Theory of Equations. (3) Mr. Barnhart.

131 ab. Mathematics of Statistics. (3-3) Some laboratory work required. Mr. Larsen.

142. Applied Mathematical Methods. (3) Nomography, numerical solution of equations, interpolation, method of least squares, curve fitting, etc. Mr. Larsen.

143. Vector Analysis. (2) Mr. Gentry.

151. Advanced Calculus. (3) Staff.

161. History of Mathematics. (3) Staff.

173 ab. Advanced Analytic Geometry. (3-3) Mr. Barnhart.


181. Theory of Functions of a Real Variable. (3) Mr. Rosenthal.

182. Theory of Functions of a Complex Variable. (3) Mr. Rosenthal. (The seminars which follow are open only to qualified students and permission to register requires the consent of the department head.)

194 abed. Pro-Seminar. (2 hrs. each semester) Advanced reading and beginning research. Staff.

For Graduates Only

204 abed. Seminar. (2 hrs. each semester) Advanced reading and research. Staff.

300. Thesis. (3-3) Staff.

DEPARTMENT OF MODERN LANGUAGES AND LITERATURES

Professors Kercheville (Head), Campa, Ortega; Associate Professors Alexander, DeJongh, Duncan, Jorrin; Assistant Professors Koch, Lopes; Instructors Carniglia, Christoffers, Cobos, Luckey, Pooler.

Because of the demands of the war it may be impossible to offer some of the courses listed. Students concerned with any particular advanced courses are urged to write to the head of the department.

Group Requirements.—Courses in this Department count toward Foreign Language (Group II) with the exception of Spanish 145 ab and courses in the Folklore Division.

Placement Examinations.—Any new student presenting one or more units in Spanish, French, or German and desiring to continue that language in courses below 100 must take the placement examination. On the basis of the result, students will be assigned to the proper courses.

FRENCH

Major Study.—The major in French is suspended for the duration of the war. Normally it will consist of twenty-four hours in courses numbered above 50. All French majors are urged to take a minor in Spanish or another modern language, or Latin.

Minor Study.—Twelve hours in courses numbered above 50.

Primarily for Freshmen and Sophomores

#1 ab. Elementary French. (3-3) Yr. Credit for 1 a suspended until 1 b (or more advanced course) is completed. 1 a and 1 b offered every semester. Mr. DeJongh. N-L1-2.

1. On leave of absence for the duration.
*51 ab. Intermediate French. (3-3) Grammar, reading, and translation. Prerequisites: French 1 ab or the equivalent. 51 a and 51 b offered every semester. Mr. DeJongh. N-L3-4.

For Juniors, Seniors, and Graduates

General prerequisites: French 51 ab or the equivalent

101 ab. Advanced Composition and Conversation. (2-2) Composition based on a thorough review of French grammar and conversation based on modern French plays. Mr. DeJongh.

105 ab. French Literature of the Nineteenth Century. (2-2) Representative works in poetry, drama, and fiction. Mr. DeJongh.

121 ab. The Comedy of Moliere. (2-2) Mr. DeJongh.

151 ab. Survey of French Literature from the Eleventh Century to the Revolution. (3-3) Mr. DeJongh.

For Graduates Only

251 ab. Problems in French Literature. (2-2) Mr. DeJongh.

GERMAN

Major Study.—Not offered.

Minor Study.—Twelve hours in courses numbered above 50.

Primarily for Freshmen and Sophomores

*1 ab. Elementary German. (3-3) Yr. Credit for 1 a suspended until 1 b (or more advanced course) is completed. 1 a and 1 b offered every semester. Mr. Koch. N-L1-2.

*51 ab. Intermediate German. (3-3) Prerequisites: German 1 ab or the equivalent. 51 a and 51 b offered every semester. Mr. Koch. N-L3-4.

61. Post-War Literature. (3) Mr. Koch.


For Juniors and Seniors


ITALIAN

No major or minor study offered.

75 ab. Elementary Italian. (3-3) Although this is an elementary course, the work is done under heavier pressure and more is achieved in reading and conversation than in the elementary language courses numbered 1 ab. It will be open only to students who possess a good knowledge of the grammar of another Romance language and to graduate students, or to those who otherwise satisfy the instructor of their fitness to do the work. Mr. DeJongh.

PORTUGUESE

No major or minor study offered.

75 ab. Portuguese. (3-3) Although this is an elementary course, the work is done under heavier pressure and more is achieved in reading and conversation than in the elementary courses numbered 1 ab. It will be open only to students who possess a good knowledge of the grammar of another Romance language and to graduate students, or
to those who otherwise satisfy the instructor of their fitness to do the work. Sr. Cobos.

151. Survey of Portuguese Literature. (3) Sr. Lopes.
157. Survey of Brazilian Literature. (3) Sr. Lopes.

SPANISH

Major Study.—Twenty-four hours in courses numbered above 50, including Spanish 93 ab, 151 ab, and 153; and two years of college work in another modern language or Latin.

Minor Study.—15 hours in courses numbered above 50.

Primarily for Freshmen and Sophomores

*1 ab. Elementary Spanish. (4-4) Yr. Credit suspended for 1 a until 1 b (or more advanced course) is completed. 1 a and 1 b offered every semester. Staff. N-L1-2.
*41 ab. Intermediate Spanish. (3-3) 41 a and 41 b offered every semester. Staff. N-L3-4.
*43 ab. Elementary Spanish Conversation. (1-1) To be taken concurrently with Spanish 41 a and 41 b. Enrollment limited to fifteen students of A or B standing. Staff.
55 ab. [Advanced Spanish] Primer curso para estudiantes de habla espanola. (3-3) Sr. Ortega.
91 ab. Introduction to Spanish Literature. (3-3) Prerequisite 41 ab or the equivalent. Mrs. Pooler. N-L6-7.
93 ab. Intermediate Composition and Conversation. (2-2) Required of all majors. Prerequisite: two years of college Spanish or equivalent. Sr. Jorrin.
95. Spanish Business Letter Writing. (2) Prerequisite: two years of college Spanish or equivalent. Miss Christoffels.
96. Commercial and Industrial Language Practice in Hispanic Countries. (2) Prerequisite: two years of college Spanish or equivalent. Miss Christoffels.

For Juniors, Seniors, and Graduates

Spanish 91 ab or the equivalent is a prerequisite for all literature courses in this section.

101 ab. Curso avanzado para estudiantes de habla espanola. (3-3) Prerequisite: Spanish 55 ab. Sr. Ortega.
105 ab. Contemporary Spanish Literature. (2-2) Staff.
107 ab. Spanish Novel. (2-2) Mr. Kercheville.
121 ab. Modern Spanish Drama. (2-2) Staff.
125 ab. Spanish Literature of the 19th and 20th Centuries. (3-3) Mr. Luckey.
131 abc. Advanced Composition and Conversation. (2-2-2) Prerequisite: three years of college Spanish or equivalent. Sr. Ortega.
151 ab. Survey of Spanish Literature. (3-3) Required of Spanish majors. Mr. Kercheville.
153. Phonetics. (2) Prerequisite: three years of college Spanish or equivalent. Required of all majors. Mr. Duncan.
157 ab. Survey of Spanish-American Literature. (2-2) Either this course or Spanish 163 ab is required of candidates for the Master’s Degree. Sr. Jorrin.
163 ab. Contemporary Spanish-American Literature. (2-2) Open only to graduate students and especially qualified undergraduates.
Either this course or Spanish 157 ab is required of candidates for the Master's Degree. Sr. Jorrin.

155 ab. Cervantes and the Spanish Golden Age. (3-3) Life and works of Cervantes; sources; historical developments in sixteenth and seventeenth century Spain relating to literature; influence of Cervantes in foreign literatures. Sr. Ortega.

171. Lyric Poetry. (3) Required of candidates for a graduate degree. Staff.

180 abc. Realism in Spanish Literature. (2-2-2) Sr. Ortega.

For Graduates Only

201 ab. History of the Spanish Language. (2-2) Evolution of Spanish from Latin; reading from medieval texts. Required of all candidates for a graduate degree. Mr. Duncan.

205. Research Methods, (2) Required of candidates for a graduate degree. Mr. Duncan.

251 ab. [Seminar] Problems in Spanish Language or Literature. (2-2) Staff.


300. Thesis. (4-6).

FOLKLORE

Sr. Campa's courses in Folklore are omitted for the duration of the war.

115. Southwestern Folklore. (2) Special stress on New Mexico. Sr. Campa.

161. Folktales. (2) In Europe and Spanish America. Sr. Campa.

162. Folk Ballads and Songs. (2) Spanish balladry in the New World, particularly in New Mexico. Sr. Campa.

DEPARTMENT OF PHILOSOPHY

Professor Knodé (Head); Associate Professor Alexander.

Group Requirements.—Courses in this department count toward Social Science (Group III).

Major Study.—Philosophy 40, 56, 141 ab, and nineteen additional hours of which at least four must be numbered above 100.

Minor Study.—Philosophy 40, 56, 141 ab, and 4 additional hours.

Note: Students planning to complete a major or a minor in philosophy are urged to take many broad fundamental courses, and should consult members of the department as early as possible concerning their selection.

Primarily for Freshmen and Sophomores

*40. Introduction to Philosophy. (2) The function of philosophy and its approach to human problems; the relation of philosophy to science. Mr. Knodé, Mr. Alexander.

*53. Ethics. (2) Problems of human values, individual and social. Mr. Alexander.

*55. Thought and Expression. (3) Introduction to linguistics and logical expression. Recommended as preparatory to Philosophy 56. Mr. Alexander.


64. Philosophy and Religion. (2) Their relationships as exemplified in Christianity and Western philosophy. Mr. Knodé.
72. Conflicts in American Thought. (3) Present-day ideological strife in philosophy, religion, and education. Mr. Knodle.
74. Philosophy of Science. (2) Theory and criticism of science and the scientific method. Mr. Alexander.

For Juniors, Seniors, and Graduates
102. Aesthetics. (2) Theories of the systematic interpretation of beauty illustrated from the fine arts. Mr. Alexander.
123. Hispanic Thought. (2) A philosophical interpretation of the Spanish mind. (Offered alternately with Philosophy 102.) Mr. Alexander:
141 ab. Survey of Philosophy. (3-3) Study of the philosophies that have been most influential in Western thinking. Prerequisite: Philosophy 40. Mr. Alexander.
176. Contemporary Philosophy. (3) Present-day philosophic thought with special reference to the works of Whitehead and Dewey. Prerequisite: Philosophy 40. Mr. Knodle.
191 ab. General Linguistics and Theory of Language. (2-2) (Offered upon sufficient demand.) Mr. Alexander.
195 ab. Epistemology and Advanced Logic. (2-2) Basic problems of logical thinking and the scientific method. Prerequisite: Philosophy 51. (Offered upon sufficient demand.) Mr. Alexander.

For Graduates Only
241 ab. Periods of Special Philosophical Significance. (2-2) Plato and Aristotle; Descartes, Spinoza, and Leibniz; Locke, Berkeley, and Hume; Kant, Fichte, and Hegel; or others to be chosen by the group. Prerequisite: Philosophy 141 ab. Mr. Alexander.
251 ab. Problems. (2-2).
300. Thesis. 4-6.

DEPARTMENT OF PHYSICS
Professor Workman (Head); Professor Holzer; Assistant Professor Snodgrass; Instructors Breiland, Shapiro, Drescher.

Group Requirements.—Courses in this department count toward Science and Mathematics (Group IV).

Major Study.—Eighteen hours in courses above 100.
Minor Study.—Eight hours in courses above 100.
Minor Study in Meteorology.—Physics 101 and 116 ab or 117 abL.

Primarily for Freshmen and Sophomores
1 abL. General Physics. (4-4) Prerequisites: algebra and plane geometry. 3 hrs. lecture, 3 hrs. lab. Staff. N-PH1, 2.
53 ab. General Meteorology. (3-3) An introduction to the study of the fundamental physical processes underlying weather phenomena and to modern methods of weather forecasting. For students who need a background for more advanced meteorological study or non-professional students who wish to study only the fundamentals of meteorology. Prerequisite: Physics 1 b, or equivalent. Co-requisite: Mathematics 53 a, or approval of staff.
For Juniors, Seniors, and Graduates


102. Optics. (3) Geometrical and physical. Prerequisite: Physics 1 b. (Offered in alternate years.) Staff. N-PH13.

102 L. Optics Laboratory. (1) Co-requisite: Physics 102. 3 hrs. lab. Staff. N-PH13L.

111 ab. Electricity and Magnetism. a. 2 or 3 credit hours. General theory of electrostatics, magnetostatics, direct current phenomena, and electro-magnetic induction. Prerequisites: Physics 1 b and Mathematics 53 b. Staff. b. 3 credit hours. Theory of alternating current circuits, and electro-magnetic transients. Prerequisite: Physics 111 a. Staff. 111 a is equivalent to N-PH7.

111 aL. Electricity and Magnetism Laboratory. (1 or 2) Co-requisite: Physics 111 a. 3 hrs. lab. for each hr. of credit. Staff.

113. Climatology. (3) (See Anthropology 113.)

116 ab. Dynamic Meteorology. (3-3) Prerequisites: Physics 1 b and Mathematics 53 b. Mr. Breiland.

117 aL. Synoptic Meteorology. (3-3) Weather forecasting and analysis. Prerequisite: Approval of staff. 1 hr. lecture, 6 hrs. lab. Mr. Breiland.

142. Analytic Mechanics. (3) A mathematical presentation of kinematics, dynamics, and statics. Prerequisites: Physics 1 b and Mathematics 53 b. Staff.

151 ab. Atmospheric Physics. (3-3) Staff.

191. Contemporary Physics. (3) A survey of selected subjects in the fields of kinetic theory, thermodynamics, electromagnetic theory and quantum theory. Prerequisite: approval of staff. Staff.

192. Contemporary Physics. (3) A survey of selected subjects in the fields of atomic and nuclear physics. Prerequisite: approval of staff. Staff.

For Graduates Only

251. Problems. (2-4) Staff.

300. Thesis. (4-6) Staff.

DEPARTMENT OF PSYCHOLOGY

Professors Haught (Head), Peterson; Associate Professor Du-Bois1; Instructor Sterrett.

Group Requirements.—Psychology 1 abL, 51 L, and 121 abL count toward Science and Mathematics (Group IV). In the College of Arts and Sciences, courses 31 and 32 count toward Social Science (Group III).

Major Study.—College of Arts and Sciences: Twenty-four hours in courses numbered above 50.

College of Education: Twenty-seven hours in courses numbered above 50.

Clinical Psychology (either College): Twenty-four hours in courses numbered above 50.

Minor Study.—College of Arts and Sciences: Twelve hours in courses numbered above 50.

College of Education: Fifteen hours in courses numbered above 50.

1. On leave of absence.
Primarily for Freshmen

*1 abl. General Psychology. Yr. (3-3) Credit suspended for 1 abl until 1 bbl is completed. Course 1 abl is prerequisite to 1 bbl. 2 hrs. lecture, 2 hrs. lab. Mr. Peterson, Miss Sterrett.

*31. Mental Hygiene. (3) Factors in mental health, and the influences tending toward the normal. Miss Sterrett.

*32. Psychology of Personality. (3) The development and nature of personality and character. Miss Sterrett.

Primarily for Sophomores

*51 L. General Psychology. (3) An introductory course. Not open to those who have credit for Psychology 1 abl. 2 hrs. lecture, 1 hr. lab. Mr. Haught, Mr. Peterson, Miss Sterrett.

51 N. General Psychology. (3) Same as Psychology 51 L but without laboratory. N-PS1. Staff.

*52. Fields of Psychology. (3) Systematic schools of psychology, and other topics. Prerequisite: Psychology 1 abl or 51. Mr. Peterson.

*54. Educational Psychology. (3) An introductory course. Limited to sophomores. Prerequisite: Psychology 1 abl or 51 L. Miss Sterrett.

*56. Applied Psychology. (3) Applications of psychology to business and professions. Prerequisite: Psychology 1 abl and 51. Mr. DuBois.

For Juniors, Seniors, and Graduates

101. Social Psychology. (3) The behavior of individuals as influenced by other human beings. Prerequisite: Psychology 1 abl or 51. Mr. Haught. N-PS3.

103. Abnormal Psychology. (3) Prerequisite: Psychology 1 abl or 51. Mr. Haught. N-PS2.

121 abl. Experimental Psychology. (3-3) Sensory and motor processes; learning and the higher mental processes. Prerequisite: Psychology 1 abl or 51. 1 hr. lecture, 4 hrs. lab. Mr. Peterson.

181. Educational Tests and Statistics. (3) Prerequisite: Psychology 1 abl or 51. Mr. Haught.

183. Educational Psychology. (3) Advanced course. Prerequisite: Psychology 1 abl or 51. Mr. Haught.

185. Mental Measurements. (3) Prerequisite: Psychology 1 abl or 51. Mr. Haught.

186. Psychology of Exceptional Children. (3) Intellectual and emotional deviations, with emphasis on the psychology of social and educational guidance. Prerequisite: Psychology 1 abl or 51. Mr. DuBois.


188. Classroom Tests. (2) Construction, evaluation, and uses of objective tests. Mr. Haught or Mr. DuBois.

190 L. Clinical Psychology. (3) Clinical practice in the administration of psychological tests; round table discussion of problem cases. Prerequisite: Psychology 1 abl or 51 and 185. Seniors or graduates may take 185 at the same time as 190 L. 1 hr. lecture, 4 hrs. lab. Miss Sterrett.

193. Animal Psychology. (3) A comparative study of heredity, maturation, learning, and the higher mental processes as revealed in various animals. Prerequisite: Psychology 1 abl or 51. Mr. Peterson.

193 L. Animal Psychology Laboratory. (2) 5 hrs. lab. Mr. Peterson.

196. Physiological Psychology. (3) Correlation of behavior and structure, with emphasis on the nervous system. Prerequisite: Psychology 1 abl or 51, and 193. Mr. Peterson.
196. L. Physiological Psychology Laboratory. (2) 5 hrs. lab. Mr. Peterson.
198. History of Psychology. (3) Prerequisite: Psychology 1 abL or 51. Mr. Peterson.

For Graduates Only
251. Problems. (2-3) Staff.
300. Thesis. (2-4) Staff.

DEPARTMENT OF SOCIOLOGY
Professor Walter (Head); Associate Professor Miller; Assistant Professor Hutchinson.

Group Requirements.—Courses in this department count toward Social Science (Group III).

Major Study.— Twenty-four hours in courses numbered above 50, including eighteen numbered above 100.

Minor Study.—Twelve hours in courses numbered above 50.

*1 ab. Introduction to Social Science. (Same as Economics 1 ab and Government 1 ab.) (3-3) A study of current social, economic, and political problems with particular reference to the United States. Credit suspended until both semesters are completed. This course is prerequisite to most advanced courses in Sociology. Staff.

Primarily for Freshmen and Sophomores
51. The Family. (3) Study of a type social institution. Mr. Walter.
66. Culture Growth. (3) Origins and diffusion of culture. Prerequisite, Sociology 65 or permission of instructor. Mrs. Miller.
71. Social Control. (3) Agencies and processes by which groups regulate their members. Prerequisite: Sociology 1 ab or equivalent. Mrs. Miller.
72. Social Pathology. (3) Diagnosis, remedial, and prevention programs in connection with individual inadequacies which limit social participation. Mrs. Miller.
73 ab. Introduction to Latin America. (Same as Economics 73 ab and Government 73 ab.) (3-3) Mr. Jorrin.

For Juniors, Seniors, and Graduates
104. Social and Economic Planning for Post-War Reconstruction. (3) Prerequisite: Sociology 1 ab or equivalent. Mr. Walter.
105. Rural Sociology. (3) Special emphasis on rural problems of New Mexico. Prerequisite: Sociology 1 ab or equivalent. Mr. Walter.
106. Urban Sociology. (3) Prerequisite: Sociology 1 ab or equivalent. Mrs. Miller.
109. Criminology. (3) Crime as a social phenomenon. Prerequisite: Sociology 71 or equivalent. Mrs. Miller.
110. Juvenile Delinquency. (2) Introduces case study approach. Mr. Walter.
111 ab. Social Problems of Latin America. (3-3) Prerequisite: Sociology 73 ab. Mr. Jorrin.
115. Community Organization. (2) Prerequisite: Sociology 1 ab or equivalent. Mr. Walter.

1. On leave of absence.
140. Economic Security. (3) (Same as Economics 140.) Mr. Walter.
154. Race and Culture Relations. (3) Mrs. Miller.
163. Early Social Thought. (3) Prerequisite: Sociology 1 ab or equivalent. Mr. Walter.
164. Contemporary Social Thought. (3) Prerequisite: Sociology 163 or consent of the instructor. Mr. Walter.
170. Organization for Social Welfare. (3) Prerequisite: Sociology 1 ab or consent of the instructor. Mrs. Miller.
195. Population Problems. (3) Prerequisite: Sociology 1 ab or equivalent. Mr. Walter.

For Graduates Only
201 ab. Research Methods. (3-3) Staff.
251 ab. Problems. (3-3) Staff.
300. Thesis. (4 to 6) Staff.
COLLEGE OF EDUCATION

Purpose

The purpose of the College of Education is to correlate the forces of the University in order to meet the needs of the state in the preparation, training, and certification of teachers, supervisors, and administrators. The college sets for itself these tasks: the thorough training of elementary and high school teachers and of supervisory and administrative officers; the provision of courses in the various fields of education, and of opportunities for research.

The curricula are based upon the assumption that the teacher or supervisory officer should have a broad and liberal education; that he should be master of the subject or group of subjects that he expects to teach; and that his training should be supplemented by professional education designed to give a knowledge of the pupils to be taught, the problems to be met in teaching, and the new meaning of the subjects of instruction. For the prospective teacher this policy has the effect of placing the emphasis upon the subjects he intends to teach.

Standards

Graduation from the College of Education meets the requirements of the New Mexico State Board of Education for certification of high school and elementary teachers, and the recommendations of the North Central Association of Colleges and Secondary Schools as to professional subjects in education, and the proper subject matter courses for purposes of high school teaching. Because of the tendency in various states to increase the number of credit hours in education for certification, students are advised to secure credit in not less than twenty-four semester hours in education, including general psychology.

Principles Governing the College of Education in Its Teacher Education Program

1. The direction of the programs of all students expecting to receive a Bachelor's degree in Education should be under the supervision of the College of Education.

2. Although it shall be the general policy of the College of Education to accept the recommendation of the department concerned, the College of Education reserves the right of final approval of the specific courses within fields as suitable majors or minors for students enrolled in the College of Education.

3. All courses in educational methods are to be taught by persons approved by the dean of the College of Education.

4. For those students who desire to prepare themselves to teach music or art in the elementary, junior high, and senior high schools, majors in Music Education and Art Education are offered.

5. Instructors teaching courses in both methods and subject matter courses are considered members of the faculty of the College of Education as well as of the college in which the subject matter courses are represented.
Admission

For the quantitative requirements for admission to the College of Education, see "Admission and Expenses."

In the admission of applicants to the College of Education, the following points will be considered: (1) good moral character, (2) physical and intellectual fitness, and (3) personal qualities necessary for success in some field of education.

A student intending to prepare for teaching should register in the College of Education, in order that he may be educationally guided and be enabled to make the necessary professional adjustments.

