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1943-1944 Southern Illinois Normal University Bulletin

Southern Illinois State Normal University

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U N I V E R S I T Y

B U L L E T I N * *

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STATE OF ILLINOIS
DWIGHT H. GREEN, GOVERNOR

Southern Illinois Normal University Bulletin

VOLUME XXXVIII

CARBONDALE, ILLINOIS, JUNE, 1944

NUMBER 3

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1943-44

ANNOUNCEMENTS
FOR
1944-45

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JANUARY APRIL JULY OCTOBER

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STATE OF ILLINOIS

DWIGHT H. GREEN

GOVERNOR

SOUTHERN ILLINOIS NORMAL UNIVERSITY

OPENED 1874

Accredited by the North Central Association of Colleges and Secondary Schools and as a Four-Year Teachers College by the American Association of Teachers Colleges.

TEACHERS COLLEGE BOARD

Frank G. Thompson.....	Director of Registration and Education Ex-Officio Chairman
V. L. Nickell.....	Superintendent of Public Instruction Ex-Officio Secretary
Jacob Alschuler.....	Aurora
Preston Bradley	Chicago
John D. Dill.....	Carbondale
Richard F. Dunn.....	Normal
Russell Guin	Danville
Harriet A. McIntire.....	Mendota
Charles A. McMorris.....	Marshall
Mrs. Helen Rose Pegelow.....	Mattoon
Lindell W. Sturgis.....	Metropolis
Elmer P. Hitter, Co-ordinator.....	Springfield

CALENDAR

1944-45

Fall Term, 1944

1944		
Sept. 11-12	Monday-Tuesday	Registration
Sept. 13	Wednesday	Instruction begun
Nov. 23-24	Thursday-Friday	Thanksgiving Vacation
Nov. 29-Dec. 1	Wednesday-Friday	Final Examinations

Winter Term, 1944-45

1944		
Dec. 4	Monday	Registration
Dec. 5	Tuesday	Instruction begun
Dec. 16	Saturday	Christmas Vacation begun
1945		
Jan. 2	Tuesday	Instruction resumed
March 7-9	Wednesday-Friday	Final Examinations

Spring Term, 1945

March 19	Monday	Registration
March 20	Tuesday	Instruction begun
June 3	Sunday	Baccalaureate Service
June 5-7	Tuesday-Thursday	Final Examinations
June 8	Friday	Seventieth Annual Commencement

First Summer Session, 1945

June 11	Monday	Registration
July 20	Friday	Final Examinations

Second Summer Session, 1945

July 23	Monday	Registration
Aug. 31	Friday	Final Examinations

ADMINISTRATION

Bruce W. Merwin.....	Acting President
T. W. Abbott.....	Director of Extension
Willard M. Gersbacher.....	Chairman of Faculty Senate
E. G. Lentz.....	Dean of Men
Edward V. Miles, Jr.....	Business Manager
R. A. Scott.....	Chairman of Victory Committee
Marjorie Shank.....	Registrar
F. G. Warren.....	Head of Department of Education
Luey K. Woody.....	Dean of Women

FACULTY

1944-45

Date indicates first year of service with the Faculty.

University

- BRUCE W. MERWIN *Acting President*
A.B., B.S. in Education, A.M. Ph.D., University of Kansas.
- T. W. ABBOTT (1928) *Professor of Chemistry, Director of Extension*
A.B., Indiana University; A.M., Harvard University; Ph.D., University of Illinois.
- ORVILLE ALEXANDER (1938) *Associate Professor of Government*
B.Ed., Southern Illinois Normal University; M.A., Ph.D., University of Iowa.
Leave of absence for work with Illinois Legislative Council, 1944-45.
- GLADYS W. BABCOCK (1939) *Instructor in Home Economics*
B.S., M.S., University of Minnesota.
Additional graduate work, 9 quarter hours.
- LOUISE BACH (1934) *Assistant Professor, University High School*
A.B., Illinois Wesleyan; A.M., University of Illinois.
- WILLIAM M. BAILEY (1914) *Professor of Botany, Head of Dept.*
A.B., B.S., Campbell College; M.S., Ph.D., University of Chicago.
- SARA S. BAKER (1928) *Assistant Professor of History*
B.Ed., Southern Illinois Normal University; M.A., Columbia University.
Additional graduate work, 1 year.
Entered Foreign Service, International Red Cross, February, 1944.
- HELEN A. BALDWIN (1918) *Associate Professor of Foreign Languages*
A.B., Denison; A.B., University of Chicago; A.M., Denison.
Additional graduate work, 1 semester.
- JULIA MINNETTE BARBER (1936) *Assistant Professor of English*
Director of Anthony Hall
B.A., M.A., University of Illinois.
Additional graduate work, 2 years.
- FRANCES BARBOUR (1925) *Associate Professor of English*
A.B., A.M., Washington University.
Additional graduate work, 2 years.
- MARY LOUISE BARNES (1929) *Assistant Professor of*
Home Economic
A.B., University of Illinois; M.S., Iowa State College.
Additional graduate work, 8 quarter hours.