Maximum Number of Hours

No student in this College may enroll for more than 17 semester hours, plus one hour of physical education (or military drill in the case of N.R.O.T.C. students), unless his standing for the previous semester was at least B in two thirds of his studies, with no grade below C; and then only by presenting a written petition to the Committee on Scholarship, which may, in its discretion, grant permission to enroll for extra work up to a maximum of 19 hours.

Extra-Curricular Activities for Teachers

In choosing teachers, principals and superintendents are always anxious to find candidates who are able to handle extra-curricular activities, or who have developed some particular ability which will contribute to the life of the school. From the point of view of getting a position and, becoming indispensable after the position has been secured, such specialized abilities as those which enable teachers to direct glee clubs, coach athletic and debating teams, manage student publications, and sponsor school clubs of various kinds, are extremely important. There are many opportunities at the University for securing training and experience in these fields. It is strongly recommended that prospective teachers take advantage of them.

Practice Teaching Facilities

The College of Education has made arrangements with the Albuquerque public school authorities whereby student teaching is carried on under the personal direction of selected teachers, who act as critic teachers under the general direction of a professor of education in the College of Education.

The facilities of the city school system furnish an excellent opportunity for students to work in a practical laboratory where the principles and best practice in teaching can be exemplified and applied. The practice teaching is correlated with the subjects taught in the University.

Laboratories

Laboratory for the Department of Secondary Education.—The facilities of the Department of Secondary Education have been materially increased by the equipment of a workroom, or laboratory, in which will center all work connected with the professional training of high school teachers. The major publishing houses are keeping this room supplied with textbooks and other materials of secondary education with which students will wish to become familiar. Here, too, will be found various types of research materials for students in this department.
Laboratory and Materials for the Department of Elementary Education.—A large workroom is available for students. It is equipped with apparatus and materials to assist in constructing units of work for practice teaching and classwork.

A laboratory in commercial education is now available for those who are preparing to teach in that field. This laboratory has been added to meet a recognized need in the public schools.

Longfellow School.—Through a coöperative arrangement with the Albuquerque Public Schools, the University is enabled to use the Longfellow School for demonstration and practice teaching. Here in typical situations the beginning teacher is assisted in solving her problems by experienced critic teachers. The work is under the direction of the school principal and the director of practice teaching in the College of Education.

Placement Bureau

A placement bureau, one function of which is to assist students and graduates of the University in obtaining positions in the teaching profession, is maintained by the University. The bureau aims to keep on file a complete record of the scholarship, experience, and personal qualifications of each candidate for a position. Copies of these records will be mailed to school officials at their request. The University reserves the right to refuse to extend its cooperation to students who apply for positions for which they are manifestly unfit.

Blanks for registration may be obtained from the Placement Bureau. A fee of $2 is charged each registrant and includes permanent registration. No commission is charged by the Bureau. Communications should be addressed to the Placement Bureau.

Scholarship Regulations

Scholarship regulations for freshmen and sophomores are as follows:

Probation.—A student is placed on probation at the end of any semester or summer session when the total number of points earned in university work drops below three fourths of the total number of hours for which the student has registered.* Hours given the mark of W will be excluded from this computation.

Suspension (General).—A student will be recommended for suspension at the end of any semester or summer session when he is placed on probation for the second successive time.

Suspension (Juniors and Seniors).—It is the opinion of the faculty of the College of Education that candidates for the teaching profession should maintain at least an average scholarship record. Therefore, beginning with the junior year, a student will be recommended for suspension from the College of Education at the end of any semester or summer session when the total number of points earned in university work drops below the total number of hours for which the student has been registered. Hours given a mark of W will be excluded from this computation.

*Exclusive of hours in required P. E. and ensemble music.
Requirements for Graduation

Upon the completion of all specified requirements, candidates for degrees in the College of Education who major in commercial work, educational administration, home economics, mathematics, or a science, receive the degree of Bachelor of Science in Education; those who major in physical education receive the degree of Bachelor of Science in Physical Education; those who major in industrial arts receive the degree of Bachelor of Science in Industrial Arts Education, and those who major in other subjects receive the degree of Bachelor of Arts in Education.

Candidates for degrees in the College of Education are required to comply with the following regulations:

1. Students who plan to be high school teachers should complete a major and a minor in subjects usually taught in high schools.

2. A major is the principal subject which the student desires to teach in high school. It consists of a minimum of twenty-four semester hours above freshman grade in the subject selected. It must be chosen with the advice of the dean.

A minor should be selected in a subject which the student plans to teach, and whenever possible, the student should secure a second minor. The specific requirements for majors and minors are listed under the several departments; the work in these fields must be of at least C quality, and courses in which the grade of D is earned are accepted only as electives.

3. It is often necessary for the teacher of science to teach classes in more than one field. The same is true of teachers of social science. This makes it impossible for students to make adequate preparation for teaching in these fields by completing a major in any one department of the University.

Therefore, students preparing to teach in one of these fields will be permitted to complete either a general Major in Science or a general Major in Social Science as follows:

A. Major in Science in Secondary Education

The major in science shall consist of 48 hours, including freshman courses, in the Departments of Biology, Chemistry, Geology, and Physics. The student shall offer a minimum of 12 hours in each of three of these departments. No minor is required, but one is strongly recommended. Survey courses will not be accepted toward the major. Necessary deviation from the rule requiring 40 hours above 100 will be approved in individual cases.

B. Major in Social Studies in Secondary Education

Students preparing to teach the social studies in secondary schools may be permitted to offer a major in general social studies. Such general social studies major shall consist of at least 48 hours, including freshman courses, of which 18 hours must be in the Department of History, 9 hours in the Departments of Government and Citizenship and Economics, 9 hours in the Departments of Sociology, Anthropology, and Geography, 12 hours in electives from social studies departments. No minor is required with the general social studies major, but one is strongly recommended.
4. The demand for teachers of commercial subjects has steadily increased in recent years. Students preparing to teach in high school may now offer a major or minor in this field. Upon graduation, they will receive the degree of Bachelor of Science in Education.

5. Students preparing to teach should follow the curriculum as outlined. A minimum of 128 semester hours, including physical education (or equivalent N.R.O.T.C. credits), is required for graduation. This amount is based upon an average quality of work done. Ninety hours of the total must be C grade or better, and, in addition, students transferred from other institutions must make a grade of C or better in three fourths of the hours earned in the University of New Mexico.

6. In addition to the required work in majors and minors, professional courses in education are required as outlined in the various curricula. All candidates for degrees are required to take a course in observation and practice teaching.

7. Students who desire to prepare for administrative or supervisory positions should major in the curriculum for administrators and supervisors, and should minor in some subject which has bearing upon their chosen field of work.

8. Students who plan to teach in the elementary schools are not required to have a major or a minor. They will be expected to follow the curriculum as outlined below.

9. Each candidate for a degree must complete at least 40 semester hours in courses numbered above 100.

10. No student shall be recommended for graduation unless he shows ability to write clear and correct English.

11. For minimum residence requirements, see "Degree Requirements."

Group Requirements

Students must complete the following requirements in the various groups. As much of this work as possible should be done in the freshman and sophomore years, and professional work and major and minor requirements should be completed in the junior and senior years. For required courses in physical education, see "Graduation Requirements."

I. English.—As evidence of proficiency in oral and written English a student must earn 12 semester hours. Six hours must be earned in English 1 ab and 6 additional hours must be earned in courses numbered above 50. (In the elementary curriculum, these additional hours must be in literature.)

II. Foreign Language.—A student who has been admitted with no credit in a foreign language, or who begins a language in which he has done no work in high school is required to complete four semesters or twelve hours credit in one foreign language.

Other students continuing a language begun in high school will be tested and assigned to courses according to ability shown. Such students will then complete the remainder of the twelve hours required. Substitutions may be made as follows:

(1) Administrators and supervisors may substitute an equal number of hours of professional subjects.
(2) Students preparing to teach in high school may substitute an equal number of hours in their major and minor fields in addition to the regular requirements. This additional work must be of C grade or better.

(3) Students preparing to teach in the elementary schools are advised to take Spanish, but no foreign language is required.

III. Social Studies.—Nine semester hours (not more than 6 from one department) must be completed in approved* courses in the Departments of Anthropology, Economics, History, Government and Citizenship, Philosophy, or Sociology. A student admitted with less than one unit in social science is required to complete 12 hours in this group.

IV. Mathematics and Sciences.—Eleven semester hours (not more than 8 from one department, and including 6 hours in courses that require laboratory work) must be completed in approved* courses in the Departments of Biology, Chemistry, Geology, Home Economics, Mathematics, Physics, or Psychology. A student admitted with high school deficiencies in both mathematics and science is required to complete a total of 17 hours in this group.

Curricula

The following curricula have been outlined for the purpose of directing students in their chosen fields of work. There are curricula for students preparing to teach in high schools, and for students who wish to teach in the elementary schools.

Special curricula are provided for students preparing to teach art, music, physical education, or home economics in public schools.

The course in the Department of Naval Science and Tactics may be substituted during each semester of each school year for courses in required Physical Education. The course in Naval Science may also be substituted for courses in each of the curricula as prescribed by the dean.

Curriculum for Students Preparing to Teach in High School.— (Leading to the degree of Bachelor of Arts in Education or Bachelor of Science in Education.)

**Freshman Courses**

<table>
<thead>
<tr>
<th>First Half</th>
<th>Second Half</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English 1 a</strong></td>
<td>3</td>
</tr>
<tr>
<td>Mathematics or Science</td>
<td>3-4</td>
</tr>
<tr>
<td>Social Studies</td>
<td>3</td>
</tr>
<tr>
<td>†Foreign Language</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td>Electives</td>
<td>3</td>
</tr>
</tbody>
</table>

**Sophomore Courses**

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English</strong></td>
<td>3</td>
<td>English</td>
</tr>
<tr>
<td>Psychology 51 L</td>
<td>3</td>
<td>†Education 54 (Psychology)</td>
</tr>
<tr>
<td>Social Studies</td>
<td>3</td>
<td>†Foreign Language</td>
</tr>
<tr>
<td>†Foreign Language</td>
<td>3</td>
<td>Physical Education</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
<td>Electives or Science</td>
</tr>
<tr>
<td>Electives</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

*For approved courses, see Departments of Instruction.
† For substitution see Group Requirements for Graduation.
‡ If not taken during the sophomore year, an advanced course must be substituted according to the advice of the dean.
## College of Education

### Junior Courses

<table>
<thead>
<tr>
<th>First Half</th>
<th>Second Half</th>
</tr>
</thead>
<tbody>
<tr>
<td>/Education 101</td>
<td>/Education 102</td>
</tr>
<tr>
<td>Education 107</td>
<td>Education 153</td>
</tr>
<tr>
<td>Education 141</td>
<td>Teachers' Course</td>
</tr>
</tbody>
</table>

- Majors and Minors: 8-9

### Senior Courses

<table>
<thead>
<tr>
<th>Teachers' Course</th>
<th>Education 156</th>
</tr>
</thead>
<tbody>
<tr>
<td>Majors and Minors</td>
<td>Majors and Minors</td>
</tr>
</tbody>
</table>

### Curriculum for Students Preparing to Teach in Elementary Grades

- (Leading to the degree of Bachelor of Science in Education.)

#### Freshman Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 1 a</td>
<td>3</td>
</tr>
<tr>
<td>Biology 1 aL</td>
<td>4</td>
</tr>
<tr>
<td>History 1 a or 11 a</td>
<td>3</td>
</tr>
<tr>
<td>Art 1 a</td>
<td>3</td>
</tr>
<tr>
<td>P. E.</td>
<td>1</td>
</tr>
<tr>
<td>Elective: Language or Anthropology</td>
<td>3</td>
</tr>
</tbody>
</table>

- Majors and Minors: 2-3

#### Sophomore Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 53 a</td>
<td>3</td>
</tr>
<tr>
<td>Geology 1</td>
<td>3</td>
</tr>
<tr>
<td>History 51 a</td>
<td>3</td>
</tr>
<tr>
<td>Language or Mathematics 1</td>
<td>3</td>
</tr>
<tr>
<td>Psychology 51 L</td>
<td>3</td>
</tr>
<tr>
<td>Music Education 53 a</td>
<td>2</td>
</tr>
<tr>
<td>P. E.</td>
<td>1</td>
</tr>
<tr>
<td>Elective: Language or Anthropology</td>
<td>3</td>
</tr>
</tbody>
</table>

- Majors and Minors: 2-3

#### Junior Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education 121</td>
<td>3</td>
</tr>
<tr>
<td>Education 123</td>
<td>3</td>
</tr>
<tr>
<td>Education 124</td>
<td>2</td>
</tr>
</tbody>
</table>
| Education: 
  Dramatic Art 
  Corrective Speech 
  Geology 54 
  Anthropology 
  *College Arithmetic 
  Sociology 71 | 6 |

- Majors and Minors: 2-3

#### Senior Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education 107</td>
<td>2</td>
</tr>
<tr>
<td>Education 123</td>
<td>3</td>
</tr>
<tr>
<td>English 82</td>
<td>3</td>
</tr>
<tr>
<td>Government 163</td>
<td>3</td>
</tr>
</tbody>
</table>
| Elective: Child Psychology 
  Art or Music | 6 |

- All programs must be approved by Head of Department.

### Curricula for Men Students Preparing to be Physical Education Directors in High Schools

- Outlined for men preparing to teach physical education. This curriculum leads to the degree of Bachelor of Science in Physical Education.

#### Freshman Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 1 a</td>
<td>3</td>
</tr>
<tr>
<td>Chem 40 aL</td>
<td>5</td>
</tr>
<tr>
<td>Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education 1</td>
<td>1</td>
</tr>
<tr>
<td>Elective</td>
<td>5</td>
</tr>
</tbody>
</table>

- One of these courses is required.
- Majors and Minors: 2-3

---

* For required courses see Departments of Instruction.

† One teacher's course, according to the advice of the dean.

* For those who fail to pass an achievement test.
**Sophomore Courses**

<table>
<thead>
<tr>
<th>First Half</th>
<th>Second Half</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 55</td>
<td>English 58</td>
</tr>
<tr>
<td>Psychology 51 L</td>
<td>Education 64</td>
</tr>
<tr>
<td>Physical Education 61 L</td>
<td>Physical Education 62 L</td>
</tr>
<tr>
<td>Health Education 72</td>
<td>Physical Education 41 L</td>
</tr>
<tr>
<td>Physical Education 40 L</td>
<td>Physical Education M</td>
</tr>
<tr>
<td>Physical Education M</td>
<td>Electives</td>
</tr>
<tr>
<td>Electives</td>
<td>Biology 38</td>
</tr>
</tbody>
</table>

**Junior Courses**

<table>
<thead>
<tr>
<th>Physical Education 104 L</th>
<th>Education 102</th>
<th>Biology 58 L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education 107</td>
<td>Physical Education 102 L</td>
<td></td>
</tr>
<tr>
<td>Education 141</td>
<td>Physical Education M</td>
<td></td>
</tr>
<tr>
<td>Education 101</td>
<td>Physical Education 162 L</td>
<td></td>
</tr>
<tr>
<td>Education 183</td>
<td>Home Economics 104</td>
<td></td>
</tr>
</tbody>
</table>

**Senior Courses**

<table>
<thead>
<tr>
<th>Education 153</th>
<th>Education 156</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Education 161</td>
<td>Physical Education 183 b</td>
</tr>
<tr>
<td>Physical Education 156</td>
<td>Physical Education 172</td>
</tr>
<tr>
<td>Physical Education 135 L</td>
<td>Physical Education 186</td>
</tr>
<tr>
<td>Physical Education 183 L</td>
<td>Health Education 185</td>
</tr>
<tr>
<td>Minor or Electives</td>
<td>3-4 Electives</td>
</tr>
</tbody>
</table>

The following minors in physical education have been outlined for men:

**Athletic Coaching.**—Twenty-four semester hours. This minor is offered to qualify men to meet the demands of high schools and colleges for coaches and athletic supervisors who are also prepared to teach some academic subject. Practical work which is required, but given no academic credit, is to be arranged at the discretion of the department according to the student's needs. Physical Education 40 L and 41 L are recommended for all minors although they are not required.

<table>
<thead>
<tr>
<th>Home Economics 104</th>
<th>Physical Education 172</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Education 22 L</td>
<td>Biology 1 aL</td>
</tr>
<tr>
<td>Physical Education 61 L</td>
<td>Biology 36</td>
</tr>
<tr>
<td>Physical Education 62 L</td>
<td>Physical Education 104 L</td>
</tr>
<tr>
<td>Physical Education 186</td>
<td></td>
</tr>
</tbody>
</table>

**Formal Physical Education.**—Twenty-four semester hours. This minor is intended to meet the needs of those students who wish to combine the teaching of physical education with their major subjects. Physical Education 40 L and 41 L are recommended for all minors although they are not required.

<table>
<thead>
<tr>
<th>Home Economics 104</th>
<th>Physical Education 172</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Education 101</td>
<td>Biology 1 aL</td>
</tr>
<tr>
<td>Physical Education 102 L</td>
<td>Biology 36</td>
</tr>
<tr>
<td>Physical Education 136 L</td>
<td>Physical Education 184 L</td>
</tr>
<tr>
<td>Physical Education 161</td>
<td></td>
</tr>
</tbody>
</table>

**Curriculum for Women Students Preparing to Teach Physical Education.**—Designed for training of teachers and supervisors of physical education. The curriculum leads to a degree of Bachelor of Science in Physical Education. Only students in satisfactory physical condition may take the course.

---

+ One of these courses is required.
* One of these courses is required.
| College of Education | 111 |

## Freshman Courses

### First Half
- Physical Education 14
- Physical Education 5
- English 1 a
- Chem 40 aL
- Sociology
- Electives

### Second Half
- 1
- English 1 b
- Chem 40 bL
- Biology 1 aL
- Physical Education 42
- Electives

### Sophomore Courses
- English 55
- Psychology 51 L
- Health Education 72
- Physical Education 18
- Physical Education 2
- Electives
- Physical Education 6

### Junior Courses
- Education 107
- Education 141
- Physical Education 105 a
- Education 101
- Physical Education 107
- Physical Education 104 L

### Senior Courses
- Physical Education 155
- Physical Education 101
- Physical Education 181
- Physical Education 1
- Education 153
- Physical Education 185 L
- Electives

---

**Curriculum for Students Preparing to Teach Home Economics.**

(Leading to the degree of Bachelor of Science in Education.) The College of Education curriculum for students preparing to teach Home Economics is approved by the State Department of Vocational Education for the training of teachers of homemaking who desire to teach in the federally-aided (Smith-Hughes) schools of the state.

## Freshman Courses

### First Half
- English 1 a
- Biology 1 aL
- Art 1 a
- Home Economics 1 or 2 L
- Physical Education
- Library Science 1

### Second Half
- 3
- English 1 b
- Biology 36
- Art 1 b
- Sociology
- Physical Education 1 or 2 L
- Physical Education

### Sophomore Courses
- English
- Chemistry 40 aL
- Psychology 51 L
- Home Economics 53 aL
- Home Economics 63 aL
- Physical Education

### Junior Courses
- Home Economics 127 L
- Home Economics 107 L
- Home Economics 138 L
- Electives

### Senior Courses
- Home Economics 109
- Education 107
- Education 153
- Economics 105
- Electives

---
Curricula for Students Preparing to Teach Music Education.—
(Leading to the degree of Bachelor of Arts in Education). The following courses will satisfy the requirements for a major study in Music Education. Candidates must complete a minor study in some other teaching subject, and follow the curriculum for Elementary or Secondary Education. Applied music must include voice and piano study, the number of hours in each to be determined upon consultation with the head of the Department of Music Education.

If electives are selected in the Music Department, the following courses are recommended: Music 95 ab, 111 ab, 157 ab, or applied music. For those students preparing to teach in secondary schools we recommend elective hours in Dramatic Art 90 ab.

Curriculum for students preparing to teach music in the elementary grades: (Students preparing to teach music in the elementary schools should follow the elementary curriculum as outlined on page 109, but should take the required number of hours and courses to complete their major in lieu of the electives provided in the elementary curriculum.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music 5 ab</td>
<td>6</td>
</tr>
<tr>
<td>Music 55 ab</td>
<td>4</td>
</tr>
<tr>
<td>*Music 163 ab</td>
<td>4</td>
</tr>
<tr>
<td>*Music 165 ab</td>
<td>2</td>
</tr>
<tr>
<td>Music Education 93 b</td>
<td>2</td>
</tr>
<tr>
<td>Applied Music</td>
<td>6</td>
</tr>
<tr>
<td>Ensemble Music</td>
<td>2</td>
</tr>
</tbody>
</table>

Curriculum for students preparing to teach music in the secondary schools:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music 5 ab</td>
<td>6</td>
</tr>
<tr>
<td>Music 56 ab</td>
<td>6</td>
</tr>
<tr>
<td>Music 55 ab</td>
<td>4</td>
</tr>
<tr>
<td>Music 157 ab</td>
<td>4</td>
</tr>
<tr>
<td>*Music 163 ab</td>
<td>4</td>
</tr>
<tr>
<td>*Music 165 ab</td>
<td>2</td>
</tr>
<tr>
<td>Music 153 ab</td>
<td>4</td>
</tr>
<tr>
<td>Music Education 93 b, 155 f</td>
<td>5</td>
</tr>
<tr>
<td>Ensemble Music</td>
<td>4</td>
</tr>
<tr>
<td>Applied Music</td>
<td>8</td>
</tr>
<tr>
<td>Dramatic Art 90 a</td>
<td>3</td>
</tr>
</tbody>
</table>

The following music courses will satisfy the requirements for a minor study in Music Education. Students who minor in Music Education must pass a satisfactory examination in piano and voice, or take one hour each in voice and piano class instruction.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music 5 ab</td>
<td>6</td>
</tr>
<tr>
<td>Music 56 ab</td>
<td>4</td>
</tr>
<tr>
<td>*Music 163 ab</td>
<td>4</td>
</tr>
<tr>
<td>*Music 165 ab</td>
<td>2</td>
</tr>
<tr>
<td>Music Education 93 b or 155 f</td>
<td>2-3</td>
</tr>
<tr>
<td>Ensemble Music</td>
<td>2</td>
</tr>
</tbody>
</table>

Curriculum for Administrators and Supervisors.—(Leading to the degree of Bachelor of Science in Education). Twenty-four semester hours of work in courses numbered above 50 are necessary for a major. The following courses are acceptable toward meeting the requirements for a major study in administration and supervision. Candidates must also complete a minor in some field other than education.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>History of Education</td>
<td>3</td>
</tr>
<tr>
<td>Mental Measurements</td>
<td>3</td>
</tr>
<tr>
<td>Educational Tests and Statistics</td>
<td>3</td>
</tr>
<tr>
<td>City School Administration</td>
<td>3</td>
</tr>
<tr>
<td>Problems of Education in N. M.</td>
<td>2</td>
</tr>
<tr>
<td>Supervision of Elementary Education</td>
<td>2</td>
</tr>
<tr>
<td>Education and Vocational Guidance</td>
<td>3</td>
</tr>
</tbody>
</table>

Curriculum for Students Preparing to Teach Art in the Elementary Schools.—Students preparing to teach Art in the elementary schools should follow the elementary curriculum as outlined on page

* Music 163 ab and 165 ab are to be taken concurrently.
109, but should take the required number of hours and courses to complete their major in lieu of the electives provided in the elementary curriculum.