- SHERMAN B. BARNES (1935) *Associate Professor of History*
A.B., Columbia University; Ph.D., Cornell University.
- THOMAS F. BARTON (1935) *Professor of Geography,*
Head of Department
Diploma, B.Ed., Illinois State Normal University; Ph.M., University of Wisconsin; Ph.D., University of Nebraska.
- RICHARD L. BEYER (1929) *Professor of History, Head of Dept.*
A.B., Allegheny College; M.A., Ph.D., University of Iowa.
- AARON BOHRD (1942) *Artist in Residence*
Graduate, Chicago Art Institute; Art Students League, one year; Guggenheim Fellowship, two years.
On leave of absence, March, 1943. Temporarily serving as pictorial journalist with *Life* magazine.
- E. L. BORKON (1939) *Associate Professor of Physiology*
and Hygiene, Associate College Physician
B.S., Ph.D., M.D., University of Chicago.
Entered U. S. Armed Forces, January 5, 1942.
- HOWARD E. BOSLEY (1937) *Associate Professor of Education*
Director of the Library
B.Ed., Southern Illinois Normal University; M.A., Teachers College, Columbia University; course work completed for Ed.D., Columbia University.
- EMMA L. BOWYER (1912) *Professor of English, Head of Department*
A.B., A.M., University of Chicago.
Additional graduate work, University of Chicago, 1 year.
Associate Professor
- GEORGE BRACEWELL (1931) *Director, Rural Education*
B.Ed., Southern Illinois Normal University; A.M., University of Michigan; residence work for Ph.D. completed, University of Michigan.
- HARRY G. BRAINARD (1937) *Associate Professor of Economics,*
Head of Department
B.S., M.S., University of North Carolina; Ph.D., University of Illinois.
Entered Government Service, September, 1942.
- A. FRANK BRIDGES (1943) *Instructor, University High School*
B.Ed., Southern Illinois Normal University; M.A., University of Iowa.
- W. O. BROWN, A.B. (1914) *Professor,*
Superintendent of Rural Training Schools, Emeritus (1936)
- T. L. BRYANT (1918) *Assistant Professor of Commerce*
Head of Department
B.Ed., Southern Illinois Normal University; A.M., University of Iowa.

- V. A. BUBOLTZ (1937) *Assistant Professor of Commerce*
B.S., Iowa State Teachers College; M.A., Northwestern University.
Additional graduate work, Northwestern University, 1 semester.
Entered U. S. Armed Forces, April, 1944.
- WINIFRED BURNS (1939) *Assistant Professor of English*
A.B., M.A., University of Illinois. Bread Loaf School of English.
Additional graduate work, University of Chicago, 1 year.
- FRED CAGLE (1938) *Assistant Professor, Director of Museum*
B.Ed., Southern Illinois Normal University; M.S., Ph.D., University of Michigan.
Entered U. S. Armed Forces, August, 1943.
- DELIA CALDWELL, M.D. (1921) *Assistant Professor,
College Physician, Emerita (1935)*
- DOROTHY KELLAR CARTY (1941) *Instructor, Home Economics*
B.A., Maryville College; M.A., Colorado State College.
- ROBERT C. CASSELL (1938) *Associate Professor of Agriculture*
B.S., Iowa State College; M.S., University of Idaho; Ph.D., University of Minnesota.
Entered Government Service, July, 1943.
- STEWART C. CHANDLER (1940) *Consulting Entomologist*
B.S., in Agriculture, University of Wisconsin; Field Entomologist, Illinois Natural History Survey.
- W. G. CISNE (1916) *Professor, Director of Placements*
Graduate, Junior College, Southern Illinois Normal University;
Ph.B., University of Wisconsin; A.M., University of Chicago.
- LULU R. CLARK (1917) *Assistant Professor
Allyn Training School, Emerita (1940)*
- FRANK H. COLYER, (1897) *Professor of Geography,
Head of Department, Emeritus (1935)*
A.B., Indiana University; M.S. University of Chicago.
- VIRGINIA CONGREVE (1941) *Instructor, University High School*
B.A., M.A., Northwestern University.
- ELIZABETH A. COX (1920) *Assistant Professor of English*
A.B., A.M., University of Kansas.
Additional graduate work, 24 weeks.
- FLEMIN W. COX (1929) *Associate Professor of Geography*
A.B., A.M., University of Illinois.
Additional graduate work, 2 years.

- C. H. CRAMER (1931) *Associate Professor of History*
 A.B., B.S. in Ed., A.M., Ph.D., Ohio State University.
 Entered Government Service, September, 1942.
- WILLIAM P. DALLMANN (1936) *Associate Professor*
of Foreign Languages
 B.D., Yale University; M.A., Ph.D., Washington University.
- DOROTHY R. DAVIES (1939) *Associate Professor of Physical*
Education for Women
 B.S., University of Cincinnati; M.A., Teachers College, Columbia
 University; Ed.D., University of Cincinnati.
- J. CAREY DAVIS (1930) *Associate Professor of Foreign Languages*
 B.Ed., Southern Illinois Normal University; Sorbonne, 1 summer;
 A. M., Ph.D., University of Chicago.
- FLORENCE E. DENNY (1929) *Assistant Professor of Physiology*
and Hygiene, School Nurse
 B.Ed., Southern Illinois Normal University; graduate, School of
 Nursing, Beth-El Hospital, Colorado Springs; M.A., Teachers
 College, Columbia University.
- VINCENT G. DIGIOVANNA (1929) *Associate Professor*
of Physical Education for Men
 B.P.E., Springfield College; M.A., New York University; Ph.D.,
 New York University.
 Entered U. S. Armed Forces, June, 1943.
- J. W. DILLOW (1934) *Assistant Professor of Rural Education*
 B.Ed., Southern Illinois Normal University; M.A., University of
 Illinois; residence work for D.Ed. completed, Teachers College,
 Columbia University.
 Entered U. S. Armed Forces, July, 1943.
- ROBERT W. ENGLISH (1940) *Assistant Professor*
of Industrial Education
 B.S., James Millikin University; M.A., University of Illinois.
 Additional graduate work, 1 year.
 Entered U. S. Armed Forces, March, 1944.
- MARY E. ENTSMINGER (1922) *Associate Professor*
Allyn Training School
 Graduate, Junior College, Southern Illinois Normal University;
 Ph.B., University of Chicago; M.A., Teachers College, Columbia
 University.
- FRANCES D. ETHERIDGE (1925) *Assistant Professor of*
Physical Education for Women, Head of Department
 A.B., B.S., University of Illinois; M.A., Ohio State University.
 Entered U. S. Armed Forces, June, 1943.

- ROBERT DUNN FANER (1930) *Associate Professor of English*
A.B., Allegheny College; M.A., University of Iowa; residence
work for Ph.D. completed, University of Pennsylvania.
Entered U. S. Armed Forces, April 24, 1942.
- JEAN FLIGOR (1941) *Instructor, Rural Training School*
B.Ed., Southern Illinois Normal University; M.A., Northwestern
University.
Entered U. S. Armed Forces, April, 1944.
- ELBERT FULKERSON (1932) *Assistant Professor,*
University High School
B.Ed., Southern Illinois Normal University; M.A., University
of Illinois.
- WILLARD M. GERSBACHER (1936) *Associate Professor of Zoology,*
Head of Department
B.Ed., Southern Illinois Normal University; A.M., Ph.D., Uni-
versity of Illinois.
- M. ALBERTA GIBBONS (1921-3; 1928) *Assistant Professor,*
University High School
A.B., University of Illinois; A.M., Columbia University.
Additional graduate work, University of Chicago, Northwestern
University, 14 semester hours.
- WANDA NEWSUM GUM (1916-22; 1935) *Assistant Professor of*
Sociology, Assistant Dean of Women
B.Ed., Southern Illinois Normal University; M.A., Washington
University; Ed.D., New York University.
- DILLA HALL (1924) *Assistant Professor*
Dean of Boys, University High School
B.Ed., Southern Illinois Normal University; M.S., University of
Chicago; residence work for Ph.D. completed, St. Louis Uni-
versity.
- EMERSON HALL (1929) *Associate Professor of Rural Education*
B.Ed., Southern Illinois Normal University; M.S., University of
Michigan; Ph.D., George Peabody College for Teachers.
- HAL HALL (1936) *Associate Professor,*
Superintendent of Campus Laboratory School
B.Ed., Southern Illinois Normal University; M.B.A., Northwest-
ern University; Ed.D., New York University.
- GOLDA D. HANKLA (1938) *Instructor, Librarian*
B.Ed., Southern Illinois Normal University; M.A., B.S., in L.S.,
University of Illinois.
- J. W. HARRIS (1939) *Associate Professor of English*
B.S., M.A., Ph.D., University of Illinois.