Curriculum for Art Supervisors, Junior and Senior High School Teachers.—(Leading to the degree of Bachelor of Arts in Education.) Arranged for supervisors and teachers of Art Education.

**Freshman Courses**

<table>
<thead>
<tr>
<th>First Half</th>
<th>Second Half</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 1 a</td>
<td>English 1 b</td>
</tr>
<tr>
<td>Math or Science</td>
<td>Math or Science</td>
</tr>
<tr>
<td>Social Science</td>
<td>Social Science</td>
</tr>
<tr>
<td>Art 1 a</td>
<td>Art 1 b</td>
</tr>
<tr>
<td>Physical Education</td>
<td>Physical Education</td>
</tr>
<tr>
<td>or Dramatic Art 3 a</td>
<td>or Dramatic Art 3 b</td>
</tr>
<tr>
<td>Elective</td>
<td>Elective</td>
</tr>
</tbody>
</table>

**Sophomore Courses**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>English</td>
</tr>
<tr>
<td>Psychology 51 L</td>
<td>Education 54 (Psych.)</td>
</tr>
<tr>
<td>Social Studies</td>
<td>Art 45 b or 51 b</td>
</tr>
<tr>
<td>Art 45 a or 51 a</td>
<td>Education 117</td>
</tr>
<tr>
<td>Education 91</td>
<td>Art 25</td>
</tr>
<tr>
<td>Physical Education</td>
<td>Physical Education</td>
</tr>
<tr>
<td>or Dramatic Art 92</td>
<td>Dramatic Art 92</td>
</tr>
</tbody>
</table>

**Junior Courses**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Education 101</td>
<td>Education 153</td>
</tr>
<tr>
<td>Education 107</td>
<td>Education 52 b</td>
</tr>
<tr>
<td>Education 141</td>
<td>Art 53 b</td>
</tr>
<tr>
<td>Art 52 a</td>
<td>Art 75 b or 133 b</td>
</tr>
<tr>
<td>Art 63 a</td>
<td>Electives (Art)</td>
</tr>
<tr>
<td>Art 75 a or 133 a</td>
<td>4-6</td>
</tr>
</tbody>
</table>

**Senior Courses**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Education 155 a</td>
<td>Education 156</td>
</tr>
<tr>
<td>Education 128</td>
<td>Electives</td>
</tr>
<tr>
<td>Electives (Art)</td>
<td>10-12</td>
</tr>
</tbody>
</table>

Curriculum for Students Preparing to Teach Commercial Work.— (Leading to the degree of Bachelor of Science in Education.)

**Freshman Courses**

<table>
<thead>
<tr>
<th>First Half</th>
<th>Second Half</th>
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</thead>
<tbody>
<tr>
<td>English 1 a</td>
<td>English 1 b</td>
</tr>
<tr>
<td>Math or Science</td>
<td>Math or Science</td>
</tr>
<tr>
<td>Social Studies</td>
<td>Social Studies</td>
</tr>
<tr>
<td>Physical Education</td>
<td>Physical Education</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>Math 1</td>
</tr>
<tr>
<td>Business Administration 11 a</td>
<td>Foreign Language</td>
</tr>
<tr>
<td>Elective</td>
<td>Business Administration 11 b</td>
</tr>
</tbody>
</table>

**Sophomore Courses**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>English 64 a or B.A. 65</td>
<td>English 64 b or B.A. 65</td>
</tr>
<tr>
<td>Psychology 61 L</td>
<td>Education 54 (Psych.)</td>
</tr>
<tr>
<td>Social Studies</td>
<td>Physical Education</td>
</tr>
<tr>
<td>Physical Education</td>
<td>Business Administration 51 b</td>
</tr>
<tr>
<td>Business Administration 51 a</td>
<td>Business Administration 12 b</td>
</tr>
<tr>
<td>Business Administration 12 a</td>
<td>Foreign Language</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>Elective</td>
</tr>
</tbody>
</table>

**Junior Courses**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Business Administration 52 a</td>
<td>Business Administration 52 b</td>
</tr>
<tr>
<td>Education 101</td>
<td>Education 102</td>
</tr>
<tr>
<td>Education 141</td>
<td>Education 143</td>
</tr>
<tr>
<td>Education 107</td>
<td>Business Administration 58 bL</td>
</tr>
<tr>
<td>Business Administration 53 aL</td>
<td>Minor and Electives</td>
</tr>
<tr>
<td>Minor and Electives</td>
<td>2-3</td>
</tr>
</tbody>
</table>
### Senior Courses

- Teachers' Course (Educ. 155 g)  
- Business Administration 107 a
- Minor and Electives  

### Curriculum for Students Preparing to Teach Industrial Arts.

(Leading to the degree of Bachelor of Science in Industrial Arts Education)

<table>
<thead>
<tr>
<th></th>
<th>First Half</th>
<th>Second Half</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 1 a</td>
<td>3 English 1 b</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics, Algebra</td>
<td>3 Mathematics, Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>Engineering 1 aL</td>
<td>2 Engineering 1 bL</td>
<td>2</td>
</tr>
<tr>
<td>Shop 10 L</td>
<td>2 Shop 20 L</td>
<td>2</td>
</tr>
<tr>
<td>Chemistry 1 aL</td>
<td>4 Chemistry 1 bL</td>
<td>4</td>
</tr>
<tr>
<td>Elective</td>
<td>2 Elective</td>
<td>2</td>
</tr>
<tr>
<td>P. E.</td>
<td>1 P. E.</td>
<td>1</td>
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</tbody>
</table>

### Freshman Courses

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<thead>
<tr>
<th></th>
<th>First Half</th>
<th>Second Half</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 64 a</td>
<td>3 English 64 b</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics, Elective</td>
<td>3 Psychology 54</td>
<td>3</td>
</tr>
<tr>
<td>Psychology 51 L</td>
<td>3 Shop 60 L</td>
<td>3</td>
</tr>
<tr>
<td>Physics 1 aL</td>
<td>4 Shop 70 L</td>
<td>2</td>
</tr>
<tr>
<td>Shop 64 L</td>
<td>2 Physics 1 bL</td>
<td>4</td>
</tr>
<tr>
<td>P. E.</td>
<td>1 P. E.</td>
<td>1</td>
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</tbody>
</table>

### Sophomore Courses

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<thead>
<tr>
<th></th>
<th>First Half</th>
<th>Second Half</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education 141</td>
<td>3 Education 153</td>
<td>3</td>
</tr>
<tr>
<td>Engineering 55 L</td>
<td>3 M. E. 56 L</td>
<td>3</td>
</tr>
<tr>
<td>Shop 105 L</td>
<td>3 Shop 104 L</td>
<td>3</td>
</tr>
<tr>
<td>E. E. 109 aL</td>
<td>3 E. E. 109 bL</td>
<td>3</td>
</tr>
<tr>
<td>Economics 105</td>
<td>3 Elective: Social Science—History 51 ab, Sociology 115, Education 105 a or b</td>
<td>3</td>
</tr>
<tr>
<td>Education 107</td>
<td>2</td>
<td>1</td>
</tr>
</tbody>
</table>

### Junior Courses

<table>
<thead>
<tr>
<th></th>
<th>First Half</th>
<th>Second Half</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education 115</td>
<td>3 Education 156</td>
<td>5</td>
</tr>
<tr>
<td>Shop 107 L</td>
<td>3 Shop 109 L</td>
<td>3</td>
</tr>
<tr>
<td>Elective: Technical</td>
<td>6 Elective: Technical</td>
<td>3</td>
</tr>
<tr>
<td>Elective: General</td>
<td>3 Elective: Social Science—History 51 ab, Sociology 115, Education 105 a or b</td>
<td>3</td>
</tr>
</tbody>
</table>

### Senior Courses

<table>
<thead>
<tr>
<th></th>
<th>First Half</th>
<th>Second Half</th>
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</thead>
<tbody>
<tr>
<td>Education 115</td>
<td>3 Education 156</td>
<td>5</td>
</tr>
<tr>
<td>Shop 107 L</td>
<td>3 Shop 109 L</td>
<td>3</td>
</tr>
<tr>
<td>Elective: Technical</td>
<td>6 Elective: Technical</td>
<td>3</td>
</tr>
<tr>
<td>Elective: General</td>
<td>3 Elective: Social Science—History 51 ab, Sociology 115, Education 105 a or b</td>
<td>3</td>
</tr>
</tbody>
</table>

### COLLEGE OF EDUCATION

#### Departments of Instruction

**Course Numbering:** from 1-50, lower division, normally open to freshmen; from 51-100, lower division, normally open to sophomores; from 101-200, upper division, normally open to juniors, seniors, and graduates; 201-300, open to graduates only. Graduate credit for courses listed is allowed at the discretion of the Graduate Committee.

#### Symbols used in course descriptions:

- ab or cd—course offered throughout two semesters
- L—part of the course is laboratory work
- F—course is given during field session
- N—Navy Number
- SS—Course offered in eight weeks’ summer session only
- Yr—course offered throughout two semesters and credit for a single semester’s work is suspended until the entire course is completed
- *—course open to General College students
COLLEGE OF EDUCATION

†—course offered for General College credit only
( )—credit value for each course for each semester
[ ]—former course number or title

A schedule of course offerings, including hours of meeting, is issued at the opening of each session.

Because of war conditions, the University reserves the right to cancel any listed course or to make a substitution in instructors if necessary.

DEPARTMENTS OF EDUCATION

Professors Nanninga (Dean), Diefendorf, Haught, Tireman, Fixley, Clauve, Reid; Associate Professors DuBois, Moyers, White; Instructor Israel.

MISCELLANEOUS AND GENERAL COURSES IN EDUCATION:

Primarily for Freshmen and Sophomores

72. Health Education. (2) Health instruction in elementary schools. Mr. White.

85. Social Arts. (2) SS. Standards of social behavior.

For Juniors, Seniors, and Graduates

101. History of Education in Europe. (3) Mr. Moyers.

102. History and Philosophy of American Education. (3) Mr. Moyers.

105 ab. Adult Education. (3-3) Origin, development, philosophy, objectives, methods, and materials.

107. Problems of Education in New Mexico. (2) New Mexico school system. Mr. Nanninga.


112. Current Educational Problems. (2) Staff.

115. Educational and Vocational Guidance. (3) Principles and methods. Mr. Fixley.

116. Professional Adjuncts. (1) Attention to personality traits, the interview and written application, effective speech, personal budget, community relationships. For juniors and seniors only. Mr. Fixley.

151. Problems. (1-3) Staff.

For Graduates Only

251 ab. Problems. (1-3 each semester) Staff.

300. Thesis. (3-6) Staff.

DEPARTMENT OF ELEMENTARY EDUCATION

42. Classroom Organization and Management. (3) SS. Mr. Reid.

52. Teaching English to Non-English-Speaking Children. (2) SS. For pre-first and first grade teachers.

61. Teaching Reading in the Primary Grades. (3) SS. Methods and materials in pre-first to the fourth grades. Mr. Tireman.

62. Teaching of Language, Social Studies, and Arithmetic. (3) SS. Materials and methods in grades one to four. Mr. Tireman.


91. The Teaching of Art in Elementary School. (2). Lab. arranged.

1. On leave of absence for the duration.
93 ab. [Music Fundamentals] Music Education. (2-2) a: Music fundamentals for elementary teachers; b: Methods and materials for elementary grades.

For Juniors, Seniors, and Graduates

117. Teaching Artcrafts in the Schools. (3) Industrial needs of the child; art concerned with food, clothing, shelter, records, utensils, tools, and machines. Crafts are demonstrated and executed; problems in clay, weaving, textiles, papier mache, toy-making, booklet making, and expression through miscellaneous crafts materials.

120. Children's Literature. (2) Materials and techniques of teaching. Mr. Tireman.

121. Methods of Teaching Pre-First and Primary Reading. (3) Staff.

122. Methods of Teaching English and Social Studies. (3) Supervision of reading, language, and spelling. If Education 61 has been taken, consult instructor before enrolling in this course. Mr. Tireman.

123. Methods of Teaching Reading in the Intermediate Grades. (3) Supervision of reading in the fourth, fifth, and sixth grades. Diagnosis and remedial work. Prerequisite: Education 61 or 122. Mr. Tireman.

124. Methods of Teaching Elementary Science. (3) Mr. Tireman.

128. The Curriculum in Art Education. (3) Curriculum building, development of significant units for teaching art, analysis and evaluation of courses of study, and examination of available tests in the arts.

129. Social Studies Curriculum Workshop. (1-5) Curriculum units in the social studies field. The student must spend in the work-shop two hours per week for one semester, per hour of credit earned. Enrollment is limited to those who have over 60 hours and are teaching or have had teaching experience. Mr. Moyers.

131. Music Education. (3) Kindergarten and grades. Miss Clauve.

135. [Supervision of Arithmetic] Methods of Teaching Arithmetic. (2) (Offered in alternate years.) Mr. Moyers.

136. Practice Teaching in Elementary Grades. (5) Prerequisite: an observation course, Education 121, 122, and 123. 90 clock hours minimum of practice teaching. Mr. Tireman.

For Graduates Only

221. Investigations in Primary Language Arts. (3) Staff.

222. Investigations in Intermediate Language Arts. (3) Staff.

232. Investigations in Social Studies. (3) Staff.

233. Philosophy of the Activity Program. (3) Staff.

235. Investigations in Arithmetic. (3) Mr. Moyers.

237. The Elementary School Curriculum. (3) Staff.

238. Supervision of the Elementary School. (3) Staff.

251 ab. Problems. (1-3 each semester) Staff.

252. Bilingual Education. (2) Mr. Tireman.

274. Study of Education Classics. (3) Staff.

300. Thesis. (3-6) Staff.

DEPARTMENT OF SECONDARY EDUCATION

For Juniors, Seniors, and Graduates

141. Principles of Secondary Education. (3) Mr. Diefendorf.

144. The Junior High School. (2) History of the junior high school movement and some of the problems arising from its organization and administration. Mr. Diefendorf.

147. Extra-Curricular Activities in the Secondary School. (3) The guiding principles of pupil participation in the extra-curricular life of the junior and senior high school. Mr. Fixley.

153. High School Methods. (3) Prerequisite: Psychology 54. Mr. Diefendorf.
The Teaching of High School Subjects. All specific methods courses are listed under the general number, Education 155, with the designating subscripts as indicated. These courses carry credit in education only, not in the subject matter departments. Required of students following secondary curricula. Prerequisite: Education 153.

a. The Teaching of Art in High School. (3).
b. The Teaching of Biology in High School. (3).
c. The Teaching of English in High School. (3) Prerequisite: English 1 ab. Miss Keleher.
d. The Teaching of Home Economics in High School. (3).
e. The Teaching of Mathematics in High School. (3).
f. The Teaching of Music in High School. (3).
g. The Teaching of Commercial Subjects in High School. (3).
h. The Teaching of Sciences in High School. (3).
i. The Teaching of Social Studies in High School. (3).
j. The Teaching of Spanish in High School. (2) (Offered in alternate years).
k. The Teaching of Reading in the Junior High School. (2).

Practice Teaching in High School. (5) Observation and teaching in Albuquerque High Schools. Prerequisite: Education 153. 1 hr. lecture, 5 hrs. practice teaching a week. Mr. Diefendorf.

High School Supervision. (3) (Offered in alternate years.) Mr. Moyers.

Directed Study. (3) Theory and practice of directing pupil study: Mr. Diefendorf.

For Graduates Only

Seminar in Secondary Education. (2) Mr. Diefendorf.
High School Curriculum. (3) Trends and practical programs. Mr. Diefendorf.
Problems. (1-3 each semester) Staff.
Health Education Methods for Secondary Schools. SS.
Diagnosis in Physical and Health Education. SS.
Administration of Health Education. SS.
Thesis. (3-6) Staff.

Department of Educational Administration

For Juniors, Seniors, and Graduates

City School Administration. (3) Required of all administrative majors. Educational, financial, and administrative principles. Mr. Fixley.

The Principal and His School. (3) Organization, administration, and supervision of a single school. Mr. Fixley.

Problems of the Teaching Profession. (3) The principles of educational administration and organization as applied to the duties and responsibilities of the classroom teacher. Mr. Nanninga.

For Graduates Only

Research Methods in Education. (2-2) Required of all candidates for a graduate degree in education: Mr. Fixley.
Seminar in Educational Administration. (2) Advanced reading and problems in educational administration. Mr. Fixley.
Problems. (1-3 each term) Arranged. Staff.
School Law. (3) Legislation and court decisions, with special reference to New Mexico school law. Mr. Fixley.
State School Administration. (3) State school systems. Federal and state policy, and forms of control. Mr. Nanninga.
Public School Finance. (3) Special attention to New Mexico. Mr. Fixley.
277. School Buildings and Equipment. (3) Problems, standards, committee reports, field trips. Mr. Fixley.
300. Thesis. (3-6) Arranged. Staff.

DEPARTMENT OF EDUCATIONAL PSYCHOLOGY

*54. Educational Psychology. (3) Introductory course. Limited to sophomores. Prerequisite: Psychology 1 aL or 51 L. Miss Sterrett.

For Juniors, Seniors, and Graduates

181. Educational Tests and Statistics. (3) Prerequisite: Psychology 1 aL or 51 L. Mr. Haught.
183. Educational Psychology. (3) Advanced course. Prerequisite: Psychology 1 aL or 51 L. Mr. Haught.
185. Mental Measurements. (3) Prerequisite: Psychology 1 aL or 51 L. Mr. Haught.
186. Psychology of Exceptional Children. (3) Intellectual and emotional deviations, with emphasis on the psychology of social and educational guidance. Prerequisite: Psychology 1 aL or 51 L. Mr. DuBois.
188. Classroom Tests. (2) Construction, evaluation, and uses of objective tests. Arranged. Mr. Haught or Mr. DuBois.
190 L. Clinical Psychology. (3) Clinical practice in the administration of psychological tests; round table discussions of problem cases. Prerequisites: Psychology 1 aL or 51 L, and 185. Seniors or graduates may take 186 at the same time as 190 L. 1 hr. lecture, 4 hrs. lab. Miss Sterrett.

For Graduates Only

251. Problems. (2-3) Staff.
300. Thesis. (4-6) Staff.

DEPARTMENT OF HOME ECONOMICS

Professor Simpson (Head); Assistant Professors Moser, Schroeder; Miss Campbell, Supervisor of Dining Hall.

Group Requirements.—Home Economics 53 aL and 53 bL count toward Science and Mathematics (Group IV).

Major Study.—See curriculum under “College of Education.” For requirements for a major in the College of Arts and Sciences, consult the registrar or the dean of the college.

Minor Study.—Home Economics 1, 2 L, and 12 hours in courses numbered above 50, or 20 hours specified by the head of the Department of Home Economics.

The College of Education curriculum for students preparing to teach Home Economics is approved by the State Department of Vocational Education for the training of teachers of homemaking who desire to teach in the federally-aided (Smith-Hughes) schools of the state.

Primarily for Freshmen and Sophomores

*2 L. Homemaking. (4) Food preparation and elementary nutrition; child development; personal problems. 1 hr. lecture, 4 hrs. lab. Mrs. Simpson, Miss Schroeder.
53 abL. Food for the Family Group. (3-3) Selection, preparation, and service of family meals. 1 hr. lecture, 4 hrs. lab. Staff.

63 abL. Dressmaking. (3-3) a: Pattern study; construction of clothing emphasizing fitting and techniques of finishing. Open to elective. b: Adaptation of patterns; problems in designing. Prerequisites: Home Economics 1 or permission of instructor. 1 hr. lecture, 4 hrs. lab. Miss Moser.

For Juniors and Seniors

104. Nutrition. (2) Primarily for physical education majors. The relation of nutrition to the health program; normal nutrition.

107 L. Advanced Foods. (3) Food economics. Household marketing; food laws; history of cookery. Prerequisites: Home Economics 53 abL and Chemistry 40 abL. 1 hr. lecture, 4 hrs. lab. Mrs. Simpson.


127 L. Nutrition and Dietetics. (4) Prerequisite: Home Economics 107 L. 3 hrs. lecture, 2 hrs. lab. Mrs. Simpson.

128. Family Relationships. (3) (Offered in alternate years.) Miss Schroeder.

132. Household Management. (3) Miss Schroeder.

133 L. Home Management House. (3) Six weeks’ residence required. Prerequisite: Home Economics 132. Miss Schroeder.

138 L. Child Care and Development. (4) Observation and assistance in the nursery school. 3 hrs. lecture, 2 hrs. lab. Miss Schroeder.

140 L. Nursery School Methods and Administration. (3) Observation and practical experience in guidance of children in nursery school, including an investigation of play materials, literature, music, equipment, records, housing, and budget. 1 hr. lecture, 4 hrs. lab.

196. Home Economics Seminar. (1-2) Staff.

The following courses are primarily for students who wish to become dietitians.

150 L. Large Quantity Cookery. (3) Standard methods of food production in quantity; cost accounting; standardization of formulas; menu planning and table service. Prerequisites: Home Economics 107 L, 127 L. 1 hr. lecture, 4 hrs. lab. Miss Campbell.


159. Institution Management. (3) Principles of scientific management applied to institutional administration. Experience in the food service and housing facilities on the campus. Prerequisites: Home Economics 107 L, 132, 157 L. Miss Campbell.

DIVISION OF PHYSICAL EDUCATION, HEALTH, AND RECREATION

Associate Professor White (Head); University Physician W. A. Gekler; A. E. Kelley, R.N.
DEPARTMENT OF PHYSICAL EDUCATION

Physical Education for Men—Professors Johnson¹ (Head), Shipkey¹; Associate Professors White, Gekler, Henry; Instructors Zielasko,¹ Barnes, Petrol, Dooley.

V-12—K. G. Scott, Ensign (Head), Grim, Wilson, Nolan.

Physical Education for Women.—Assistant Professor Gleaves (Head); Instructors Causey, Taylor.

All regularly enrolled undergraduate male students under thirty years of age are required to take physical education activity courses for the duration of the war. Not more than one hour may be earned in a semester except by physical education majors and minors. Not more than four semester hours of required physical education may count toward a degree. Men may substitute participation in major sports for required physical education for that part of the semester during which they are actively engaged in a sport, provided they are enrolled in the section designated by the department head. Physical education majors and minors should not substitute their participation in sports for the required physical education classes.

The instructor in each course should be consulted concerning proper clothing or uniform. Regulation blue uniforms are required for women; regulation grey uniforms are required for men.

There is a special fee of $3.00 per semester for Golf and a fee of $12.50 per semester for Equitation.

Major Study.—A major in physical education is offered in the College of Education only. Students are required to complete all courses listed in the curriculum. Men must participate in at least one major sport.

Minor Study.—A minor in physical education is offered in the College of Education only. Men students are required to complete all courses listed in one of the curricula and to participate in a major or minor sport. Women students are required to complete twelve hours not including required physical education courses.

*Activity Courses for Men and Women. (1-1) NOTE. For one hour of credit, civilian students take 3 class hours a week, Navy students 4 to 5 class hours a week.

Sections 1 through 7. Men. All courses for men will consist of exercises and sports designed to get the participants into the best possible physical condition. Staff.

5. Women. Tennis, Gymnastics, Badminton. Staff.

¹. On leave of absence for the duration.