- REBA HARTLEY (1942) *Instructor, Physiology and Hygiene*
 B.S. in Nursing, Washington University; M.S. in Public Health,
 University of Minnesota.
 On leave of absence, field work with Red Cross, January, 1943.
- MARIE A. HINRICHS (1935) *Professor of Physiology and Hygiene,*
Head of Department, College Physician
 A.B., Lake Forest College; Ph.D., University of Chicago; M.D.,
 Rush Medical College.
 Additional graduate work, 14 summers.
- RUTH HUSBAND (1929) *Assistant Professor, Allyn Training School*
 B.S., A.M., University of Illinois.
 Additional graduate work, 19 semester hours.
- LEONARD J. KEEFE (1940) *Instructor, University High School*
 B.Ed., Illinois State Normal University; M.A., Colorado State
 College of Education.
 Entered U. S. Armed Forces, September, 1943.
- THELMA L. KELLOGG (1929) *Associate Professor of English*
 B.A., M.A., University of Maine; A.M., Ph.D., Radcliffe College.
 Additional graduate work, Oxford University, 1 summer.
 Leave of absence, 1944-45.
- FLORENCE R. KING (1911) *Instructor, Allyn Training School,*
Emerita (1936)
- GRACE E. KITE (1941) *Instructor, Librarian*
 B.S., Northwestern University; M.A., Teachers College, Columbia
 University; B.S., in L.S., Library School, University of Illinois.
- EDITH SMITH KRAPPE (1929) *Assistant Professor of English*
 A.B., A.M., University of Iowa.
 Additional graduate work, 37 semester hours.
- ANNEMARIE E. KRAUSE (1930) *Assistant Professor of Geography*
 B.S., University of Minnesota; M.S., University of Illinois.
 Residence work for Ph.D. completed, University of Chicago.
- JUDSON T. LANDIS (1939) *Associate Professor of Sociology,*
Acting Head of Department
 A.B., Greenville College; A.M., University of Michigan, Ph.D.,
 Louisiana State University.
- DOUGLAS E. LAWSON (1935) *Associate Professor of Education*
 A.B., M.A., Colorado State Teachers College; Ph.D., University of
 Chicago.
- E. G. LENTZ (1914) *Professor of History, Dean of Men*
 A.B., Indiana University; A.M., University of Illinois.
- AUDREY HILL LINDSEY (1941) *Instructor, University High School*
 B.Ed., Southern Illinois Normal University; M.S., University of
 Michigan.
 Additional graduate work, 1 summer.

- LELAND P. LINGLE (1927) *Associate Professor of Physical Education, Acting Head of Department*
B.Ed., Southern Illinois Normal University; M.A., University of Iowa.
Additional work, one year.
- C. C. LOGAN (1923) *Assistant Professor, University High School*
B.S., University of Illinois.
Additional graduate work, University of Illinois, 3 semester hours.
- WILLIS E. MALONE (1941) *Instructor, Rural Training Schools*
B.Ed., Southern Illinois Normal University; M.A., Northwestern University.
Additional graduate work, 1 summer.
- WILLIAM M. MARBERRY (1939) *Assistant Professor of Botany*
B.Ed., Southern Illinois Normal University; M.A., University of Illinois.
Additional graduate work, 1½ years.
Entered U. S. Armed Forces, January 30, 1942.
- WENDELL MARGRAVE (1929) *Assistant Professor of Music*
B.Ed., Southern Illinois Normal University; A.M., University of Chicago; Ph.D., Cornell University.
Entered U. S. Armed Forces, August, 1943.
- GLENN MARTIN (1938) *Associate Professor of Physical Education for Men*
B.Ed., Southern Illinois Normal University; M.A., University of Iowa.
- HELEN E. MATTHES (1920) *Instructor in Music*
Chicago Musical College, 1 year, 1 summer; Bohlman School of Music, 1 summer.
Leave of absence for special work in music, 1944-45.
- JOHN R. MAYOR (1935) *Professor of Mathematics, Head of Department*
B.S., Knox College; M.A., University of Illinois; Ph.D., University of Wisconsin.
- CHARLES ROCKWELL MCCREIGHT (1938) *Instructor in Education, Director of Physical Plant*
A.B., M.A., University of Illinois.
Entered U. S. Armed Forces, October, 1943.
- W. C. McDANIEL (1939) *Associate Professor of Mathematics*
B.S., Kansas State College, M.Ph., Ph.D., University of Wisconsin.
- EDWARD C. McDONAGH (1940) *Assistant Professor of Sociology, Coordinator of Regional Planning for the College*
A.B., A.M., Ph.D., University of Southern California.
Entered U. S. Armed Forces, April, 1944.