Academic Courses for Physical Education Majors and Minors

*22 L. Men. Theory and Practice of Basketball. (2) 2 hrs. lecture, 2 hrs. lab. Mr. Barnes.
*40 L. Men. Gymnastic Technique and Practice. (2) Fundamental techniques of gymnastics and athletic activities, field ball, games and aquatics, apparatus, gymnastics, tumbling. 2 hrs. lecture, 2 hrs. lab. Mr. Petrol.
*41 L. Men. Sports Technique and Practice. (2) Fundamental techniques of additional gymnastics and athletic activities, diamond and court ball games and individual sports, boxing, gymnastic drills, games. Prerequisite: P. E. 40 L. 2 hrs. lecture, 2 hrs. lab. Mr. Petrol.
42. Women. Fundamentals of Physical Education. (2) Required course for freshmen major students. Mrs. Gleaves.
*61 L. Men. Theory and Practice of Football. (2) 2 hrs. lecture, 2 hrs. lab. Mr. Barnes.
*62 L. Men. Theory and Practice of Track and Field Athletics and of Baseball. (2) 2 hrs. lecture, 2 hrs. lab. Mr. White.
65. Women. Sports Technique and Practice. (2) Baseball, basketball, speedball, tennis. Discussion of game techniques, rules, equipment, officiating. Prerequisite: Activity course in each sport. 1 hr. lecture, 3 hrs. lab. Miss Taylor.
72. Health Education. (2) (Same as Education 72.)
102 L. Men. Theory and Practice of Combative Sports: Boxing, Wrestling, Fencing, etc. (2) 2 hrs. lecture, 2 hrs. lab. Mr. Barnes.
104. Nutrition. (2) (Same as Home Economics 104.)
104 L. Human Anatomy and Kinesiology. (4) Prerequisites: Biology 1 aL and 36. (Offered in alternate years.) 3 hrs. lecture, 2 hrs. lab. Dr. Gekler.
107. Teaching Methods in Folk Dancing. (2) Prerequisite: Activity course in folk dancing. 1 hr. lecture, 3 hrs. lab. Mrs. Gleaves.
123. Women. Organization of Plays and Games by Ages. (2) (An elective course for men.) 1 hr. lecture, 3 hrs. lab. Miss Taylor.
135 L. Corrective Physical Education. (2) Abnormalities of spine, feet, and posture. Prerequisites: Physical Education 104 L and 167. Dr. Gekler.
136. Men. Theory of Coaching, Strategy, and Tactics. (2) Prere-
155. Women. Sports Technique and Practice. (2) Swimming, archery, recreational games. Prerequisite: Activity course in each sport. 1 hr. lecture, 3 hrs. lab. Miss Taylor.
156. Women. Dance Theory. (2) History and principles of dance form. Methods of directing various types of dancing in an educational program. 1 hr. lecture, 3 hrs. lab. Mrs. Gleaves.
161. First Aid. (2) Emergency treatment for shock and injuries. Dr. Gekler.
162 L. Men. Theory and Practice of Intramural Athletics and Community Recreation. (3) 2 hrs. lecture, 2 hrs. lab. Mr. Petrol.
167. Physical Diagnosis and Tests and Measurements. (3) Technique of determining physical fitness for participation in athletics. Dr. Gekler.
172. Organization and Administration of Physical Education. (3) Mrs. Gleaves.
183 abL. Men. Practice Coaching. (2-2) 2 hrs. lecture, 2 hrs. lab. Mr. White and staff.
185. Administration of a Health Program. (2) Personal and community hygiene. Mrs. Gleaves.
186. Men. Problem Methods in Physical Education. (2) Mr. White and staff.
COLLEGE OF ENGINEERING

The duties of the engineer are so varied and far-reaching that no single definition adequately portrays his services to the human race. He should, however, be able to apply the laws of nature to the benefit of mankind, to manage and to control technical works and industries, and to apply his scientific training and experience to the political and social problems of his day. Such a variety of work requires men of good character who are well grounded in the fundamentals of the profession of engineering.

It is the purpose of the College of Engineering to train the student in the elements of his branch of engineering, and to develop honesty, loyalty, industry, and thoroughness, so that he may enter the profession of his choice with profit to mankind as well as to himself.

Admission

A detailed statement of entrance requirements will be found under "Admission and Expenses." Students entering with less than three units in mathematics will be required to take Mathematics A in addition to the required courses listed in the curricula.

Scholastic Regulations

Students in the College of Engineering will be governed by the scholastic regulations given under "General Academic Regulations."

Courses of Study

The College of Engineering offers four-year programs of study leading respectively to the degrees of Bachelor of Science in Civil Engineering, Bachelor of Science in Electrical Engineering, Bachelor of Science in Mechanical Engineering, Bachelor of Science in Mechanical Engineering-Aeronautical Option, Bachelor of Science in Mechanical Engineering-Petroleum Option, Bachelor of Science in Chemical Engineering, and Bachelor of Science in Industrial Arts. It is also possible to arrange a program of study so that the Bachelor of Arts degree can be obtained in one additional year.

Aeronautical Engineering.—The work in aeronautical engineering is offered as an option in the Department of Mechanical Engineering; however, a complete four-year program of study is offered in this field.

Flight Training.—Students interested in obtaining a pilot's license can arrange for the required ground school courses at the University, and the required flight training from the Cutter-Carr Flying Service. A description of the required courses will be found on page 180.

Laboratories and Equipment

Drawing and Design Laboratories.—Three well-equipped rooms in Hadley Hall are provided for all of the drafting room work offered.

Civil Engineering Laboratories.—The department provides for laboratories for: road material, building material, and hydraulics, and surveying equipment to be used in all types of elementary and advanced field courses.
The materials testing laboratory is equipped for making tests of cement, concrete, stone, brick, tile, timber, steel, soils, and other material used in engineering practice. Tests are conducted by students to illustrate the properties of these materials. The laboratory is also used for research problems and, to a limited extent, for commercial testing. All equipment and all tests conform to accepted standards of engineering practice.

The hydraulics laboratory is equipped to study the flow of water in open channels, through pipes and orifices, and over weirs, illustrating the principles of hydraulics as used in the theoretical courses and in courses in water supply, sewerage, and drainage.

The highway testing laboratory contains a complete set of equipment for making standard tests on road oils and asphalts, and also machines for testing of gravels used in highway construction.

Field work and office computation in surveying are conducted with modern equipment of the highest grade.

The Materials Laboratories of the New Mexico State Highway Department have been built in space adjoining the Civil Engineering laboratories and contain modern equipment adequate for making all types of tests of road building materials. These laboratories are open for inspection by engineering students and for research work by members of the faculty.

Electrical Engineering Laboratories.—The Electrical Engineering Department has four laboratories and a design room all of which are well equipped to illustrate the practical applications of the theory studied in the classroom.

Power Laboratory.—The power laboratory is equipped with all the common types of both D.C. and A.C. motors and generators and the necessary manual and automatic starters and controllers for their operation, and special machines such as a rotary converter, adjustable speed A.C. motor, sine-wave and harmonic generators, a Ward-Leonard M-G set, a variable phase, variable frequency alternator, and a mercury arc rectifier. Operating and loading devices are available so that all the standard and some special tests on both A.C. and D.C. motors and generators can be made.

The transformer section includes a number of standard transformers of various capacities and voltage ratings, and such special testing transformer, autotransformers, voltage regulators, etc.

The power for all laboratories is supplied at 2300 volts and then stepped down to 115 and 230 volts. Special transformers supply 440 volt service to the distribution panel. Direct current is supplied by two motor generator sets.

Measurements Laboratory.—The measurements laboratory is equipped to make accurate measurements in D.C. and A.C. power, and radio frequencies up to 5000 megacycles. Equipment includes galvanometers, all types of indicating instruments, Wheatstone bridge, Radio frequency bridge, Standard Signal Generators, Wavemeters, Square wave generator, Oscilloscopes, String oscillographs, Insulation tester, rotating standard, watthour meters, instrument transformers, relays, graphic recording wattmeter, frequency indicators, power-factor indicator, and many other measuring devices.
Communications Laboratory.—The radio-communications laboratory is particularly well equipped to study the complex problems presented by modern communications circuits. The Pre-radar and ultra-high frequency section of the laboratory consists of standing wave ratio measuring section, wave guides, ultra-high frequency wave meter, tubes, klystron, megotrons (light-house tubes), parabolic, horn type radiators, and measuring accessories.

The department has a high frequency transmitter (temporarily dismantled in accordance with War Emergency Regulations), and R.C.A. dynamic demonstrator, radio frequency oscillators, bridges, meters and other accessories. Two 150 foot steel towers provide excellent facilities for the study of antennae and radiating problems.

Industrial Electronics Laboratory.—The new Industrial Electronics Laboratory is complete with a 25 Kw. Igniter Converter, Thyratron motor control, motor speed regulator, A.C. and D.C. voltage regulators, electronic air cleaner, automatic synchronizer, electronic timers of various types, photoelectric controllers, 150 Kv. industrial X-ray, induction heating and dielectric heating furnace, welders and electronic welding controls, supplemented by a miscellany of high vacuum and gas tubes and testing equipment.

Mechanical Engineering Laboratory.—This laboratory is maintained in connection with the University heating plant. The students study and observe a modern boiler plant in actual operation. Equipment is provided for experimental work in the fields of heat power, of air and gas flow, and of refrigeration.

In the field of heat power, the laboratory has the following major equipment in addition to auxiliary equipment and necessary instruments:

- A steam engine equipped with a Prony brake, two types of valves, two types of governors, and steam engine indicator.
- A steam turbine equipped with an oil relay governor and a water brake. This unit is also connected to a direct current generator for loading.
- A small vertical fire-tube boiler equipped for gas firing.
- Two 300-h.p. water-tube boilers fired with gas and equipped with forced-draft fan, induced-draft fan, and automatic combustion control.
- An electric dynamometer with a Ford V-8 engine, a Dodge engine, and Waukesha Multifuel engine.
- A gasoline engine with a variable compression ratio for fuel research. A small stationary gasoline engine equipped with electric dynamometer.
- Calorimeters for determining the heat value of solid, liquid, and gas fuels.

In the field of air and gas flow, the laboratory is equipped with a steam-driven, two-stage air compressor, an air-flow test set, and recording and indicating meters for measuring the flow of air, steam, and natural gas.

In the field of refrigeration, the laboratory is equipped with a complete test plant including an ammonia compressor, receivers, coolers, heat exchangers, etc.
Shop.—The machine shop is equipped with lathes, shapers, drill presses, vertical and horizontal milling machines, surface and universal grinders for working metal. The sheet metal shop has a very good assortment of tools and equipment. The woodworking equipment includes band, circular, and jig saws, jointer, lathe, hand tools and benches for pattern making and cabinet work.

The welding shop contains A.C. and D.C. arc welding, gas welding and cutting equipment.

Aeronautical Engineering Laboratory.—This laboratory is equipped to provide for experimental work in aerodynamics, airplane structures, and aircraft engines. The equipment approved for this laboratory includes aircraft engines, both air cooled and water cooled, wing sections, fuselage sections, air navigation instruments, radio communication equipment, and a wind tunnel to study fluid phenomena.

Petroleum Engineering Laboratory.—The laboratory for this department is housed in the heating plant with the mechanical engineering laboratory. Equipment is available for the study of oil and gas flow, fuel analysis, and lubrication as well as tests on the various types of heat engines and pumps.

Requirements for Graduation

Candidates for the degree of Bachelor of Science in any of the departments must complete all of the work outlined in their respective curricula. Electives, where permitted, are to be chosen with the advice and consent of the head of the major department. The course of study for the first year is uniform for all departments. At the end of the freshman year, the student should elect the course which he intends to follow and report his choice to the dean's office.

Students who are required to take English A must do so in addition to the regular courses in English. Two thirds of the semester hours in the required work must be of C grade or better, and the total number of grade points in the hours offered for graduation must equal the total number of hours.

Curricula Offered by the College of Engineering
Courses of Study For All Engineering Students

<table>
<thead>
<tr>
<th>Freshman Courses</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Half</strong></td>
<td></td>
</tr>
<tr>
<td>Math 18 a Math for Engineers</td>
<td>5</td>
</tr>
<tr>
<td>Engl 1 a Composition</td>
<td>3</td>
</tr>
<tr>
<td>Physics 1 a L General</td>
<td>4</td>
</tr>
<tr>
<td>Engr 1 a L Draw &amp; Desc Geom</td>
<td>2</td>
</tr>
<tr>
<td>Engr 2 a Introduction to Engr</td>
<td>1</td>
</tr>
<tr>
<td>Shop 10 Woodshop</td>
<td>2</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>Shop 20 Machine Shop</td>
<td>2</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>C. E. 1 L Elem Surveying</td>
<td>2</td>
</tr>
<tr>
<td>Physical Educ</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>18</td>
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<tr>
<td><strong>Second Half</strong></td>
<td></td>
</tr>
<tr>
<td>Math 18 b Math for Engineers</td>
<td>5</td>
</tr>
<tr>
<td>Engl 1 b Composition</td>
<td>3</td>
</tr>
<tr>
<td>Physics 1 b L General</td>
<td>4</td>
</tr>
<tr>
<td>Engr 1 b L Draw &amp; Desc Geom</td>
<td>2</td>
</tr>
<tr>
<td>Engr 2 b Introduction to Engr</td>
<td>1</td>
</tr>
<tr>
<td>Shop 10 Woodshop</td>
<td>2</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>Shop 20 Machine Shop</td>
<td>2</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>C. E. 1 L Elem Surveying</td>
<td>2</td>
</tr>
<tr>
<td>Physical Educ</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>18</td>
</tr>
</tbody>
</table>

NOTE: Students deficient in mathematics will be required to take Mathematics A in addition to Mathematics 18.

Students deficient in English will be required to take English A in addition to English 1.

1. Students interested in Chemical and Electrical Engineering should take Chemistry 1 a b L the first year and Physics 1 a b L the second year.
### Curriculum Leading to the Degree of Bachelor of Science in Civil Engineering

#### Sophomore Courses

<table>
<thead>
<tr>
<th>First Half</th>
<th>Second Half</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math 53 a Intro to Calc.</td>
<td>Math 53 b Intro to Calc.</td>
</tr>
<tr>
<td>Chem 1a &amp; 1b Inorg &amp; Lab</td>
<td>Chem 1b &amp; 1 bL Inorg &amp; Lab</td>
</tr>
<tr>
<td>C. E. 53 L Advanced Surveying</td>
<td>C. E. 54 L Geodetic Surveying</td>
</tr>
<tr>
<td>Engl 64 a English</td>
<td>C. E. 60 L Mechanics (Statics)</td>
</tr>
<tr>
<td>Electives</td>
<td>Geol 1 Physical Geology</td>
</tr>
<tr>
<td>P. E.</td>
<td>Geol 5 L Physical Geology Lab</td>
</tr>
<tr>
<td></td>
<td>P. E.</td>
</tr>
<tr>
<td>18</td>
<td>18</td>
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</table>

#### Junior Courses

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>C. E. 102 L Str of Materials</td>
<td>4</td>
</tr>
<tr>
<td>M. E. 103 Mechanics (Dynamics)</td>
<td>2</td>
</tr>
<tr>
<td>C. E. 110 L Hydraulics</td>
<td>4</td>
</tr>
<tr>
<td>C. E. 111 L Structures</td>
<td>2</td>
</tr>
<tr>
<td>C. E. 116 L Masonry Materials</td>
<td>3</td>
</tr>
<tr>
<td>Econ 165 Prin of Economics</td>
<td>3</td>
</tr>
<tr>
<td>C. E. 157 F Field School</td>
<td>2</td>
</tr>
</tbody>
</table>

#### Senior Courses

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>C. E. 159 L Masonry Structures</td>
<td>3</td>
</tr>
<tr>
<td>C. E. 162 aL Municipal Engr</td>
<td>3</td>
</tr>
<tr>
<td>C. E. 167 L Soils</td>
<td>3</td>
</tr>
<tr>
<td>E. E. 196 bL Electrical Applications</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
<td>3</td>
</tr>
<tr>
<td>C. E. 157 F Field School</td>
<td>2</td>
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</table>

### Curriculum Leading to the Degree of Bachelor of Science in Electrical Engineering

#### Sophomore Courses

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Math. 53 a Calculus</td>
<td>4</td>
</tr>
<tr>
<td>Physics 1 aL Physics</td>
<td>4</td>
</tr>
<tr>
<td>Engl. 64 a English</td>
<td>3</td>
</tr>
<tr>
<td>M.E. 55 L Mechanism</td>
<td>2</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>Physical Educ.</td>
<td>1</td>
</tr>
<tr>
<td>Elective</td>
<td>17</td>
</tr>
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</table>

#### Junior Courses

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>E.E. 103 L Elec. &amp; Mag. Circuits</td>
<td>4</td>
</tr>
<tr>
<td>E.E. 107 L Direct Current Mach.</td>
<td>4</td>
</tr>
<tr>
<td>E.E. 108 L Str. of Materials</td>
<td>4</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>17</td>
</tr>
</tbody>
</table>

#### Senior Courses

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>E.E. 161 bL A.C. Mach.</td>
<td>4</td>
</tr>
<tr>
<td>E.E. 162 L Elec. Engr. Design</td>
<td>2</td>
</tr>
<tr>
<td>E.E. 172 L Elec. Electronics</td>
<td>3</td>
</tr>
<tr>
<td>M.E. 156 Ind. Engr.</td>
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</tr>
<tr>
<td>Elective</td>
<td>3</td>
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</table>

### Power Option

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>E.E. 195 L Ind. Electronics</td>
<td>4</td>
</tr>
<tr>
<td>E.E. 196 L Power Transmission</td>
<td>4</td>
</tr>
<tr>
<td>Elective</td>
<td>18</td>
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</tbody>
</table>

### Communication Option

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>E.E. 193 L Comm. Engr.</td>
<td>4</td>
</tr>
<tr>
<td>E.E. 194 L Radio Telephony</td>
<td>4</td>
</tr>
<tr>
<td>Elective</td>
<td>18</td>
</tr>
</tbody>
</table>
CURRICULUM LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING.

**Sophomore Courses**

<table>
<thead>
<tr>
<th>First Half</th>
<th>Second Half</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math. 53 a Calculus</td>
<td>Math. 53 b Calculus</td>
</tr>
<tr>
<td>Chem. 1aL General</td>
<td>Chem. 1bL General</td>
</tr>
<tr>
<td>M.E. 55 L Mechanisms</td>
<td>M.E. 5 3 Engr. Materials</td>
</tr>
<tr>
<td>Econ. 105 Principles of Econ.</td>
<td>C.E. 60 L Mechanics (Statics)</td>
</tr>
<tr>
<td>M.E. 56 L Machine Drawing</td>
<td>Shop 64 L</td>
</tr>
<tr>
<td></td>
<td>17</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.E. 101 L Heat Power</td>
</tr>
<tr>
<td>M.E. 105 Mechanics (Dynamics)</td>
</tr>
<tr>
<td>C.E. 102 L Str. of Materials</td>
</tr>
<tr>
<td>E.E. 106 aL Electrical Applications</td>
</tr>
<tr>
<td>Shop 70 L</td>
</tr>
<tr>
<td>Elective</td>
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</table>

<table>
<thead>
<tr>
<th>Senior Courses</th>
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</thead>
<tbody>
<tr>
<td>M.E. 151 aL M.E. Lab.</td>
</tr>
<tr>
<td>M.E. 153 aL M.E. Design</td>
</tr>
<tr>
<td>M.E. 160 Int. Comb. Engines</td>
</tr>
<tr>
<td>E.E. 138 L Electronics &amp; Controls</td>
</tr>
<tr>
<td>Electives</td>
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</table>

Aeronautical Option

<table>
<thead>
<tr>
<th>Senior Courses</th>
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</thead>
<tbody>
<tr>
<td>M.E. 151 aL Mech. Engr. Lab.</td>
</tr>
<tr>
<td>M.E. 167 a Aerodynamics</td>
</tr>
<tr>
<td>M.E. 160 Int. Comb. Engines</td>
</tr>
<tr>
<td>Electives</td>
</tr>
</tbody>
</table>

Petroleum Production Option

Substitute Geology 1, 5 L and 2, 6 L for M.E. 53 and one shop course and take Chemistry 51 and 52 aL and one other Geology course as electives before graduation.

<table>
<thead>
<tr>
<th>Senior Courses</th>
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</thead>
<tbody>
<tr>
<td>M.E. 151 aL Mech. Engr. Lab.</td>
</tr>
<tr>
<td>M.E. 160 Int. Comb. Engines</td>
</tr>
<tr>
<td>M.E. 181 a Petroleum Production</td>
</tr>
<tr>
<td>Electives</td>
</tr>
</tbody>
</table>

**Curriculum Leading to the Degree of Bachelor of Science in Chemical Engineering.**

**Sophomore Courses**

<table>
<thead>
<tr>
<th>First Half</th>
<th>Second Half</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math. 53 a Calculus</td>
<td>Math. 53 b Calculus</td>
</tr>
<tr>
<td>Physics 1aL General</td>
<td>Physics 1 bL General</td>
</tr>
<tr>
<td>Chem. 52 aL Quant. Analysis</td>
<td>Chem. 52 bL Quant. Analysis</td>
</tr>
<tr>
<td>Chem. 51 2nd yr. Chem</td>
<td>C.E. 60 L Mechanics (Statics)</td>
</tr>
<tr>
<td>Engl. 54 a Informative Writing</td>
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</table>
### Junior Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chem. 102 aL Organic</td>
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</tr>
<tr>
<td>Chem. 110 aL Physical</td>
<td>4</td>
</tr>
<tr>
<td>M.E. 101 L Heat Power</td>
<td>4</td>
</tr>
<tr>
<td>E.E. 106 aL Electrical Applications</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
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### Senior Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Chem. 102 bL Organic</td>
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</tr>
<tr>
<td>Chem. 110 bL Physical</td>
<td>4</td>
</tr>
<tr>
<td>M.E. 102 L Thermodynamics</td>
<td>4</td>
</tr>
<tr>
<td>E.E. 106 bL Electrical Applications</td>
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<td>Electives</td>
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### Curriculum Leading to the Degree of Bachelor of Science in Industrial Arts

#### Freshman Courses

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<tbody>
<tr>
<td>Engl. 1 a Composition</td>
<td>Engl. 1 b Composition</td>
</tr>
<tr>
<td>.Math. 15 Algebra</td>
<td>Math. 16 Trigonometry</td>
</tr>
<tr>
<td>Shop 10 L Woodwork</td>
<td>Shop 20 L Machine Shop</td>
</tr>
<tr>
<td>Chem. 1 aL Inorganic</td>
<td>Chem. 1 bL Inorganic</td>
</tr>
<tr>
<td>E.E. 107 L Strength Materials</td>
<td>Elective</td>
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<tr>
<td>Electives</td>
<td>Physical Educ.</td>
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<tr>
<td>Physical Educ.</td>
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#### Sophomore Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Physics 1 aL General</td>
<td>4</td>
</tr>
<tr>
<td>Shop 62 L Woodwork</td>
<td>3</td>
</tr>
<tr>
<td>M.E. 56 L Machine Drawing</td>
<td>3</td>
</tr>
<tr>
<td>Engl. 55 Public Speaking</td>
<td>2</td>
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<tr>
<td>Elective</td>
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</tr>
<tr>
<td>Physical Educ.</td>
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<tr>
<td></td>
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#### Junior Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>C.E. 60 L Mechanics (Statics)</td>
<td>3</td>
</tr>
<tr>
<td>Shop 66 L Cabinet Work</td>
<td>3</td>
</tr>
<tr>
<td>Shop 64 L Pattern Making</td>
<td>2</td>
</tr>
<tr>
<td>M.E. 55 L Mechanisms</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
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<td></td>
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<td></td>
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#### Senior Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>E.E. 109 aL Applied Elect.</td>
<td>3</td>
</tr>
<tr>
<td>M.E. 104 L Elem. of Thermo.</td>
<td>4</td>
</tr>
<tr>
<td>Shop 107 L Foundry Practice</td>
<td>3</td>
</tr>
<tr>
<td>Econ. 141 Labor Problems</td>
<td>3</td>
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<tr>
<td>Electives</td>
<td></td>
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<tr>
<td></td>
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**COLLEGE OF ENGINEERING**

Departments of Instruction

Course Numbering: from 1-50, lower division, normally open to freshmen; from 51-100, lower division, normally open to sophomores; from 101-200, upper division, normally open to juniors, seniors, and graduates; 201-300, open to graduates only. Graduate credit for courses listed is allowed at the discretion of the Graduate Committee.
Symbols used in course descriptions:

ab or cd—course offered throughout two semesters
L—part of the course is laboratory work
F—course is given during field session
N—Navy number
SS—course offered in eight weeks' summer session only
Yr—course offered throughout two semesters and credit for a single semester's work is suspended until the entire course is completed.
*—course open to General College students
( )—credit value for each course for each semester
[ ]—former course number or title

A schedule of course offerings, including hours of meeting, is issued at the opening of each session.

Because of war conditions, the University reserves the right to cancel any listed course or to make a substitution in instructors if necessary.

DEPARTMENTS OF ENGINEERING

Professors Farris (Dean), Decker, Ford, Tapy, Thomas, Wagner; Associate Professors Hume, Jones; Assistant Professors Baylor, Ferguson, Heimerich, Munn, Steen, Reynolds, Bailey, Drummond, Hardgrave; Instructors Biddle, Schneider, Jacobson, Martin, May, Barton, Eldordt.

GENERAL COURSES IN ENGINEERING

Primarily for Freshmen

*1 abL. Engineering Drawing and Descriptive Geometry. (2-2) The essentials of drafting including the use of instruments, lettering, projecting, sections, developments, isometric drawing, and working drawings, and the theory and science of engineering drawing. Approved drawing equipment required. No lecture, 6 hrs. lab. Mr. Heimerich, Mr. Thomas.

*2 ab. [2 abL] Introduction to Engineering. (1-1). Orientation and engineering problems. Mr. Wagner, Mr. Ford, Mr. Tapy.

55 L. Architectural Drafting. (3) Preparation of complete small-scale working drawings for small buildings. Prerequisite: Engr. 1 ab. Mr. Heimerich.

REQUIRED COURSES FOR FLIGHT TRAINING

The following courses are open to any student enrolled in the University:

FL 1. Elements of Flight. (3) Civil air regulations, theory of flight, and engines. Staff.
FL 2. Meteorology. (2) An elementary study for pilots. Staff.

1. Research work for duration.
2. On leave of absence for duration.
DEPARTMENT OF CIVIL ENGINEERING
Primarily for Freshmen and Sophomores

1 L. Surveying. (2) Lectures and field work in the theory and practice of plane surveying. 1 hr. lecture, 3 hrs. lab. Mr. Steen, Mr. Barton.

53 L. Advanced Surveying. (3) Field and office work in the establishment of precise horizontal and vertical control for triangulation, and topographic details by stadia and plane table. 1 hr. lecture, 6 hrs. lab. Prerequisite: C.E. 1 L and M 18 b. Mr. Steen, Mr. Barton.

54 L. Geodetic Surveying. (2) Astronomical determination of azimuth, latitude and time; and elementary photogrammetry. 1 hr. lecture, 3 hrs. lab. Prerequisite: C.E. 53 L. Mr. Wagner.

60 L. Mechanics. (Statics). (3) Principles of statics. Co-requisite: Math 53 b. 2 hrs. lecture, 3 hrs. lab. Mr. Steen, Mr. Ferguson, Mr. Decker, Mr. Drummond.

For Juniors, Seniors, and Graduates

102 L. [Engr. 102] Strength of Materials. (4) The mechanics of materials, theory of beams, columns, and shafts. Prerequisite: C.E. 60 L. 3 hrs. lecture, 3 hrs. lab. Mr. Steen, Mr. Decker, Mr. Ferguson.

104 L. Curves and Earthwork. (3) Field and laboratory work in the establishment of curves as applied to railroads and highways: earthworks, mass diagrams. Prerequisites: C.E. 1 L, M 18 b. 2 hrs. lecture, 3 hrs. lab. Mr. Steen.

107 L. Strength of Materials. (3) (For Industrial Art students) The mechanics of materials; theory of beams, columns, and shafts. 2 hrs. lecture, 3 hrs. lab. Prerequisite: C.E. 60 L. Mr. Steen.

110 L. Hydraulics. (4) Hydrostatics: gages, buoyancy; pressure on dams and gates. Hydrokinetics: flow of water through orifices, tubes, nozzles, Venturi meter, weirs, pipes, and open channels; turbines and current meters. Co-requisite: M. E. 105. 3 hrs. lecture, 3 hrs. lab. Mr. Wagner.

111 L. Stresses. (2) Graphical and analytical solutions of framed structures such as beams, girders, and trusses. Prerequisite: C.E. 60 L. 1 hr. lecture, 3 hrs. lab. Mr. Steen, Mr. Decker, Mr. Ferguson.

112 L. Fluid Mechanics. (3) (For other than Civil Engineering students). Hydrostatics and flow of liquids through open and closed conduits. Prerequisites: M. E. 105. 2 hrs. lecture, 3 hrs. lab. Mr. Wagner.

114 L. Theory of Structures. (2) Moment and shear diagrams, influence lines; moving load systems; equivalent uniform loadings; beam deflections; fixed-end moments and moment distribution. Miscellaneous design and detailing of elementary members. Prerequisites: C.E. 102 L and C.E. 111 L. 1 hr. lecture, 3 hrs. lab. Mr. Steen.

115 L. Masonry Materials. (3) The manufacture and properties of lime, clay products, and cement; occurrence and properties of stone, sand, and gravel; design and tests of concrete and mortars. Prerequisite: Junior standing. 2 hrs. lecture, 3 hrs. lab. Mr. Wagner.

117 L. Reinforced Concrete. (2) The analysis and design of elementary reinforced-concrete members. Properties of concrete. Specifications. Prerequisite: C.E. 111 L. 1 hr. lecture, 3 hrs. lab. Mr. Steen.

118 L. Highway Engineering. (4) Locations, construction, maintenance, cost durability, and methods of financing all types of primary and secondary roads & pavements. Prerequisite: C.E. 53 L. 3 hrs. lecture, 3 hrs. lab. Mr. Wagner.

157 F. Field Surveying. (2) Summer camp, two weeks. Practice in topographic surveying. Complete surveys of projects are made and the notes used for mapping. Prerequisite: C.E. 53 L. Mr. Wagner.

158 L. Steel and Wood Structures. (3) The design and detail of
girders, roof trusses, highway and railway bridges, building frames, and mill buildings. Prerequisites: C.E. 114 L. 2 hrs. lecture, 3 hrs. lab. Mr. Steen.

159 L. Masonry Structures. (3) Design and detail of retaining walls, foundations, highway bridges, slab constructions, and building frames. Prerequisite: C.E. 114 L. 2 hrs. lecture, 3 hrs. lab. Mr. Steen.

160 L. Structural Design. (3) Analysis and design of indeterminate structures. Use of classical and modern methods in analysis of rigid frames, continuous beams and trusses, arches, continuous building frames, cantilever and suspension bridges. Prerequisites: C.E. 114 L and C.E. 111 L. 2 hrs. lecture, 3 hrs. lab. Mr. Steen.

162 abL. Municipal Engineering. (3-3) Street design, water supply, storm and sanitary sewers, water treatment plant, and sewerage treatment plant. Prerequisites: C.E. 110 L and C.E. 118 L. 2 hrs. lecture, 3 hrs. lab. Mr. Wagner.

167 L. Soils. (3) Engineering properties and treatment of soils. Prerequisite: Senior standing. 2 hrs. lecture, 3 hrs. lab. Mr. Wagner.

184. Water Power. (2) Problems in design and construction relating to reservoirs, dams, conduits, and general hydraulic engineering. Prerequisite: C.E. 110 L.

For Graduates Only

251 ab. Problems. (3-3) Advanced reading, design, or research. Staff.

300. Thesis. (4 to 6) Staff.

DEPARTMENT OF ELECTRICAL ENGINEERING

Primarily for Sophomores

52 L. Survey of Electrical Engineering. (3) Problems in power, communications, and illumination. Co-requisite: Mathematics 53 a. 2 hrs. lecture, 3 hrs. lab. Mr. Barton and Mr. TapY.

For Juniors, Seniors, and Graduates

101 L. Direct Current Machines. (4) Theory and application of D.C. motors and generators. Co-requisite: E.E. 103 L, or Prerequisite E.E. 52 L. 3 hrs. lecture, 3 hrs. lab. Mr. Decker, Mr. Tapy.

103 L. [102 abL] Electric and Magnetic Circuits. (4) Direct current electric and magnetic circuits, transients, electric and magnetic fields. Prerequisite: M 53 b. 3 hrs. lecture, 3 hrs. lab. Mr. Decker, Mr. Hardgrave, Mr. Jacobson.

104 L. Alternating Current Circuits. (4) Single phase and polyphase circuits, wave analysis, coupled circuits, steady state and transients, symmetrical components. Prerequisite: E.E. 103 L. 3 hrs. lecture, 3 hrs. lab. Mr. Decker; Mr. Hardgrave, Mr. Jacobson.

106 abL. Electrical Applications. (3-3) Theory and applications of D. C. and A. C. motors, generators, and transformers. Prerequisites: Mathematics 53 b and Physics 1 bL. 2 hrs. lecture, 3 hrs. lab. Mr. Decker, Mr. Jones.

109 abL. Applied Electricity. (3-3) Direct and alternating current circuits and machines and their practical application to the machines in small shops. 2 hrs. lecture, 3 hrs. lab. Mr. Hardgrave, Mr. Tapy.


151 abL. Alternating Current Machinery. (4-4) Prerequisite: E.E. 104 L. 3 hrs. lecture, 3 hrs. lab. Mr. Tapy.
153 L. Electronics and Control. (3) Application of Electro-magnetic and electronic control to industrial problems. Prerequisite: E.E. 106 abL. 2 hrs. lecture, 3 hrs. lab. Mr. Hardgrave.
172 L. [171] Industrial Applications. (3) Application and control of direct and alternating current machines. Co-requisite: E.E. 151 bL. 2 hrs. lecture, 3 hrs. lab. Mr. Decker, Mr. Tapy.
186. Generating Stations. (3) The engineering and economic considerations governing the location, design, and operation of electric power plants, and the elementary principles of corporate finance and rate-making. Prerequisites: Economics 105 and E.E. 151 aL. Mr. Tapy.
193 L. Communication Engineering. (4) Theoretical treatment of networks, resonant, circuits, transmission lines, filters, coupled circuits, equalizes, and basic ultra-high frequency theory. Prerequisite: E.E. 132 L. 3 hrs. lecture, 3 hrs. lab. Mr. Jones, Mr. Hardgrave.
194 L. Radio Telephony. (4) Theory, design, and application of class A, AB, and B, C amplifiers, frequency and amplitude modulators and demodulators to telephone and radio communication circuits. Prerequisite: E.E. 193 L. 3 hrs. lecture, 3 hrs. lab. Mr. Jones.
195 L. Industrial Electronics. (4) Electronics as applied to industrial problems. Rectifiers, speed and voltage regulators, automatic synchronizers, industrial X-ray, high frequency heating, etc. Prerequisite: 132 L. 3 hrs. lecture, 3 hrs. lab. Mr. Jones.
196 L. Power Transmission and Distribution. (4) Electrical and mechanical characteristics; economics of transmission and distribution systems. Prerequisite: E.E. 151 aL. 3 hrs. lecture, 3 hrs. lab. Mr. Tapy.

For Graduates Only

251 ab. Problems. (3-3) Advanced reading, design, or research. Staff.
300. Thesis. (4 to 6) Staff.

DEPARTMENT OF MECHANICAL ENGINEERING
Primarily for Sophomores

53. [Engr. 53] Engineering Materials. (3) Characteristics of metals, alloys, wood, and concrete, and of the manufacture and heat treatment of iron and steel. Prerequisite or co-requisite: Chemistry 1 bL. Mr. Baylor, Mr. Bailey, Mr. Heimerich.
55 L. [114 L] Mechanisms. (2) Displacements, velocities, and accelerations of such machine elements as links, cams, gears, chains. Prerequisite: Engineering 1 abL. 6 hrs. lab. Mr. Baylor, Mr. Farris.
56 L. Machine Drawing. (3) Detail and assembly drawing of machine parts. Prerequisite: Engr. 1 abL. 1 hr. lecture, 6 hrs. lab. Staff.

For Juniors, Seniors, and Graduates

101 L. [101] Heat Power Engineering. (4) Theory and characteristics of heat engines and heat power equipment. Prerequisites: Mathematics 53 b and Chemistry 1 b and 1 bL. 3 hrs. lecture, 3 hrs. lab. Mr. Munn, Mr. Ford, Mr. Baylor.
102 L. [102] Thermodynamics. (4) Prerequisite: M.E. 101 L. 3 hrs. lecture, 3 hrs. lab. Mr. Ford, Mr. Baylor, Mr. Schneider.
104 L. Elements of Thermodynamics. (4) Principles of heat engines and thermodynamics. Not for Mechanical and Chemical Engineers. Prerequisite: Mathematics 53 b. 3 hrs. lecture, 3 hrs. lab. Staff.
105. Mechanics. (2) Principles of dynamics. Prerequisite: C. E. 60. Staff.

115 L. Elementary Machine Design. (3) Introduction to transmission of power by gears, belting, and shafting; proportioning for strength of fastenings, couplings, shafts, and frames; design of gears for strength and wear; specification of fits and tolerances; principles of lubrication and bearing design. 1 hr. lecture, 6 hrs. lab. Mr. Farris.

151 abL. Mechanical Engineering Laboratory. (2-2) Tests of boilers, engines, turbines, fans, compressors, and pumps, internal combustion engines, and refrigerating equipment. Prerequisite: M. E. 102 L. 6 hrs. lab. Mr. Ford, Mr. Thomas, Mr. Schneider.

115 L. Elementary Machine Design. (3) Introduction to transmission of power by gears, belting, and shafting; proportioning for strength of fastenings, couplings, shafts, and frames; design of gears for strength and wear; specification of fits and tolerances; principles of lubrication and bearing design. 1 hr. lecture, 6 hrs. lab. Mr. Farris.

151 abL. Mechanical Engineering Laboratory. (2-2) Tests of boilers, engines, turbines, fans, compressors, and pumps, internal combustion engines, and refrigerating equipment. Prerequisite: M. E. 102 L. 6 hrs. lab. Mr. Ford, Mr. Thomas, Mr. Schneider.

153 abL. Machine Design] Mechanical Engineering Design. (3-3) Machine elements, working drawings, and cost estimates. Prerequisites: M. E. 55 L and C. E. 102 L. 1 hr. lecture, 6 hrs. lab. Mr. Farris, Mr. Thomas.

155. Power Plants. (3) Types and equipment. Prerequisite: M. E. 102 L. Mr. Ford.

156. Industrial Engineering. (2) The principles of management applied to the general operation of engineering projects and manufacturing plants. Prerequisite: senior standing. Mr. Farris, Mr. Baylor.

160. Internal Combustion Engines. (3) Theories of Otto and Diesel type engines. Prerequisite: M. E. 102 L. Mr. Ford.

162 L. Refrigeration. (3) Prerequisite: M. E. 102 L. 2 hrs. lecture, 3 hrs. lab. Mr. Ford, Mr. Munn.

167 abL. Aerodynamics. (3-3) Application of the fundamental principles of mechanics and hydrodynamics to the study of airplane design and performance. Prerequisites: Engr. 102 L. 167 aL: 3 hrs. lecture, no lab.; 167 bL: 2 hrs. lecture, 3 hrs. lab. Mr. Mun, Mr. Biddle.

171. Airplane Structures: (2) Application of fundamental principles of structural theory to practical airplane design. Prerequisites: M. E. 102 L. 167. Mr. Munn.

181 ab. Petroleum Production. (3-3) Oil field development methods of drilling and oil recovery, preliminary refining, storage, and transportation. Prerequisite: senior standing. Mr. Ford.

For Graduates Only

251 ab. Problems. (3-3) Advanced reading, design, or research. Staff.

300. Thesis. (4 to 6) Staff.

SHOP COURSES

10 L. Woodwork. (2) Instruction in proper use of hand tools, knowledge of common woods, joinery, and the setting up of and the operation of wood-working power machinery. 6 hrs. lab. Mr. Bailey.

20 L. Machine Shop. (2) Bench work such as filing, tapping and simple layouts, and the operation of engine lathes, drill presses, shapers, grinders, and milling machines. 6 hrs. lab. Mr. Bailey.

60 L. Cabinet Work. (3) Working knowledge of all types of joints and finishes, construction of some article built complete, and the study of styles of furniture. Prerequisite: Shop 10 L. 1 hr. lecture, 6 hrs. lab. Mr. Bailey.

62 L. Woodwork. (3) Use of steel square and elementary construction. Prerequisite: Shop 10 L. 1 hr. lecture, 6 hrs. lab. Mr. Bailey.

64 L. Pattern Making. (2) Construction of patterns such as one-piece, two-piece, straight and irregular parting; core box design and construction; and the methods of marking and storage. Prerequisite: Shop 10 L. 6 hrs. lab. Mr. Bailey.

70 L. Machine Shop. (2) Advanced machine-shop processes on all machines and the machining and assembling of some machine such as
wood lathe, permanent mold, sub press, wood vise. Prerequisite: Shop 20 L. 6 hrs. lab. Mr. Bailey.

104 L. Pattern Making. (3) Construction of master patterns, plaster models, metal patterns and core boxes, gated patterns, and plated patterns of both wood and metal. Prerequisites: Shop 10 L and Shop 64 L. 1 hr. lecture, 6 hrs. lab. Mr. Bailey and staff.

105 L. Sheet Metal Work. (3) Construction of forms used in heating, ventilating, and air conditioning; development of intersections; and the proper uses of hand tools and turning machines. 1 hr. lecture, 6 hrs. lab. Mr. Bailey and staff.

107 L. Foundry Practice. (3) Bench molding, core making, and sand tempering, the melting and casting of ferrous and non-ferrous metals; and the cleaning of castings. 1 hr. lecture, 6 hrs. lab. Mr. Bailey and staff.

109 L. Arc and Acetylene Welding. (3) Use of arc and oxyacetylene welding, the brazing of ferrous and non-ferrous metals, and torch cutting. 1 hr. lecture, 6 hrs. lab. Mr. Bailey and staff.

**PRESCRIBED NAVY V-12 CURRICULA**

For a complete description of all Navy courses offered in the Navy V-12 and N.R.O.T.C. programs see Navy V-12 Bulletin No. 101.
COLLEGE OF FINE ARTS

Purpose and Function
The College of Fine Arts is established for the following purposes: (1) to stimulate a greater interest in the arts, both fine and applied; (2) to offer those who wish to specialize in any of the fields of art an opportunity to do so; (3) to coordinate more efficiently the work in architecture, dramatics, music, and painting and design; and (4) to make a better use of the unique facilities afforded by the state of New Mexico for the study and practice of the arts.

Departments and Degrees Offered
As constituted, the departments of this college are: Architecture (two years), Art (Painting and Design), Dramatic Art, and Music.

Courses leading to the degree of Bachelor of Fine Arts in Dramatic Art, Music, and Art are offered; in the combined curriculum, successful candidates will receive the degree of Bachelor of Fine Arts.

Graduation Requirements
Candidates for degrees must complete all requirements outlined in the respective curricula. One hundred hours must be of C grade or better; and, in addition, students transferred from other institutions must make a grade of C or better in three-fourths of the hours earned in the University of New Mexico.

A course in the Department of Naval Science and Tactics may be substituted during each semester of the school year for the course in Physical Education. In addition, the Naval Science course may be substituted in each of the curricula for courses as prescribed by the dean.

Curricula

Curriculum in Art—Painting and Design.—[Leading to the degree of Bachelor of Fine Arts in Art (Painting and Design). Hours required for graduation, 132.]

<table>
<thead>
<tr>
<th>Freshman Courses</th>
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<tr>
<td><strong>First Half</strong></td>
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<tr>
<td>English 1 a</td>
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<td>Art 1 a</td>
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<td><strong>Second Half</strong></td>
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<td>Art 52 a</td>
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<td>Art 63 a</td>
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<td>Art 81*</td>
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<td>Physical Education</td>
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<tr>
<th>Junior Courses</th>
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<td>Art 85 a</td>
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<tr>
<td>Art 131 a</td>
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<tr>
<td>Art 151 a</td>
<td>2</td>
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<td>Art 163 a</td>
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*Not required of students who elect to substitute work in applied art for drawing and painting.
COLLEGE OF FINE ARTS

Senior Courses

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Art 151</td>
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<tr>
<td>Art 152</td>
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<td>Art 163</td>
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<tr>
<td>Electives</td>
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Students are advised to choose their electives from art or allied fields, such as architectural history, history of music, dramatic literature, or English and foreign literatures. One summer in the Field School of Art at Taos is recommended.

Students who so-elect, in the Junior and Senior year, may substitute work in applied art (Art 32, 64, 71, 72, 73, 74, 75, 133, 167, 168, 171, and 175) for drawing and painting (Art 151 and 163).

Curriculum in Dramatic Art.—(Leading to the degree of Bachelor of Fine Arts in Dramatic Art. Hours required for graduation, 132.)

**Freshman Courses**

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<td>Foreign Language</td>
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<td>Drama 10 a</td>
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<td>Drama 30 a</td>
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**Sophomore Courses**

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<td>Drama 75 a</td>
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<td>Drama 85 a</td>
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<td>Drama 90 a</td>
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<td>Physical Education (Fencing)</td>
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<td>Drama 90 b</td>
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**Junior Courses**

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<td>Drama 135 a</td>
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<td>Drama 175 a</td>
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<td>Drama 160 a</td>
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<td>Drama 175 b</td>
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**Senior Courses**

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</table>

The student is advised to choose certain of his electives from fields closely allied to dramatic art, such as literature, either English or foreign, courses in Greek, Spanish, and French drama, or drama beginning with Ibsen; from cultural subjects in the Department of Music; and from courses in design in the Department of Art. It is strongly urged also that the student broaden his field of study by choosing electives from the curricula of other colleges of the University, especially courses in the social sciences, so as to gain better insight into the problems of contemporary society.

In physical education, the student is advised to take as much dancing and fencing as he can secure.

In addition to the planned course of study, students of the department participate in all phases of production of three-act and one-act plays. So far as is possible, this work is correlated to class work.

In lieu of courses not offered during certain terms, substitution made with the advice of the head of the department will be accepted.
Curricula in Music.—(Leading to the degree of Bachelor of Fine Arts in Music.) Four major fields of concentration are offered, namely: Theory; Applied Music (Instrumental); Applied Music (Voice); and Music Literature. Hours required for graduation, 130.