- DAVID S. McINTOSH (1927) *Associate Professor of Music,
Head of Department*
B.M.E., Northwestern University; M.A., University of Iowa.
Additional graduate work, 1 year.
- ELSIE PARRISH McNEILL (1933) *Instructor, Rural Training Schools*
B.Ed., Southern Illinois Normal University; M.A., University of Illinois.
- EDWARD V. MILES, JR. (1919) *Associate Professor of Economics,
Business Manager*
B.Ed., Southern Illinois Normal University; M.A., St. Louis University.
Additional graduate work, 1 year.
- SINA M. MOTT (1936) *Assistant Professor, Allyn Training School*
A.B., Iowa State Teachers College; M.A., Ph.D., New York University.
- R. E. MUCKELROY (1911) *Professor of Agriculture,
Head of Department*
B.S., University of Illinois; M.S., University of Wisconsin.
- DOROTHY M. MUZZEY (1928) *Assistant Professor of Physical
Education for Women*
B.A., Iowa State Teachers College; A.M., University of Illinois.
Leave of absence for graduate study, 1944-45.
- J. W. NECKERS (1927) *Professor of Chemistry,
Head of Department*
A.B., Hope College; M.S., Ph.D., University of Illinois.
- JULIA NEELY (1926) *Associate Professor of English*
A.B., A.M., Washington University.
Additional graduate work, 2½ years.
- SUSIE OGDEN (1931) *Assistant Professor of Commerce*
B.Ed., Southern Illinois Normal University; M.A., University of Illinois.
Additional graduate work, 32 hours.
- CHARLES J. PARDEE (1929) *Assistant Professor of History*
A.B., Hiram College; B.D., Union Theological Seminary; A.M., University of Chicago.
Additional graduate work, 1 year.
- JOHN B. PARRISH (1939) *Assistant Professor of Economics*
A.B., Ph.D., University of Illinois.
Entered Government Service, August, 1942.
- DOUGLAS F. PARRY (1942) *Instructor*
B.A., M.A., University of Utah; Ph.D., Syracuse University.
Entered U. S. Armed Forces, April 28, 1943.
- RACHAEL ANNE PARRY (1943)
Graduate, Oswego State Normal School, Oswego, N. Y.; B.S., M.S., Syracuse University; residence requirement for Ph.D. completed, Syracuse University.