Required of all Students

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music 5 ab (Harmony)</td>
<td>6</td>
</tr>
<tr>
<td>Music 36 ab (History of Music)</td>
<td>6</td>
</tr>
<tr>
<td>English 1 ab (English Composition)</td>
<td>6</td>
</tr>
<tr>
<td>Physical Education</td>
<td>4</td>
</tr>
<tr>
<td>Music 96 ab (Counterpoint)</td>
<td>8</td>
</tr>
<tr>
<td>English Electives</td>
<td>6</td>
</tr>
</tbody>
</table>

Additional Requirements

1. For Students taking major work in Theory—

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music 1 ab (Applied)</td>
<td>4</td>
</tr>
<tr>
<td>Music 51 ab (Applied—Major Instrument)</td>
<td>4</td>
</tr>
<tr>
<td>Music 101 ab (Applied—Major Instrument)</td>
<td>4</td>
</tr>
<tr>
<td>Music 151 ab (Applied)</td>
<td>4</td>
</tr>
<tr>
<td>Music 153 ab (Orchestration)</td>
<td>4</td>
</tr>
</tbody>
</table>

2. For Students taking major work in Applied Music (Instrumental)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music 1 ab (Applied)</td>
<td>4</td>
</tr>
<tr>
<td>Music 51 ab (Applied—Major Instrument)</td>
<td>4</td>
</tr>
<tr>
<td>Music 101 ab (Applied—Major Instrument)</td>
<td>8</td>
</tr>
<tr>
<td>Music 119 ab (Applied—Minor Instrument)</td>
<td>4</td>
</tr>
</tbody>
</table>

3. For Students taking major work in Applied Music (Voice)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Music 1 ab (Voice)</td>
<td>8</td>
</tr>
<tr>
<td>Music 19 ab (Piano)</td>
<td>12</td>
</tr>
<tr>
<td>Music 69 ab (Voice)</td>
<td>4</td>
</tr>
<tr>
<td>Music 101 ab (Voice)</td>
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4. For Students taking major work in Music Literature

<table>
<thead>
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<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Music 1 ab (Applied)</td>
<td>4</td>
</tr>
<tr>
<td>Music 51 ab (Applied)</td>
<td>4</td>
</tr>
<tr>
<td>Music 101 ab (Applied)</td>
<td>4</td>
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</table>

It is recommended that courses be taken in approximately the following order:

**Field of Concentration—Theory**

**Freshman Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music 5 a (Harmony)</td>
<td>3</td>
</tr>
<tr>
<td>Music 36 a (History of Music)</td>
<td>3</td>
</tr>
<tr>
<td>Music 1 a (Applied)</td>
<td>2</td>
</tr>
<tr>
<td>Ensemble 1°2°</td>
<td>1</td>
</tr>
<tr>
<td>English 1 a (English Composition)</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>16</td>
</tr>
</tbody>
</table>

* For voice students choice is limited to French or German.
1° To be selected from Music 33 ab, 41 ab, 43 ab, 23 a, 21 ab, 37 ab, 7 ab.
2° To be selected from Music 133 ab, 143 ab, 123 ab, 121 ab, 131 ab, 132 ab, 134 ab, 137 ab, 117 ab.
3° To be selected from Music 171, 172, 180, 181, 182, 183, 184.
### Sophomore Courses

<table>
<thead>
<tr>
<th>First Half</th>
<th></th>
<th>Second Half</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Music 95 a (Counterpoint)</td>
<td>3</td>
<td>Music 95 b (Counterpoint)</td>
<td>3</td>
</tr>
<tr>
<td>Music 51 a (Applied)</td>
<td>2</td>
<td>Music 51 b (Applied)</td>
<td>2</td>
</tr>
<tr>
<td>Ensemble 1&quot;2&quot;</td>
<td>1</td>
<td>Ensemble 1&quot;2&quot;</td>
<td>1</td>
</tr>
<tr>
<td>Music 55 a (Orchestral Instruments)</td>
<td>2</td>
<td>Music 55 b (Orchestral Instruments)</td>
<td>2</td>
</tr>
<tr>
<td>English Elective</td>
<td>3</td>
<td>English Elective</td>
<td>3</td>
</tr>
<tr>
<td>Modern Language Elective</td>
<td>3</td>
<td>Modern Language Elective</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
<td>Physical Education</td>
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<tr>
<td>Electives</td>
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<td>Electives</td>
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<td>Total</td>
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#### Junior Courses

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<tr>
<th>First Half</th>
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<th>Second Half</th>
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</thead>
<tbody>
<tr>
<td>Music 133 a (Orchestration)</td>
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<td>Music 133 b (Orchestration)</td>
<td>2</td>
</tr>
<tr>
<td>Music 152 a (Form and Analysis)</td>
<td>2</td>
<td>Music 152 b (Form and Analysis)</td>
<td>2</td>
</tr>
<tr>
<td>Ensemble 1&quot;2&quot;</td>
<td>1</td>
<td>Ensemble 1&quot;2&quot;</td>
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</tr>
<tr>
<td>Art Elective</td>
<td>3</td>
<td>Art Elective</td>
<td>3</td>
</tr>
<tr>
<td>Modern Language</td>
<td>3</td>
<td>Modern Language</td>
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</tr>
<tr>
<td>Electives</td>
<td>3</td>
<td>Electives</td>
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#### Senior Courses

<table>
<thead>
<tr>
<th>First Half</th>
<th></th>
<th>Second Half</th>
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</thead>
<tbody>
<tr>
<td>Music 190 a (Composition)</td>
<td>2</td>
<td>Music 190 b (Composition)</td>
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</tr>
<tr>
<td>Music 157 a (Conducting)</td>
<td>2</td>
<td>Music 157 b (Conducting)</td>
<td>2</td>
</tr>
<tr>
<td>Historical Music Literature 3&quot;</td>
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<td>Historical Music Literature 3&quot;</td>
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</tr>
<tr>
<td>Ensemble 1&quot;2&quot;</td>
<td>1</td>
<td>Ensemble 1&quot;2&quot;</td>
<td>1</td>
</tr>
<tr>
<td>Music 151 a (Applied)</td>
<td>2</td>
<td>Music 151 b (Applied)</td>
<td>2</td>
</tr>
<tr>
<td>Music 197 a (Co-ordinating Course)</td>
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<td>Music 197 b (Co-ordinating Course)</td>
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<td>Electives</td>
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</table>

### Field of Concentration—Applied Music (Instrumental)

#### Freshman Courses

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<tr>
<th>First Half</th>
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<th>Second Half</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Music 5 a (Harmony)</td>
<td>3</td>
<td>Music 5 b (Harmony)</td>
<td>3</td>
</tr>
<tr>
<td>Music 36 a (History of Music)</td>
<td>3</td>
<td>Music 36 b (History of Music)</td>
<td>3</td>
</tr>
<tr>
<td>Music 1 a (Applied)</td>
<td>4</td>
<td>Music 1 b (Applied)</td>
<td>4</td>
</tr>
<tr>
<td>Ensemble 1&quot;2&quot;</td>
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<td>Ensemble 1&quot;2&quot;</td>
<td>1</td>
</tr>
<tr>
<td>English 1 a (English Composition)</td>
<td>3</td>
<td>English 1 b (English Composition)</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
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<td>Physical Education</td>
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<td></td>
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#### Sophomore Courses

<table>
<thead>
<tr>
<th>First Half</th>
<th></th>
<th>Second Half</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Music 95 a (Counterpoint)</td>
<td>3</td>
<td>Music 95 b (Counterpoint)</td>
<td>3</td>
</tr>
<tr>
<td>Music 51 a (Applied)</td>
<td>2</td>
<td>Music 51 b (Applied)</td>
<td>2</td>
</tr>
<tr>
<td>Ensemble 1&quot;2&quot;</td>
<td>1</td>
<td>Ensemble 1&quot;2&quot;</td>
<td>1</td>
</tr>
<tr>
<td>Music 55 a (Orchestral Instruments)</td>
<td>2</td>
<td>Music 55 b (Orchestral Instruments)</td>
<td>2</td>
</tr>
<tr>
<td>English Electives</td>
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<td>English Electives</td>
<td>3</td>
</tr>
<tr>
<td>Modern Language Elective</td>
<td>3</td>
<td>Modern Language Elective</td>
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<tr>
<td>Physical Education</td>
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<td>Physical Education</td>
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</tr>
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<td>Other Electives</td>
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<td>Other Electives</td>
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#### Junior Courses

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<tr>
<th>First Half</th>
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<th>Second Half</th>
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</thead>
<tbody>
<tr>
<td>Music 101 a (Major Instrument)</td>
<td>4</td>
<td>Music 101 b (Major Instrument)</td>
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<tr>
<td>Music 119 a (Minor Instrument)</td>
<td>2</td>
<td>Music 119 b (Minor Instrument)</td>
<td>2</td>
</tr>
<tr>
<td>Ensemble 1&quot;2&quot;</td>
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<td>Ensemble 1&quot;2&quot;</td>
<td>1</td>
</tr>
<tr>
<td>Music 152 a (Form and Analysis)</td>
<td>2</td>
<td>Music 152 b (Form and Analysis)</td>
<td>2</td>
</tr>
<tr>
<td>Modern Language Elective</td>
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<td>Modern Language Elective</td>
<td>3</td>
</tr>
<tr>
<td>Art Elective</td>
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<td>Art Elective</td>
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<td>Other Electives</td>
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<td>Other Electives</td>
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</tbody>
</table>

1° To be selected from Music 33 ab, 41 ab, 43 ab, 23 a, 21 ab, 37 ab, 7 ab.  
2° To be selected from Music 133 ab, 143 ab, 123 ab, 121 ab, 131 ab, 132 ab, 134 ab, 137 ab, 117 ab.  
3° To be selected from Music 171, 172, 180, 181, 182, 183, 184.
### Senior Courses

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Half</td>
<td>Music 151 a (Applied)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Historical Music Literature 3°</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Music 157 a (Conducting)</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Music 197 a (Comprehensive Co-ordinating Course)</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Ensemble 1°2°</td>
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<tr>
<td></td>
<td>Other Electives</td>
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<table>
<thead>
<tr>
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<th>Course Code</th>
<th>Course Name</th>
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</thead>
<tbody>
<tr>
<td>Second Half</td>
<td>Music 151 b (Applied)</td>
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<tr>
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<td>Historical Music Literature 3°</td>
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</tr>
<tr>
<td></td>
<td>Music 157 b (Conducting)</td>
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<td>Music 197 b (Comprehensive Co-ordinating Course)</td>
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</table>

### Field of Concentration—Applied Music (Vocal)

#### Freshman Courses

<table>
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<tr>
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<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Half</td>
<td>Music 5 a (Harmony)</td>
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</tr>
<tr>
<td></td>
<td>Drama 1 a (Reading and Speaking)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Music 1 a (Voice)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Music 19 a (Piano)</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>English 1 a (English Composition)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Physical Education</td>
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</tr>
<tr>
<td></td>
<td>English 1 a (English Composition)</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Second Half</td>
<td>Music 5 b (Harmony)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Drama 1 b (Reading and Speaking)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Music 1 b (Voice)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Music 19 b (Piano)</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>English 1 b (English Composition)</td>
<td>3</td>
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<tr>
<td></td>
<td>Physical Education</td>
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#### Sophomore Courses

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music 95 a (Counterpoint)</td>
<td>3</td>
<td></td>
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<tr>
<td>Music 51 a (Voice)</td>
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<tr>
<td>Music 69 a (Piano)</td>
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<tr>
<td>Ensemble 1°2°</td>
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<tr>
<td>Music 36 a (History of Music)</td>
<td>3</td>
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</tr>
<tr>
<td>French or German</td>
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<td>Physical Education</td>
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#### Junior Courses

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>Music 101 a (Voice)</td>
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<td>Ensemble 1°2°</td>
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<tr>
<td>Music 152 a (Form and Analysis)</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Historical Music Literature 3°</td>
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<tr>
<td>French or German</td>
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<td>English Elective</td>
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#### Senior Courses

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music 151 a (Voice)</td>
<td>4</td>
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<td>Music 157 a (Conducting)</td>
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</tr>
<tr>
<td>Music 189 a (Vocal Coaching)</td>
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</tr>
<tr>
<td>Music 197 a (Comprehensive Co-ordinating Course)</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Ensemble 1°2°</td>
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<tr>
<td>Other Electives</td>
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</tr>
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</table>

### Field of Concentration—Music Literature

#### Freshman Courses

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Name</th>
</tr>
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<tr>
<td>First Half</td>
<td>Music 5 a (Harmony)</td>
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</tr>
<tr>
<td></td>
<td>Music 36 a (History of Music)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Music 1 a (Applied)</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>English 1 a (English Composition)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Physical Education</td>
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<td></td>
<td>Electives</td>
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<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Second Half</td>
<td>Music 5 b (Harmony)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Music 36 b (History of Music)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Music 1 b (Applied)</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>English 1 b (English Composition)</td>
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<td>Physical Education</td>
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<tr>
<td></td>
<td>Electives</td>
<td>3</td>
</tr>
</tbody>
</table>

1° To be selected from Music 33 ab, 41 ab, 43 ab, 23 a, 21 ab, 37 ab, 7 ab.
2° To be selected from Music 133 ab, 143 ab, 123 ab, 121 ab, 131 ab, 132 ab, 134 ab, 137 ab, 117 ab.
3° To be selected from Music 171, 172, 180, 181, 182, 183, 184.
### Sophomore Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>Music 95 a (Counterpoint)</td>
<td>3</td>
</tr>
<tr>
<td>Music 95 b (Counterpoint)</td>
<td>3</td>
</tr>
<tr>
<td>Music 51 a (Applied)</td>
<td>2</td>
</tr>
<tr>
<td>Music 51 b (Applied)</td>
<td>2</td>
</tr>
<tr>
<td>Ensemble 1°2a</td>
<td>1</td>
</tr>
<tr>
<td>Ensemble 1°2b</td>
<td>1</td>
</tr>
<tr>
<td>Music 55 a (Orchestral Instruments)</td>
<td>2</td>
</tr>
<tr>
<td>Ensemble 55 b (Orchestral Instruments)</td>
<td>2</td>
</tr>
<tr>
<td>English Electives</td>
<td>3</td>
</tr>
<tr>
<td>English Electives</td>
<td>3</td>
</tr>
<tr>
<td>Modern Language Electives</td>
<td>3</td>
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<tr>
<td>Modern Language Elective</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
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<td>Physical Education</td>
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<td>Electives</td>
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<tr>
<td>Electives</td>
<td></td>
</tr>
<tr>
<td></td>
<td>17</td>
</tr>
</tbody>
</table>

### Junior Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Historical Music Literature 3°</td>
<td>2</td>
</tr>
<tr>
<td>Music 155 a (Form Analysis and Score Reading)</td>
<td>2</td>
</tr>
<tr>
<td>Ensemble 1°2°</td>
<td>1</td>
</tr>
<tr>
<td>Music 101 a (Applied)</td>
<td>2</td>
</tr>
<tr>
<td>Art Electives</td>
<td>3</td>
</tr>
<tr>
<td>Modern Language Elective</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

### Senior Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music 157 a (Conducting)</td>
<td>2</td>
</tr>
<tr>
<td>Historical Music Literature 3°</td>
<td>4</td>
</tr>
<tr>
<td>Ensemble 1°2°</td>
<td>1</td>
</tr>
<tr>
<td>Music 151 a (Applied)</td>
<td>2</td>
</tr>
<tr>
<td>Music 197 a (Comprehensive Co-ordinating Course)</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

**Students are advised to choose a part of their electives from fields allied to music, such as history of art, design, dramatic art, and literature, English or foreign. Before graduation every candidate for the Bachelor's degree must demonstrate a degree of proficiency at the piano equivalent to that expected of students completing Music 1a (Piano).**

**Note:** Students who are unable to pass an examination in Music Essentials 3ab will find it necessary to readjust the order in which they take the above curricula in order to take Music 3ab before Harmony 5ab.

† Pre-Architectural Curriculum.—(Total 74 to 75 hours.)

**Freshman Courses**

<table>
<thead>
<tr>
<th>First Half</th>
<th>Second Half</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 1a</td>
<td>3 English 1b</td>
</tr>
<tr>
<td>Mathematics 18a</td>
<td>5 Mathematics 18b</td>
</tr>
<tr>
<td>Architecture 13a</td>
<td>3 Architecture 13b</td>
</tr>
<tr>
<td>Architecture 27a</td>
<td>3 Architecture 27b</td>
</tr>
<tr>
<td>Architecture 39</td>
<td>2 Art 45b</td>
</tr>
<tr>
<td>Art 45a</td>
<td>3 Electives in Art</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1 Physical Education</td>
</tr>
</tbody>
</table>

**Sophomore Courses**

| Mathematics 53a | 4 Mathematics 53b | 4 |
| Physics 1aL | 3 Physics 1bL | 4 |
| Architecture 53a | 3 Architecture 53b | 3 |
| Architecture 57a | 4 Architecture 57b | 4 |
| Architecture 61 | 1 Physical Education | 1 |
| Art 65a | 3 Elective in Engineering | 2 |
| Physical Education | 1 |
Combined Curriculum in Fine Arts.—(Leading to the degree of Bachelor of Fine Arts.) Hours required for graduation, 132, including:

(a) Group requirements as listed under College of Arts and Sciences, page 60, or under the College of Education, page 107;
(b) Four semester hours of physical education;
(c) Major study or its equivalent in Art, Dramatic Art, or Music; and
(d) Minor study or its equivalent in Art, Dramatic Art, or Music (other than major field).

(A holder of the B.F.A. degree is eligible for certification as a teacher by the New Mexico State Board of Education if he has completed the requirements as stated in the Rules and Regulations governing such certification.)

COLLEGE OF FINE ARTS

Departments of Instruction

Course Numbering: from 1-50, lower division, normally open to freshmen; from 51-100, lower division, normally open to sophomores; from 101-200, upper division, normally open to juniors, seniors, and graduates; 201-300, open to graduates only. Graduate credit for courses listed is allowed at the discretion of the Graduate Committee.

Symbols used in course descriptions:
ab or cd—course offered throughout two semesters
L—part of the course is laboratory work
F—course is given during field session
SS—course offered in eight weeks' summer session only
Yr—course offered throughout two semesters and credit for a single semester's work is suspended until the entire course is completed
*—course open to General College students
†—course offered for General College credit only
( )—credit value for each course for each semester
[ ]—former course number or title

A schedule of course offerings, including hours of meeting, is issued at the opening of each session.

Because of war conditions, the University reserves the right to cancel any listed course or to make a substitution in instructors if necessary.

DEPARTMENT OF ARCHITECTURE:

Professor Dunbar.¹

A pre-architectural course of two years' duration given for the purpose of fitting the student to enter a professional school.

13 ab. History and Theory of Architecture. (3-3) This study of ancient architecture in its historical setting serves to imbue the

¹ On leave of absence for the duration.
² It is not intended to offer courses in architecture for the remainder of the war period.
beginner with many aspects of his profession and provides specific illustration of many guiding principles.

27 ab. Architectural Design. (3-3) Architectural drafting, analytic problems, and rendering in wash.


39. Graphics. (2) A study of the subject of graphic representation. Descriptive geometry, perspective, shades and shadows, etc.


57 ab. Architectural Design. (4-4) Class B problems, architectural drafting, and advanced rendering. Prerequisite: Architecture 27 ab.

61. Architectural Office Practice. (1) The mechanics, theory, and ethics of the profession.

DEPARTMENT OF ART (PAINTING AND DESIGN)

Professors Chapman, Douglass (Head), Dunbar1 (Dean); Associate Professors Adams, Jonson (Part-time); Assistant Professors Del Dosso,1 Goff, Sedillo; Instructor von Auw; Part-time Instructor Fach.

Major Study.—41 hours including Art 1 ab, 6 hours of drawing or life (in Art 45, 51, or 95), 52 ab, 5 hours of applied art (in Art 32, 64, 71, 72, 75, 133, 167, 168, 171, or 175), 63 ab or 85 ab, and 152 a, with a total of 12 hours in courses numbered over 100. One summer in the Field School of Art in Taos is recommended.

Minor Study.—24 hours including Art 1 ab, 6 hours of drawing or life (in Art 45, 51, or 95), 5 hours of applied art (in Art 32, 64, 71, 72, 75, 133, 167, 168, 171, or 175), and 52 ab. One summer in the Field School of Art in Taos is recommended.

Field Sessions.—Although suspended for the duration, each sum- mer, field sessions in art are normally conducted at Taos and Santa Fe. Courses 45 abF, 51 abF, 63 abF, 133 abF, 151 abcdF, 163 abcdeF, and 191 abcdF are usually offered at Taos, all courses for 1, 2, or 3 hours credit (except 45 abF, 4-5 hours); courses 25 F, 125 F, and 191 abcdF are usually offered at Santa Fe.

Pre-occupational Therapy.—Courses in this field are offered by the University to prepare students who wish to continue this work in established professional schools of occupational therapy or who wish to enter later the War Emergency Course for Occupational Therapists. For further information and for advice about curriculum, see or write Mrs. Sedillo, the director.

Materials, Student Work, and Credit.—Students enrolling in art courses furnish their own materials, except certain studio equipment provided by the University.

All work when completed is under the control of the department until after the annual exhibition of student work. Each student may be required to leave with the department one or two pieces of original work to be added to the permanent collection.

Credit: For one semester hour of credit it is expected that the student do approximately 48 clock hours of work, which includes time

1. On leave of absence for the duration.
spent in recitation, preparation, and laboratory. If full laboratory hours are not assigned in the schedule, they will be arranged by the instructor.

In courses 45, 51, 63, 85, 151, 163, and 185 credit will be given for units of work undertaken and completed at the rate described above. Credit for 45, 51, 63, and 85 will be suspended until a minimum of 3 credit hours is earned in any one of these courses. A combined total of 3 credit hours earned in 45 and 51 will remove suspension.