- CHARLES PATERSON (1939) *Assistant Professor, Training School*
 B.Ed., Southern Illinois Normal University.
 Additional work, Carnegie Conservatory of Music. Dunfermline, Scotland; Chicago Conservatory of Music (Violin Diploma); Cincinnati Conservatory of Music (Public School Music Diploma).
- VERA LOUISE PEACOCK (1930) *Professor of Foreign Languages,*
Head of Department
 A.B., A.M., Ph.D., Cornell University.
 Two years foreign study.
- LOUIS PETROFF (1942) *Assistant Professor of Sociology*
 B.A., University of Wisconsin; M.A., Ph.D., University of Southern California.
- WILLIAM NEAL PHELPS (1941) *Associate Professor,*
University High School
 B.Ed., Southern Illinois Normal University; M.A., University of Illinois. Ed.D., Colorado State College of Education, Greeley, Colorado.
- LLOYD J. PHIPPS (1941) *Instructor, University High School*
 B.S., M.S., University of Illinois.
- J. M. PIERCE, A.B., A.M. (1892-4; 1899) *Associate Professor of*
German, Emeritus (1935)
- ESTHER M. POWER (1929) *Associate Professor of English*
 A.B., Colby College; A.M., Columbia University; B.A., (Honors), M.A., Oxford University; Ph.D., University of Chicago.
 Entered Government Service, February, 1943.
- J. R. PURDY (1929) *Associate Professor of Mathematics*
 B.S., M.A., Kenyon College; Ph.D., University of Illinois.
- TED R. RAGSDALE (1925) *Professor of Education*
 B.Ed., Southern Illinois Normal University; M.A., University of Illinois; Ph.D., St. Louis University.
- VICTOR RANDOLPH (1935) *Assistant Professor of Education*
 B.Ed., Southern Illinois Normal University; A.M., Teachers College, Columbia University; Ph.D., George Peabody College for Teachers.
 Entered U. S. Armed Forces, July, 1943.
- EVELYN DAVIS RIEKE (1937) *Instructor*
Dean of Girls, University High School
 B.S., A.M., University of Illinois.
- LULU D. ROACH (1930) *Assistant Professor of Art*
 Graduate, Southern Illinois Normal University; Ph.B., University of Chicago; University of Chicago, 1 $\frac{1}{4}$ years; Fine Arts School, Washington University, 1 semester; Washington University, 1 year.

- RACHEL E. ROAD (1943) *Instructor, Librarian*
A.B., Manchester College; B.S. in L.S., Library School, University of Illinois.
- ORA ROGERS (1928) *Assistant Professor, Allyn Training School*
B.Ed., Southern Illinois Normal University; A.M., University of Illinois.
- DOROTHY H. ROLENS (1943) *Instructor, Commerce*
B.S., Southwest Missouri State Teachers College; M.A., University of Missouri.
- HOMER C. ROSE (1941) *Instructor in Industrial Education*
B.S., Stout Institute; M.S., Iowa State University.
Additional graduate work, New York University, 2 summers.
Entered U. S. Armed Forces, 1944.
- WILLIAM B. SCHNEIDER (1936) *Associate Professor of English*
A.B., A.M., University of Illinois; Ph.D., University of Chicago.
- J. HENRY SCHROEDER (1923) *Professor of Industrial Education, Head of Department*
B.Ed., Southern Illinois Normal University; M.S., University of Iowa.
- MARTHA SCOTT (1929) *Assistant Professor of Zoology*
A.B., Park College; M.S., University of Chicago.
Additional graduate work, 3 years.
- R. A. SCOTT (1923) *Professor of Chemistry*
B.S., M.S., Ph.D., University of Illinois.
- MELVIN J. SEGAL (1937) *Assistant Professor of Economics, Acting Head of Department*
A.B., Amherst College; M.A., Ph.D., University of Illinois.
- SHELBY S. SHAKE (1944) *University High School*
B.S., Indiana State Teachers College; M.S., Indiana University.
- MARJORIE SHANK (1923) *Associate Professor of Geography, Registrar*
A.B., University of North Dakota; A.M., Clark University.
Additional graduate work, 1 year.
- BURNETT H. SHRYOCK (1935) *Associate Professor of Art Head of Department*
A.B., University of Illinois; M.A., Teachers College, Columbia University.
Additional graduate work, American Academy of Art and the Chicago Art Institute, 2 years.
- ESTHER SHUBERT (1940-42, 1943) *Instructor, Librarian*
B.Ed., Eastern Illinois State Teachers College; B.S. in L.S., M.S., University of Illinois.
- GEORGE W. SMITH (1890) *Professor of History, Emeritus (1935)*