**Primarily for Freshmen and Sophomores**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
<th>Description</th>
<th>Instructor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 ab.</td>
<td>Creative Design</td>
<td>(3-3)</td>
<td>Experimentation and expression in line, color, and form; developing the imagination and feeling through a comprehension of space division. 6 class hrs. a week.</td>
<td>Mr. Goff, Miss von Auw.</td>
</tr>
<tr>
<td>25.</td>
<td>Indian Art</td>
<td>(2)</td>
<td>Development and symbolism of the decorative art of the Pueblos and other-tribes. Students taking this work in Santa Fe may earn 4 hours.</td>
<td>Mr. Chapman.</td>
</tr>
<tr>
<td>32.</td>
<td>Lettering</td>
<td>(2)</td>
<td>To develop facility and grace in the common forms of lettering. 6 class hrs. a week.</td>
<td>Mr. Douglass.</td>
</tr>
<tr>
<td>45 ab.</td>
<td>Drawing</td>
<td>(1-4 each semester)</td>
<td>The craftsmanship of drawing in various mediums from life, cast, and still life. Includes study of perspective. 9 class hrs. a week.</td>
<td>Mr. Adams, Mr. Douglass, Mr. Goff.</td>
</tr>
<tr>
<td>51 ab.</td>
<td>Life Drawing</td>
<td>(1-3 each semester)</td>
<td>Study from the human figure. 6 class hrs. a week.</td>
<td>Mr. Adams, Mr. Jonson.</td>
</tr>
<tr>
<td>52 ab.</td>
<td>History of Art</td>
<td>(3-3)</td>
<td>Painting, sculpture, architecture, and the minor arts from prehistoric times through the Renaissance.</td>
<td>Mrs. Sedillo.</td>
</tr>
<tr>
<td>63 ab.</td>
<td>Painting</td>
<td>(1-3 each semester)</td>
<td>Problems in technique with choice of medium. Prerequisites: Art 1 ab, and 45 ab or 51 ab. 9 class hrs. a week.</td>
<td>Mr. Adams, Mr. Goff, Mr. Jonson.</td>
</tr>
<tr>
<td>64 ab.</td>
<td>Frame Making</td>
<td>(1-1)</td>
<td>Mr. Douglass.</td>
<td></td>
</tr>
<tr>
<td>71 ab.</td>
<td>General Commercial Art</td>
<td>(3-3)</td>
<td>Art in advertising. Various techniques and methods of reproduction. Optional work in caricature and cartooning. Prerequisites: Art 1 ab, 32, 45 a or 51 a. 6 class hrs. a week.</td>
<td>Mr. Douglass.</td>
</tr>
<tr>
<td>72 ab.</td>
<td>Industrial Design</td>
<td>(3-3)</td>
<td>Work in three-dimensional design. 6 class hrs. a week.</td>
<td>Staff.</td>
</tr>
<tr>
<td>73 ab.</td>
<td>Camouflage and Model Making</td>
<td>(3-3)</td>
<td>6 class hrs. a week.</td>
<td>Staff.</td>
</tr>
<tr>
<td>74 ab.</td>
<td>Photography</td>
<td>(3-3)</td>
<td>Elementary use of cameras and darkroom equipment. Composition. 2 class hrs. a week.</td>
<td>Mr. Fach.</td>
</tr>
<tr>
<td>75 ab.</td>
<td>Latin-American Crafts</td>
<td>(3-3)</td>
<td>Use of the native raw materials of New Mexico. Revival of early Spanish designs and methods of Latin-America. Of interest to teachers. Prerequisite: Art 1 ab. 6 class hrs. a week.</td>
<td>Mrs. Sedillo.</td>
</tr>
<tr>
<td>81.</td>
<td>Artistic Anatomy</td>
<td>(2)</td>
<td>The skeleton and muscles of the human figure as related to life drawing. 4 class hrs. a week.</td>
<td>Mr. Douglass.</td>
</tr>
<tr>
<td>85 ab.</td>
<td>Sculpture</td>
<td>(1-3 each semester)</td>
<td>Technical execution and anatomical study. 9 class hrs. a week.</td>
<td>Miss von Auw.</td>
</tr>
<tr>
<td>95 abed.</td>
<td>Sketch Class</td>
<td>(1-1)</td>
<td>Life sketching in choice of medium without criticism.</td>
<td>Mr. Douglass.</td>
</tr>
</tbody>
</table>

*In these courses, students may register for the odd semester's work (that is, b, d, and f, in the fall, or a, c, and e, in the spring) provided prerequisites have been met.*
For Juniors, Seniors, and Graduates

125. Indian Art. (2) Advanced work. Students taking this work in Santa Fe may earn 4 hours. Prerequisite: Art 25. Mr. Chapman.

131 abcd. Advanced Creative Design. (3-3) Development of technique through work and research in various design problems. Prerequisite: Art 1 ab. 6 class hrs. a week. Mr. Jonson.

133 ab. Crafts, Processes, and Design. (3-3) The different crafts; the relationship of construction and design. Of interest to teachers. Prerequisite: Art 1 ab. 6 class hrs. a week. Miss von Auw.

151 abcd. Life Drawing. (1-2 each semester) Prerequisites: Art 45 ab and 51 ab. 6 class hrs. a week. Mr. Adams, Mr. Jonson.

152 ab. History of Art. (3-3) Survey, study, and discussion of painting and sculpture from the Renaissance to the present. Prerequisite: Art 52 ab. Mrs. Sedillo.

153. History of Art—Contemporary Mexican Painters. (2) Lectures and discussions on the main figures of the art movement in Mexico. Mrs. Sedillo.

163 abcd. Painting. (1-3 each semester) Advanced work in composition in selected mediums. Prerequisite: Art 63 ab. Mr. Adams, Mr. Jonson.

167. Costume Design. (3) Problems in selecting and designing. Study of historic dress. Prerequisites: Art 1 ab, and 45 ab or 51 ab. 6 class hrs. a week. Miss von Auw.

168. Home Arts. (3) Principles of home furnishing. Interior sketches in color. Prerequisites: Art 1 ab and 45 ab, or equivalent. 6 class hrs. a week. Miss von Auw.

171 ab. Advertising Problems. (2-3 each semester) Prerequisite: Art 71 ab. 3 hrs. lecture, lab. periods arranged. Mr. Douglass.

175 abcd. Latin-American Crafts. (3-3) Advanced work in selected mediums. Mexican lacquer. Of interest to teachers. Prerequisite: Art 75 ab. 6 class hrs. a week. Mrs. Sedillo.

185 abcd. Sculpture. (1-3 each semester) Prerequisite: Art 85 ab. 9 class hrs. a week. Miss von Auw.

191 abcd. Special Problems. (1-3 each semester) Staff.

195 ab. Sketch Class. (1-1) Prerequisite: Art 95 abcd. Mr. Douglass.

For Graduates Only

252 ab. History of Art. (2-2) A factual survey applied to the appreciation of art, the student specializing in the field he has chosen. Staff.

291. Problems. (1-3 each semester) Staff.


300. Thesis. (4-6) Staff.

DEPARTMENT OF DRAMATIC ART

Assistant Professor Crowe (Acting Head); Instructors De Roo, Vorenberg; Part-time Instructor Sedillo.

Major Study in College of Fine Arts.—See Curriculum, p. 137.

Major Study in College of Education.—1 ab, 10 ab, 30 ab, 75 ab,

† In these courses, students may register for the odd semester's work (that is, b, d, and f, in the fall, or a, c, and e, in the spring) provided prerequisites have been met.
90 ab, 160 a, and 6 hours to be selected from English 141, 143, 147, 148, 149. Total 37 hours.

Minor Study in College of Fine Arts, College of Arts and Sciences, or College of Education.—1 ab, 10 ab, 30 ab, 90 ab, English 147 or 149. Total 25 hours.

Primarily for Freshmen and Sophomores

*1 ab. Reading and Speaking. (3-3) First principles of speech training and fundamentals of interpreting prose and poetry. Miss Crowe, Mr. Vorenberg.
*10 ab. Theatre History. (2-2) The Greek period to the present time. Special emphasis to be given to the drama of England. Miss Crowe.
30 ab. Stage Craft. (3-3) Methods, materials, and techniques of stage carpentry. Students construct scenery for season's productions. 3 hrs. lecture, 3 hrs. lab. Mr. De Roo.
43 ab. Introduction to Radio. (2-2) Programming, script adaptation, rudiments of announcing. Mr. Vorenberg.
60. [60 ab. Play Production] Play Writing. (2) A course in the writing and staging of plays; performances given by students. Mr. De Roo.
75 ab. Technical Production. (3-3) Analysis, planning, and construction of stage scenery and properties. Mr. Vorenberg.
85 ab. Acting Technique. (3-3) Methods of interpretation for both modern and historical productions. Prerequisite: Dramatic Art 1 ab. Miss Crowe.
90 ab. Rehearsal and Performance. (3-3) Elementary techniques of both actor and director. Analysis of plays for methods of interpreting in production. Miss Crowe.
92 ab. Mexican and New Mexican Folk Dance. (2-2) Mrs. Sedillo.

For Juniors and Seniors

135 ab. Stage Lighting. (3-3) Theory and practice of present-day methods of lighting the stage. Mr. De Roo.
149 ab. Advanced Acting Technique. (3-3) Study of advanced problems in interpretative technique. Prerequisite: Dramatic Art 85 ab. Miss Crowe or Mr. Vorenberg.
160 ab. Advanced Rehearsal and Performance. (3-3) Detailed study of directing techniques. Analysis of scripts. Rehearsal by students, under supervision, of one-act plays for class presentation. Prerequisite: Dramatic Art 90 ab. Staff.
175 ab. Scene Design. (3-3) Materials, techniques, and methods of scene design and scene painting. Student designs compete for season's productions. Mr. Vorenberg or Mr. De Roo.
185 ab. Costume Design. (3-3) Historic, modern, and stylized costume and how to design it for the stage. Students execute costumes for season's productions. Miss Crowe, Mr. Vorenberg.
199 ab. Problems. (3-3) Advanced work in any of the following fields: directing, lighting, or scene design. Prerequisites: the student must have completed, or give concrete evidence of knowledge of, all preliminary courses offered in his chosen field. Staff.

DEPARTMENT OF MUSIC

Professor Robb (Head); Associate Professor Danfelser; Assistant Professors Frederick, Kunkel, Redman, Robert; Instructors Ancona, Burg, Keller.

1. On leave of absence for the duration.
(See curricula under College of Fine Arts and College of Education.)

Minor Study (College of Arts and Sciences)—Sixteen hours of theoretical courses (including 5 ab) and four hours of applied music.

Recitals and Public Exercises—Music majors and minors are required to attend certain specified recitals and to take part in recitals and public exercises. Loss of credit may result from failure to observe this rule.

Students are requested not to perform in public without the consent of the Department.

Courses marked with # may be repeated without duplication of credit to the limit of eight hours' credit for students of the College of Fine Arts, four hours for others.

Courses marked with ** open to any student in the University on approval of the conductor.

Ensemble Music

(One hour's credit represents two hours weekly of rehearsal plus necessary preparation.)

Large Ensemble Groups

Instrumental

### **33 ab. University Symphony Orchestra. (1-1) Study and performance of symphonic literature. Mr. Robb and Mr. Frederick.

### 133 ab. University Symphony Orchestra. (1-1) Prerequisite: two years in 33 ab. Mr. Robb and Mr. Frederick.

### **41 ab. University Band. (1-1) Study and performance of band literature. Mr. Kunkel.

### 141 ab. University Band. (1-1) Prerequisite: two years in 41 ab. Mr. Kunkel.

Vocal

### **43 ab. University Mixed Chorus. (1-1) Study and performance of choral literature. Mrs. Redman.

### 143 ab. University Mixed Chorus. (1-1) Prerequisite: two years in 43 ab. Mrs. Redman.

### **23 ab. Women's Glee Club. (1-1) Study of sacred and secular compositions covering a wide variety of styles. Concert appearances required; participation in public functions encouraged as a community service. Mrs. Redman.

### 123 ab. Women's Glee Club. (1-1) Prerequisite: two years in 23 ab. Mrs. Redman.

### **21 ab. Men's Glee Club. (1-1) For description see 23 ab. Mrs. Redman.

### 121 ab. Men's Glee Club. (1-1) Prerequisite: two years in 21 ab. Mrs. Redman.

Small Ensemble Groups

Instrumental

### 131 ab. Chamber Music. (1-1) Mr. Burg, Mr. Frederick.

### **132 ab. Woodwind Ensemble. (1-1) Mr. Kunkel.

### **134 ab. Brass Ensemble. (1-1) Mr. Kunkel.

### 37 ab. Piano Ensemble. (1-1) Study and performance of literature for two or more pianos; selected from all periods including the contemporary. Open to qualified piano students with consent of instructor. Mr. Robert.

### 137 ab. Advanced Piano Ensemble. (1-1) Mr. Robert.
Vocal

**Women's or Men's Quartettes.** (1-1) Study and performance of compositions selected from various periods; pre-Bach through contemporary. Participation in public functions encouraged as a community service. Mrs. Redman.

**Women's or Men's Quartettes.** (1-1) Prerequisite: two years in 7 ab. Mrs. Redman.

Theory, History, Conducting, and Composition

**Primarily for Freshmen and Sophomores**

**Theory and History**

3 ab. **Music Essentials.** (2-2) Notation, intervals, key signatures, sight reading, etc. Staff.

5 ab. **Harmony.** (3-3) An applied study of traditional harmony: aural, written, keyboard, including altered chords and modulations. Prerequisite: Music 3 ab or equivalent. Staff.

36 ab. **Survey of Music History.** (3-3) Its social and artistic significance in the history of human progress. a. Through the eighteenth century; b. During the nineteenth and twentieth centuries. Open to non-music majors with consent of the instructor. Students may be required to attend one listening period of one hour each, every week, at the option of the instructor. Mr. Robb.

95 ab. **[Intermediate Theory] Counterpoint.** (3-3) a. 16th-century counterpoint; b. Applied counterpoint. Prerequisites: Music 5 ab. Staff.

**Primarily for Juniors, Seniors, and Graduate Students**

**Theory, Conducting, and Composition**

152 ab. **[Form, Analysis and Score Reading] Form and Analysis.** (2-2) Analysis, aural and from the score, of the structural, harmonic, and contrapuntal elements of music from the primary forms through the symphony and concerto. Prerequisites: Music 95 ab. Mr. Robb.

153 ab. **Orchestration.** (2-2) Building of the orchestral score; detailed study procedures of past and present masters of orchestral techniques. Scoring of complete works and carrying through of projects to actual performance. Prerequisites: 55 ab, 95 ab. Mr. Kunkel.

157 ab. **[Conducting, Orchestral and Choral] Score Reading and Conducting, Orchestral and Choral.** (2-2) Technique of conducting and study of scores: actual conducting in public of instrumental and choral groups. Mr. Frederick, Mr. Kunkel, and Mrs. Redman.

190 ab. **Composition.** (2-2) Creative work in original composition, primarily in the smaller homophonic and polyphonic forms, including the writing of fugues. Prerequisites: 95 ab, 152 ab. Staff.

197 ab. **Comprehensive Co-ordinating Course.** (2-2) Required of all candidates for the degree of B.F.A. in music or B.F.A. with major in music. Designed to supplement deficiencies in any field. Staff.

**Historical Music Literature** (Prerequisite: Music 36 ab)

Students may be required to attend one listening period of one hour each, every week, at the option of the instructor.

83. [183] **Eighteenth and Nineteenth Century Opera.** (2) Italian, French, German, and Russian music-drama. Mr. Robb.

171. **Introduction to Musicology.** (2) Survey of scientific data and conclusions in the various musical fields. Staff.

172. **Comparative Study of Contemporary Music Literature.** (2) Emphasis placed on music of the Americas, integrally and in relation to European sources, past and present. Staff.
180. Palestrina, Victoria, des Prez, their Predecessors and Contemporaries. (2) Staff.
182. Life and Works of Ludwig van Beethoven. (2) Staff.
193. Folk Music of the Southwest. (2) A detailed study of examples of the indigenous Anglo-American, Spanish-American, and Indian folk music of the Southwest. Mr. Robb.

Music Appreciation
163 ab. Music Appreciation. (2-2) Designed for the general student who wishes to supplement his academic knowledge. Mrs. Ancona.
189 ab. Vocal Coaching. (1-1) One half hour of private instruction per week carries one hour of credit. Required of all senior voice students and open to juniors with consent of instructor. Special fee. Mr. Robert.

Pedagogy
177 abc. Piano Normal. (2-2-2) Technical and aesthetic aspects of the teaching of piano literature, organized for presentation in three units: a: Instruction of the beginner; b: Instruction of intermediate and advanced pupils; c: Summary of pedagogy as applied to individual and group instruction with supervised teaching. Mrs. Danfelser.

Applied Music (Private Instruction)
One half-hour lesson per week earns two hours' credit per semester. Additional fee. A student majoring in applied music is required to give a public recital in the junior year and another in the senior year. Students should consult the head of the department before enrolling for applied music.

The Department of Music offers degree courses for students electing the curricula in Applied Music, in Music Literature, and in Theory. In Applied Music it offers also secondary courses for students desiring a cultural background in music.

The secondary courses in applied music are designed to give those students whose major work is in another field, a practical approach to an instrument or voice. One or two hours' credit may be earned in these courses each semester.

The secondary courses are open to beginners in applied music in all fields. The student may continue these courses through four years.

Applied Music majors who have had no previous training in piano will be required to enroll in the secondary course in piano.

Students who have had previous training in piano will take a placement examination.

Degree Courses
1 ab. Freshman Course. (2-4 each semester) Arranged.
51 ab. Sophomore Course. (2-4 each semester) Arranged.
101 ab. Junior Course. (2-4 each semester) Arranged.
151 ab. Senior Course. (2-4 each semester) Arranged.
Secondary Courses

19 ab. Freshman Course. (1-2 each semester) Arranged.
69 ab. Sophomore Course. (1-2 each semester) Arranged.
119 ab. Junior Course. (1-2 each semester) Arranged.
169 ab. Senior Course. (1-2 each semester) Arranged.

Piano—Mr. Robert, Mrs. Ancona, Mrs. Danfelser.
Pipe Organ—Mrs. Ancona. Students enrolling for pipe organ are required to have a foundation in piano.
Violin and Viola—Mr. Frederick, Mr. Burg.
Cello and Guitar—Mr. Burg.
Orchestra and Band Instruments—Mr. Kunkel.
Voice—Mrs. Redman.

Requirements in the Fields of Applied Music

Piano

Entrance requirements for Piano majors: an ability to play major and minor scales correctly in moderately rapid tempo, also broken chords in octave position in all keys; studies such as Czerny's School of Velocity; Bach, Little Preludes; a few Bach Two-Part Inventions and compositions corresponding in difficulty to Mozart, Sonata C major (K.545), Beethoven, Sonata Op. 49, No. 1, Schubert, Impromptu, Op. 142, No. 2, Scherzo in B flat.

At the end of the second year (Music 1 ab and 51 ab) the student should have acquired a technique sufficient to play scales in parallel and contrary motion and in thirds, sixths, and tenths, and arpeggios and octaves in rapid tempo. He should have studied compositions of at least the following grades of difficulty: Bach, at least one complete French Suite; Beethoven, Sonatas or movements from Sonatas such as Op. 2, No. 1, Op. 10, No. 1, Op. .10, No. 2, Op. 14, No. 2; Haydn, Sonata E flat, No. 3; Mozart, Sonata F Major (K.332), Fantasia in D minor; Mendelssohn, Song Without Words; Chopin, Polonaise C sharp minor, Valse in A minor; Schumann, Novelette, Op. 21, No. 1; and some compositions by standard modern composers. The student should demonstrate his ability to read at sight accompaniments and compositions of moderate difficulty.

At the end of the fourth year (Music 101 ab and 151 ab), the candidate must have acquired the principles of tone production and velocity and their application to scales, arpeggios, chords, octaves, and double notes. He must have a repertory comprising the principal classics and romantic and modern compositions, such works, for example, as: Bach, several preludes and fugues from the Well-Tempered Clavichord, Italian Concerto, Chromatic Fantasia and Fugue, an English Suite or Partita; Mozart, Sonata A major (K.331), a concerto; Scarlatti, Sonatas; Beethoven, Sonatas such as Op. 31, No. 3, Op. 53, Op. 57; Schumann, Carnaval; and the more difficult compositions of Brahms, Chopin, and Liszt; compositions by standard modern composers such as Debussy, Ravel, Rachmaninoff, Scriabin, Hindemith, Bartok, etc.

Candidates are required to give a junior and a senior recital and they must have considerable experience in ensemble and as accompanists.
Violin

Entrance requirements for Violin students: an ability to play etudes of the difficulty of the Kreutzer Etudes, up to No. 32, and the Rode or Kreutzer concerti. An elementary knowledge of the piano desirable.

By the end of the second year the student should be able to play at least works corresponding in difficulty to the Viotti Concerto No. 22 or the Spohr Concerto No. 2.

By the end of the fourth year the student should be able to perform works such as the Mendelssohn E Minor Concerto, the Wieniawski Concerto in D minor, or the Bruch G Minor.

Voice

To enter the four year degree course in voice, a student must be able to sing standard songs in English, with good phrasing and musical intelligence shown.

1 ab—

Emphasis is placed upon the skillful use of the breath, elimination of tension, and amplification of resonance. Songs suited to the capacity of the pupil are studied as follows:

1. Eight songs from Early Italian Songs and Airs or from Italian Anthology, Vols. I & II.
2. Three songs from “Bergerettes” by Weckerlin (for those who have had high school French).
3. Three songs in German by Schubert, Schumann, Brahms, or other masters (for students who have had German in high school).
4. For those who are not qualified to do group 2 & 3, six old English songs may be substituted.
5. Six songs by modern composers.
6. Four songs suitable to the individual voice.

Total—24 songs in freshman year.

51 ab—

1. Six additional songs from Early Italian Songs and Airs or from Italian Anthology, Vols. I & II.
2. Aria from Mozart operas.
3. Three recitatives and arias from the less difficult oratorios.
4. Eight songs by German or French composers (according to the language studied).
5. Six songs by modern American composers.

Total—24 songs in sophomore year.

101 ab—

Four arias suited to the individual voice, from operas.
Four recitatives and arias suited to the individual voice, from sacred oratorios.
Eight French songs of the nineteenth and twentieth centuries.
Eight German songs from the nineteenth and twentieth centuries.
Eight songs in English by modern composers.

Total—32

Junior Recital.
151 ab—
Four additional arias in Italian, German, French, or English.
Four additional arias from sacred oratorios.
Eight French songs of the nineteenth and twentieth centuries.
Eight German songs of the nineteenth and twentieth centuries.
Eight songs in English by modern composers.
Total—32

Senior Recital.

A total repertoire of 112 songs should be completed by the end of the fourth year of voice study. A list of such repertoire should be compiled by each student of voice and turned in to the Head of the Voice Department and passed on by the music faculty before candidate shall receive his degree. Correct diction in English, Italian, French, and German should be mastered during the study of the above repertoire. A poised stage manner and a pleasing personality should be thoroughly acquired, as each voice pupil is called on frequently to sing in music assemblies beginning with the freshman year.

Other Fields of Applied Music

Instruction in Applied Music is offered also in the following fields or instruments: Bassoon, Cello, Flute, Horn, Oboe, Organ, Percussion, Trombone, Trumpet, and Tuba. For requirements in these fields see special Music Department Bulletin entitled “Requirements in the Fields of Applied Music.”

Group Instruction

#55 ab. Orchestral Instruments. (2-2) Group instruction in the playing of woodwind, brass, and stringed instruments. Of special importance to the prospective instrumental teacher and conductor. Mr. Kunkel.
#155 ab. Orchestral Instruments. (2-2) Continuation of 55 ab. Mr. Kunkel.

For Graduates Only

201 ab. Seminar in Musicology. (2-2) Individual problems in research and documentary examination of the entire field. Staff.
202 ab. Advanced Composition. (2-2) Individual guidance in composing for quartet, symphony, and vocal ensemble; survey of techniques in appropriate fields. Completion of major works for public performance. Original composition required in lieu of thesis. This may be in any of the larger forms such as string quartet, symphony, cantata. Mr. Robb.
203 ab. Advanced Repertoire. (3-3) One hour of individual coaching supplemented by one studio hour of playing for group criticism. Material chosen from the great art periods for piano, organ, orchestral instruments, or voice. Perfecting of major works for public performance. Public performance required in lieu of thesis. Mr. Robert and Mrs. Danfelser.
206. Advanced Orchestration. (2) Applied study of the resources of the modern orchestra. Mr. Robb.