- GLADYS L. SMITH (1931) *Assistant Professor
University High School*
B.Ed., Southern Illinois Normal University; M.A., Teachers College, Columbia University; residence work for Ph.D. completed, University of Iowa.
- MADELEINE M. SMITH (1929) *Assistant Professor
of Foreign Languages*
A.B., A.M., Northwestern University.
Additional graduate work, Sorbonne, University of Chicago, Middlebury College French School, 1 year.
Entered Government Service, April, 1943.
- MAE TROVILLION SMITH (1919-1931; 1943) *English*
A.B., A.M., Indiana University.
Additional graduate work, four semester hours.
- MARY M. STEAGALL, Ph.D. (1908) *Professor of Zoology,
Head of Department, Emerita (1938)*
- HILDA A. STEIN (1925) *Associate Professor of Zoology*
B.Ed., Southern Illinois Normal University; M.S., University of Illinois.
Additional graduate work, 2 years.
- CHARLES H. STINSON (1943) *Assistant Professor of Agriculture*
B.S., M.S., Ph.D., University of Illinois.
- MARJORIE W. STULL (1942) *Instructor, Librarian*
B.Ed., Southern Illinois Normal University; B.S. in L.S., University of Illinois.
Additional work, 1 year.
- WILLIS G. SWARTZ (1930) *Professor of Government
Head of Department*
B.A., M.A., Ph.D., University of Iowa.
Additional graduate work, Clark University, 1 year.
- HARLEY R. TEEL (1935) *Assistant Professor, Principal of
Brush Training School*
B.Ed., Southern Illinois Normal University; A.M., University of Illinois.
Additional graduate work, 1 year.
- CHARLES D. TENNY (1931) *Professor of English and Philosophy*
A.B., Gooding College; A.M., Ph.D., University of Oregon.
- WELLINGTON A. THALMAN (1929) *Professor of Education*
A.B., Ellsworth College; A.M., Ph.D., Cornell University.
Additional graduate study, Child development, University of Chicago, 1 year.
- MADLYN SCOTT TREECE (1937-38; 1940) *Instructor,
Allyn Training School*
B.Ed., Southern Illinois Normal University; M.A., University of Chicago.

- MADGE TROUT (1924) *Assistant Professor, University High School*
 B.Ed., Southern Illinois Normal University; A.M., University of Chicago.
 Additional graduate work, 24 semester hours.
- EMERSON S. VAN CLEAVE (1938) *Instructor in Music*
 B.M., DePauw University; M.S. in Education, Indiana State Teachers College.
- K. A. VAN LENTE (1931) *Associate Professor of Chemistry*
 A.B., Hope College; M.S., Ph.D., University of Michigan.
- JOSEPH VAN RIPER (1939) *Assistant Professor of Geography*
 A.B., University of Michigan; A.M., Syracuse; Ph.D., University of Michigan.
 Entered Government Service, June, 1942.
- RUBY VAN TRUMP (1928) *Assistant Professor, Allyn Training School*
 B.S. in Education, Southwest Missouri State Teachers College;
 A.M., George Peabody College for Teachers.
- FLOYD V. WAKELAND (1939) *Assistant Professor of Music*
 B.Mus., Illinois Wesleyan University; M.Mus., Bush Chicago Conservatory.
 Additional graduate work, eminent vocal teachers and choral conductors, six summers.
- F. G. WARREN (1913) *Professor of Education, Head of Department*
 A.B., McKendree College; A.M., University of Chicago; residence work for Ph.D. completed, St. Louis University.
- RICHARD E. WATSON (1940) *Assistant Professor of Physics and Astronomy*
 B.Ed., Southern Illinois Normal University; M.A., Ph.D., University of Illinois.
 Entered U. S. Armed Forces, 1943.
- WALTER B. WELCH (1938) *Associate Professor of Botany*
 A.B., Wabash College; M.S., Ph.D., University of Chicago.
- FLORENCE A. WELLS (1927) *Assistant Professor, University High School*
 B.Ed., Southern Illinois Normal University; A.M., University of Illinois.
- GLADYS POTTER WILLIAMS, M.A. (1917) *Professor of Art, Head of Department, Emerita (1942)*
- LUCY K. WOODY (1911) *Professor of Home Economics, Head of Department, Dean of Women*
 B.S., M.A., Teachers College, Columbia University.

- ALICE KELSEY WRIGHT (1925) *Assistant Professor of Mathematics*
A.B., Indiana University; A.M., University of Illinois.
- JOHN I. WRIGHT (1925) *Associate Professor of History*
Ph.B., A.M., University of Chicago.
Additional graduate work, 1 semester.
- O. B. YOUNG (1929) *Professor of Physics and Astronomy,*
Head of Department
A.B., Wabash College; A.M., Ph.D., University of Illinois.
- CHARLOTTE ZIMMERSCHIED (1927) *Assistant Professor of Physics*
and Astronomy
A.B., A.M., University of Minnesota.
Additional graduate work, 1 year.