SCHOLARSHIPS

A limited number of scholarships in Applied Music in the form of free lessons is usually made available to students of ability where the need of scholarship aid can be demonstrated.
One scholarship is customarily awarded by the Alumnae of Sigma Alpha Iota, after a competitive audition.

Application for such scholarship aid should be made as early as possible to the head of the Music Department.

MASTER CLASSES

From time to time the Department of Music intends to offer individual instruction and Master Classes in Applied Music conducted by distinguished teachers temporarily in residence at the University for such purpose. Special announcement will be made of such Master Classes. Special fees as set forth in such announcements will be charged.
GENERAL COLLEGE

The General College has been planned in terms of two-year programs. It makes provision for rather large numbers of students who, for one reason or another, do not find the four-year course advisable. Some of these groups are:

1. Those who are interested in general, instead of specialized, types of knowledge. Students of this sort prefer an overview of a field with emphasis upon general principles rather than upon techniques and details, and are to be taken care of to a large extent by survey courses. Even specialists in one field of knowledge, however, will find use for comprehensive surveys in others.

2. Those who wish to "explore." Interest in one or more of the fields of knowledge is a prime factor in college success; and this interest, together with greater efficiency in mental habits, can often be fostered through exploration.

3. Those who desire distinctly vocational courses of the semi-professional nature. Many capable young people want courses that lead to definite vocational techniques, even though they are not interested in general academic training.

4. Adults who have no interest in degrees or in technical courses, but who desire information and guidance in general or practical fields.

5. Finally, there are those young people who know from the beginning that either for financial or other reasons they must place a time limit upon their higher education. They may prefer either the general or the vocational type of training, but they are forced to look for that from which they can derive the most nearly finished and comprehensive results in less than four years.

Admission Requirements

For admission requirements to the General College, see "Admission and Expenses." Applicants for admission are held to the regulations as set down in the general admission section, except that the Committee on Entrance and Credits may accept an individual who has been recommended by the General College Committee for special consideration.

A student with more than 60 semester hours, exclusive of physical education, is not permitted to enter the General College.

Scholarship Regulations

A student with not more than 60 credit hours of academic work, suspended from one of the four-year colleges on the basis of scholarship, is permitted to enter the General College on probation, provided he has earned at least half as many points as the total number of hours he has attempted.

Probation.—A student is placed on probation at the end of each semester or summer session when the total number of points earned drops below one-half of the total number of hours for which he has been registered. Hours given a mark of W will be excluded in this computation, but hours of F will be counted.
Suspension.—A student is recommended for suspension at the end of any semester or summer session when he is placed on probation for the second successive time. Students suspended from the General College may re-enter the University only through the General College.

Transfer.—A student may be recommended for transfer from the General College to one of the other colleges of the University at the end of any semester or summer session, after having been registered for twelve or more hours (six or more hours in summer session), (1) when the average for the first semester in the University is equal to 1.2 (not applicable to transfer students), or when, after the first semester, the number of points earned is at least equal to the total number of hours which he has attempted in college, or (2) after receiving the General College Diploma, on the same basis as any other transfer student.

Completion of Course

Sixty-four hours of passing work, exclusive of non-theoretical courses in physical education, must be completed in order to fulfill the requirements for the General College diploma. Normally, this work will be divided into four semesters as indicated below.

Students registering in the General College may pursue courses in the Department of Naval Science and Tactics only with the permission of the Dean of the General College and the Head of the Department of Naval Science and Tactics. For those students enrolled in the Naval R.O.T.C. Unit, the course in Naval Science may be substituted for the course in Physical Education.

GENERAL COLLEGE

Academic Course‡

Freshman Courses

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<td>2 Math, Spanish, or Elect.*</td>
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Sophomore Courses

Electives from courses starred (*) in catalog 16

Electives from courses starred (*) in catalog 16

Art

Freshman Courses

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* Choice of: Art 1 ab, 25, 32, 45 ab; Business 4, 5, 6, 8 ab; Engineering 1 abL, 2 ab; Home Economics, 1, 2 L; Mathematics 14: Applied Music; P. E. 22 L, 61 L, 62 L; Spanish 1 ab, 41 ab, 65 ab.

† For courses open to General College students see offerings marked * and † under college sections.
Sophomore Courses

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<td>3 Art 63 b</td>
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<tr>
<td>Art 63 a</td>
<td>3 Art 71 b</td>
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<td>Art 75 a or 133 a</td>
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Homeland

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Associate Programs

See first two years Industrial Arts Curriculum, College of Engineering, page 129. Some adjustments to fit individual needs may be arranged.

Music

Freshman Courses

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<tr>
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Sophomore Courses

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<td>Ensemble Music</td>
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Recreational Leadership

Freshman Courses

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### Sanitation

**Freshman Courses**

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### Sophomore Courses

**Freshman Courses**

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### Secretarial

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<td>Electives</td>
<td>Electives</td>
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</table>
OTHER DIVISIONS OF THE UNIVERSITY

The Graduate School

Communications Concerning Graduate Study.—Communications concerning graduate study should be sent directly to the dean of the Graduate School. Communications in regard to admission to the Graduate School should be sent to the registrar. Transcripts in the possession of students are not acceptable, but should be sent to the registrar from the institution previously attended.

Degrees Offered.—Graduate work leading to the Master's degree is offered in the Departments of Anthropology, Art Education, Biology, Chemistry, Economics and Business Administration, Education, Civil Engineering, Electrical Engineering, Mechanical Engineering, English, Geology, Government and Citizenship, Greek and Latin, History, Inter-American Affairs, Mathematics, Modern Languages and Literature, Painting and Design, Physics, Psychology, Sociology, and a limited amount of work in Fine Arts.

The degree of Doctor of Philosophy is offered in American Civilization, Anthropology, English, History, and Spanish.

Candidates should consult the head of the department concerned and the dean of the Graduate School before registering.

Admission to the Graduate School.—Graduates of any recognized college or university may apply for admission to the Graduate School, with a view to becoming candidates for degrees. Selection of advanced students is based on the scope and quality of the applicant's scholastic record and his qualifications for independent study.

Graduates of institutions other than the University of New Mexico should file complete certified transcripts of their records with the registrar at least two weeks before registration. Students presenting such transcripts will be given a statement regarding the availability of credit for such work at this University. Any student may be refused admission if his previous college record is of such inferior quality as to indicate inability to pursue advanced work satisfactorily.

Requirements for Master's Degree.—The minimum requirements for a Master's degree are thirty semester hours, including a thesis. The thesis is required.

Extension and Correspondence Courses.—The University accepts no graduate work by extension or correspondence from other institutions.

Fellowships.—A number of fellowships are offered in the various departments. Correspondence in regard to fellowships may be addressed to the dean of the Graduate School or to the head of the department in which the candidate proposes to do his major work. Application blanks may be obtained from the office of the Graduate School.

Information.—For further information regarding advanced work and the conditions under which higher degrees may be obtained, consult the Graduate Catalog or the Graduate Office.

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Summer Session

A summer session of eight weeks is conducted each year on the campus. (For dates of the session, see the Calendar.) Every attempt is made to meet specialized needs of the particular student group of the session. Emphasis is placed on advanced and graduate work. A special program is offered for teachers and school administrators. The summer climate is warm but delightful; nights are cool. The residential halls are regularly operated during the Summer Session. A separate bulletin on the Summer Session may be obtained by addressing the director of the Summer Session, or the registrar.

Field Sessions

Field sessions are usually conducted each summer by the Departments of Anthropology, Art, and Engineering. Work in Biology and Geology is sometimes offered in the field. (For dates of these sessions see the Calendar.) Separate bulletins are published on the field sessions, and may be obtained by addressing the head of the department concerned.

Extension Division

The Extension Division of the University is a member of the National University Extension Association and is under the supervision of the College of Education. A special extension bulletin is issued each year, giving regulations and information concerning courses and services rendered by the Extension Division.

For a copy of the extension bulletin and further information, address the director of extension, Extension Division, University of New Mexico, Albuquerque.

NAVAL RESERVE OFFICERS' TRAINING CORPS

This department is administered by officers of the United States Navy in accordance with rules promulgated by the Navy Department.

DEPARTMENT OF NAVAL SCIENCE AND TACTICS

Commander Daniel, U.S.N. (Head), Professor; Commander Dau-nis, U.S.N., Associate Professor; Lieutenant Commander Mathany, U.S.N.R., Associate Professor; Lieutenant Jeffery, U.S.N., Assistant Professor; Lieutenant Bargeloh, U.S.N.R., Assistant Professor; Lieutenant Reedy, U.S.N.R., Assistant Professor; Lieutenant Shaw, U.S.N.R., Assistant Professor; Lieutenant Kelly, U.S.N.R., Assistant Professor; Ensign Holsclaw, U.S.N.R., Assistant Professor; Lieutenant Fishback (M.D.), U.S.N.R., Unit Medical Officer.

N.R.O.T.C. Third Classmen

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<td>Fourth College Term</td>
<td>N.S. 2 Seamanship</td>
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<td></td>
<td>N.S. 4 Navigation and Nautical Astronomy</td>
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N.R.O.T.C. Second Classmen

Fifth College Term  N.S. 3 Engineering and Damage Control. (3).
                   N.S. 5 Navigation and Nautical Astronomy. (3).

Sixth College Term  N.S. 6 Naval Administration and Law. (3).
                   N.S. 8 Ordnance and Gunnery. (3).

N.R.O.T.C. First Classmen

Seventh College Term  N.S. 9 Ordnance and Gunnery. (3).
                     N.S. 7 Tactics and Aviation. (3).

Eighth College Term  N.S. 10 Communications. (3).
                     N.S. 11 Refresher. (3).
DEGREES CONFERRED
October Twenty-fifth, Nineteen Hundred Forty-Four

COLLEGE OF ARTS AND SCIENCES

Bachelor of Arts

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Bachelor of Science

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<tr>
<td>Biology</td>
<td>Chemistry</td>
</tr>
<tr>
<td>Home Economics</td>
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Bachelor of Business Administration

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COLLEGE OF ENGINEERING

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<tr>
<td>Conrad Gonzales</td>
<td>William Arden Small</td>
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<tr>
<td>Donald Eugene Gray</td>
<td>Oscar Laverne Smith</td>
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<td>Robert N. Vinyard</td>
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Bachelor of Science in Electrical Engineering

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Bachelor of Science in Mechanical Engineering

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<tr>
<td>Roy Ellsworth Burris, Jr.</td>
<td>Bruce Alan Reese</td>
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<tr>
<td>George Van Lemmon</td>
<td>Rollin L. Schneider</td>
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*With Distinction

[ 161 ]
### Bachelor of Arts in Education

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<tr>
<td>Katharine Bail</td>
<td>English</td>
<td>History</td>
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<td>Joyce Vivian Bandy</td>
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<tr>
<td>*Esther Pearl Barnhart</td>
<td>Mathematics</td>
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<td>Mary Ellen Gabrielle</td>
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<td>Joan Marie Hodges</td>
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<td>Psychology</td>
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<td>Kathryn E. Lenihan</td>
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<td>Ada Rutledge</td>
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<tr>
<td>Connie Limon Ulbarri</td>
<td>History</td>
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<td>Elem</td>
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<td>Elise N. Vogel</td>
<td>Social Studies</td>
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<td>Economics</td>
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### Bachelor of Science in Education

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<th>Curric.</th>
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<tbody>
<tr>
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<tr>
<td>Dorothea MacSwain</td>
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<td>Ad&amp;S</td>
</tr>
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<td>Govt. &amp; Citiz.</td>
<td>HS</td>
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<tr>
<td>Irma Nell Meyers</td>
<td>Home Economics</td>
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<tr>
<td>Elisa Marie Olson</td>
<td>Admin. &amp; Superv.</td>
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<td>Ad&amp;S</td>
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<td>Elizabeth Margaret Seatter</td>
<td>Admin. &amp; Superv.</td>
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<td>HS</td>
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<td>Commercial Educ.</td>
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<td>Alice Lu Wells</td>
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<td>Betty Irene Williams</td>
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### Bachelor of Science in Physical Education

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<th>Curric.</th>
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<tbody>
<tr>
<td>Verley Cleaver Newsom</td>
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<td>PE</td>
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<tr>
<td>Evelyn May Simms</td>
<td>Physical Education</td>
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### COLLEGE OF FINE ARTS

**Bachelor of Fine Arts in Art (Painting and Design)**

<table>
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<tbody>
<tr>
<td>Lola Barnes Furman</td>
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<tr>
<td>June Beatrice Leonard</td>
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<tr>
<td>Barbara Ruth Keskey</td>
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### GRADUATE SCHOOL

#### Master of Arts

<table>
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<tbody>
<tr>
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<td>Jessie Leona Boulter</td>
<td>Spanish</td>
<td>Secondary Education</td>
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<td>May Adair Carniglia</td>
<td>History</td>
<td>Government</td>
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<td>Thomas J. Dillon</td>
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<td>Admin. &amp; Superv.</td>
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<tr>
<td>Bessie Lee Johnson</td>
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<td>Admin. &amp; Superv.</td>
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<tr>
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<td>Admin. &amp; Superv.</td>
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<tr>
<td>Clara Morris</td>
<td>History</td>
<td>Admin. &amp; Superv.</td>
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<tr>
<td>Anita M. Noble</td>
<td>Administration</td>
<td>Admin. &amp; Superv.</td>
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<tr>
<td>Pao En-Kuei</td>
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<td>Marie Philips</td>
<td>Mathematics</td>
<td>Admin. &amp; Superv.</td>
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<td>History</td>
<td>Admin. &amp; Superv.</td>
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<tr>
<td>Walter George Short</td>
<td>English</td>
<td>Admin. &amp; Superv.</td>
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<tr>
<td>Maurice H. Simon</td>
<td>History</td>
<td>Admin. &amp; Superv.</td>
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<tr>
<td>Marie Van Driel</td>
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<td>Shila Marie Wiley</td>
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*With Distinction

†With Honors.
DEGREES CONFERRED

Master of Science
Velma D. Whipple Biology

Master of Music
Mildred Botts Alexander Music

HONORARY DEGREE
Doctor of Letters
Ernest T. Pyle

GENERAL COLLEGE DIPLOMA (Two-Year Course)
Marjorie Olin
ENSELROLLMENT STATISTICS

Classification of Students

Classification of students in the various colleges is based upon the following standards of credit hours:

<table>
<thead>
<tr>
<th>Classification</th>
<th>A&amp;S. 0-28</th>
<th>Educ. 0-32</th>
<th>Engr. 29-64</th>
<th>F. A. 65-102</th>
<th>Gen. 103-</th>
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<td>29-50</td>
<td>33-65</td>
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<tr>
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<td>61-94</td>
<td>65-102</td>
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<tr>
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<td>95-103</td>
<td>95-103</td>
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</table>

Special students are persons of 21 years of age or over who have not fulfilled the admission requirements or who are not working toward a degree at the University.

Unclassified students are students who are on leave of absence from other institutions or whose status in the University has not been determined.

The Extension Division includes students enrolled for correspondence work and non-resident classes.

TABLE A. GEOGRAPHICAL DISTRIBUTION OF CIVILIAN STUDENTS

<table>
<thead>
<tr>
<th>Other States</th>
<th>1944 S. S.</th>
<th>1944-45</th>
<th>1944 S. S.</th>
<th>1944-45</th>
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<td>Men Women Total</td>
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<td>New York</td>
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<td>Colorado</td>
<td>1 2 3</td>
<td>4 12 16</td>
<td>N. Carolina</td>
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<td>3 0 3</td>
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<td>McKinley</td>
<td>1</td>
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<td>1</td>
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Total from New Mexico Counties: 44 176 220 216 684 900

Totals—Tables A and B: 51 227 278 316 8961212

### TABLE C. GEOGRAPHICAL DISTRIBUTION OF NAVY STUDENTS

<table>
<thead>
<tr>
<th>Other States</th>
<th>1944-45</th>
<th>Other States</th>
<th>1944-45</th>
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<tbody>
<tr>
<td>Alabama</td>
<td>1</td>
<td>Nebraska</td>
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<tr>
<td>Arizona</td>
<td>52</td>
<td>Nevada</td>
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<tr>
<td>California</td>
<td>112</td>
<td>New Hampshire</td>
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<tr>
<td>Colorado</td>
<td>32</td>
<td>New Jersey</td>
<td>7</td>
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<tr>
<td>Connecticut</td>
<td>1</td>
<td>New York</td>
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<tr>
<td>Dist. of Columbia</td>
<td>4</td>
<td>Ohio</td>
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<tr>
<td>Idaho</td>
<td>6</td>
<td>Oklahoma</td>
<td>18</td>
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<tr>
<td>Illinois</td>
<td>23</td>
<td>Oregon</td>
<td>11</td>
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<tr>
<td>Indiana</td>
<td>7</td>
<td>Pennsylvania</td>
<td>17</td>
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<tr>
<td>Iowa</td>
<td>13</td>
<td>Rhode Island</td>
<td>1</td>
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<tr>
<td>Kansas</td>
<td>10</td>
<td>South Carolina</td>
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<tr>
<td>Kentucky</td>
<td>3</td>
<td>South Dakota</td>
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<tr>
<td>Louisiana</td>
<td>1</td>
<td>Tennessee</td>
<td>2</td>
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<tr>
<td>Massachusetts</td>
<td>1</td>
<td>Texas</td>
<td>41</td>
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<tr>
<td>Michigan</td>
<td>4</td>
<td>Utah</td>
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<tr>
<td>Minnesota</td>
<td>5</td>
<td>Virginia</td>
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<tr>
<td>Mississippi</td>
<td>2</td>
<td>Washington</td>
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<td>Missouri</td>
<td>23</td>
<td>Wisconsin</td>
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<tr>
<td>Montana</td>
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Total from Other States: 499

Foreign Counties:

Mexico: 2

Total from Foreign Countries: 2

### TABLE D. GEOGRAPHICAL DISTRIBUTION OF NAVY STUDENTS

<table>
<thead>
<tr>
<th>New Mexico Counties</th>
<th>1944-45</th>
<th>New Mexico Counties</th>
<th>1944-45</th>
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<tbody>
<tr>
<td>Bernalillo</td>
<td>29</td>
<td>McKinley</td>
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<tr>
<td>Chaves</td>
<td>4</td>
<td>Otero</td>
<td>2</td>
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<tr>
<td>Colfax</td>
<td>1</td>
<td>Quay</td>
<td>2</td>
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<tr>
<td>Curry</td>
<td>2</td>
<td>Roosevelt</td>
<td>2</td>
</tr>
<tr>
<td>Dona Ana</td>
<td>1</td>
<td>San Juan</td>
<td>2</td>
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<tr>
<td>Eddy</td>
<td>6</td>
<td>San Miguel</td>
<td>3</td>
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<tr>
<td>Grant</td>
<td>2</td>
<td>Santa Fe</td>
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<td>Guadalupe</td>
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<td>Taos</td>
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<td>Harding</td>
<td>1</td>
<td>Terrance</td>
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<td>Lea</td>
<td>12</td>
<td>Valencia</td>
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<tr>
<td>Luna</td>
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Total from New Mexico Counties: 86

Totals—Tables C and D: 597
## ENROLLMENT SUMMARY

<table>
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<tr>
<th></th>
<th>Men</th>
<th>Women</th>
<th>Total</th>
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<tr>
<td><strong>Semester I, 1944-45:</strong></td>
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<td></td>
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<tr>
<td>Civilian</td>
<td>122</td>
<td>374</td>
<td>496</td>
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<tr>
<td>Navy</td>
<td>445</td>
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<tr>
<td><strong>Total</strong></td>
<td>567</td>
<td>374</td>
<td>941</td>
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<td><strong>Semester II, 1944-45:</strong></td>
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<td>Civilian</td>
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<tr>
<td>Navy</td>
<td>401</td>
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<tr>
<td><strong>Total</strong></td>
<td>605</td>
<td>664</td>
<td>1,269</td>
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<tr>
<td><strong>Semester III, 1944-45:</strong></td>
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<tr>
<td>Civilian</td>
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<td>594</td>
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<tr>
<td>Navy</td>
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<tr>
<td><strong>Total</strong></td>
<td>573</td>
<td>594</td>
<td>1,167</td>
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<td><strong>Total Semesters I, II, &amp; III:</strong></td>
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<tr>
<td>Civilian</td>
<td>516</td>
<td>1,632</td>
<td>2,148</td>
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<td>Navy</td>
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<td><strong>Total</strong></td>
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<td>1,632</td>
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<td><strong>Less Persons Enrolled More Than One Semester:</strong></td>
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<td>936</td>
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<tr>
<td>Navy</td>
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<tr>
<td><strong>Total</strong></td>
<td>842</td>
<td>736</td>
<td>1,578</td>
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<tr>
<td><strong>Total Different Persons Semesters I, II, &amp; III:</strong></td>
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<tr>
<td>Civilian</td>
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<td>Navy</td>
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<td><strong>Total</strong></td>
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<td><strong>1944 Summer Session</strong></td>
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<td>Extension Division, March 1, 1944 to February 28, 1945:</td>
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<tr>
<td>Correspondence Courses</td>
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<td>210</td>
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<td>Non-resident Classes</td>
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<td><strong>Total All Sessions</strong></td>
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<td>1,464</td>
<td>2,597</td>
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<tr>
<td><strong>Less Duplicates</strong></td>
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<td>119</td>
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<tr>
<td><strong>Total Different Persons Registered in All Sessions:</strong></td>
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<tr>
<td>Civilian</td>
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<td>1,891</td>
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<td>Navy</td>
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<td><strong>Total</strong></td>
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THE UNIVERSITY OF NEW MEXICO
APPLICATION FOR ADMISSION

(This form is to be mailed to the registrar, University of New Mexico
Albuquerque, New Mexico)

No Application Will Be Acted upon until All Necessary Transcripts
Are Received

Name ____________________________________________ (Check) Miss
(First) (Middle) (Last) Mrs.

Permanent Address ________________________________________________
Present Address if Different from Permanent Address ____________________________
Age ______ Date of Birth ______ Race ______ Married? ______

Have you been a member of the U. S. Armed Forces? ____________

Of What Country Are You a Citizen? ________________________________

Nationality of Parents: Father ____________ Mother ____________

Underline the college you expect to enter:
Arts and Sciences, Education, Engineering, Fine Arts,
General College (two-year), Graduate School

Underline the session for which you expect to enroll: Semester I,
Semester II, Semester III, Summer, Field Session in __________________________

From what high school were you graduated? ____________________________

Location (City and State? ____________ When? ____________

Have you previously enrolled in the University of New Mexico? ______

When? ____________ Residence, extension or correspondence? ____________

List all other colleges or universities attended, and dates of attendance:
(Indicate extension or correspondence enrollment also.)

(FAILURE TO COMPLY FULLY WITH THIS REQUEST WILL BE CONSIDERED A SERIOUS
BREACH OF HONOR.)

______________________________________________________________

______________________________________________________________

Of what college or university are you a graduate? ____________

What degree? ____________ When conferred? ____________

Are you eligible to return to the institution last attended if you desire
to do so? ____________ Do you plan to work toward a degree at the University of New Mexico? ____________

Are you having official transcripts sent to us from all institutions attended? ____________

Parent's name and permanent address ______________________________________
or Guardian's name and permanent address ______________________________________

Of what city and state are you a resident? ____________________________

If a resident of New Mexico, give dates of residence: __________________________

I certify that the above information is correct. Dated: __________________________

Signed: __________________________

(Applicant's usual signature)