Assistants

- JOHN ALLEN (1942) *Faculty Assistant, Museum*
- CORNELIA L. BEACH (1937) *Purchasing Agent*
B.Ed., Southern Illinois Normal University.
- BETH BRUCE (1944) *Executive Assistant in Administration*
B.Ed., Southern Illinois Normal University.
- JOSEPHINE ALEXANDER CAGLE (1943) *Faculty Assistant, Museum*
- AILEEN DAVIS (1944) *Faculty Assistant*
- LUCILE ETHEERTON (1943) *Bursar*
- *MAE L. FOX (1924) *Instructor, Brush Training School*
B.Ed., Southern Illinois Normal University; M.A., Teachers College, Columbia University.
Additional graduate work, 1 semester.
- WILLIAM FREEBERG (1942) *Faculty Assistant*
B.Ed., Southern Illinois Normal University.
- *TINA GOODWIN (1925) *Instructor, Brush Training School*
B.Ed., Southern Illinois Normal University; M.A., Teachers College, Columbia University.
Additional graduate work, 1 year.
- RUBY PRICE HENDERSON (1942) *Rural Education*
B.Ed., Southern Illinois Normal University.
- MABEL PENRY HOWELL (1939) *Chief Accountant*
B.Ed., Southern Illinois Normal University.

* Responsibility as to employment and salary divided between local board and S. I. N. U.

- WANDA RUTH KIEL (1943) *Faculty Assistant*
B.Ed., Southern Illinois Normal University.
- MABEL LANE (1943) *Rural Education*
B.Ed., Southern Illinois Normal University.
- NAOMI MANERING (1942) *Faculty Assistant*
R.N., Holden Hospital School of Nursing.
- *MAUDE MAYHEW (1924) *Instructor, Brush Training School*
Ph.B., University of Chicago; M.A., Teachers College, Columbia University.
- *ELIZABETH MEEHAN (1941) *Rural Education*
B.Ed., Southern Illinois Normal University; M.A., University of Illinois.
- LOUISE PAIN (1941) *Fine and Applied Arts*
Four-year Diploma, School of the Art Institute of Chicago.
- VERNA PORTER (1943) *Auditor*
- CARL TROBAUGH (1942) *Manager of the Book Store*
- *JEWELL TRULOVE (1930) *Instructor, Brush Training School*
B.Ed., Southern Illinois Normal University; M.A., Teachers College, Columbia University.
- JEAN VAUPEL (1944) *Faculty Assistant*
B.S. in Ed., Southern Illinois Normal University.
- *GRACE WILHELM (1924) *Instructor, Brush Training School*
B.Ed., Southern Illinois Normal University; M.A., Teachers College, Columbia University.

* Responsibility as to employment and salary divided between local board and S. I. N. U.

GENERAL INFORMATION

Terms of Admission and Advanced Standing

Graduates of any recognized four-year high school or academy with fifteen units of secondary work may be admitted to any curriculum. The recognized schools of Illinois are listed in the School Directory, published annually by the Office of the Superintendent of Public Instruction. A graduate of a high school outside of the State may be admitted to Southern Illinois Normal University if the high school is accredited by the university of the state in which it is located. Persons under twenty-one years of age may not be admitted to the College without high-school graduation.

A student with an incomplete high-school record may complete admission requirements by passing entrance examinations in a sufficient number of subjects to complete 15 units. Application for such examinations should be made to the Principal of University High School. A fee of one dollar is charged for each course in which a student is examined.

High school students who are on an accelerated program and are graduated from the high school with fourteen units or more and are recommended for college by the high school may enter with only the fourteen units.

A person who has attended another college or university must present a complete transcript of his record and a statement of good standing before he may be admitted to Southern Illinois Normal University. He is not eligible for admission if he has an average below C. A statement of advanced standing will be given in advance in case the student is from a college which is a member of the regional accrediting agency or the American Association of Teachers Colleges.

Not more than one-fourth of the credit submitted for graduation may be made by correspondence and extension combined. Correspondence credit is accepted from members of the Association of American Universities. The final examinations in correspondence courses should be taken on this campus or at the university which offered the course. Credit is not accepted, however, if a student makes a grade lower than C.

Notice to New Students—All credentials must be filed in advance of registration.

Graduation

Every candidate for graduation should file application with the Registrar not later than the beginning of the spring term.

Each candidate should have his record checked at least one quarter before the date of his expected graduation.

Formal graduation exercises are held but once a year, at the close of the spring quarter. Students who can complete their work by the close of the summer session are included with the June graduates, though the degree is not actually conferred until the work is completed. For details concerning the requirements see pages 36 to 39.

A five-dollar graduation fee must be paid at the time of application. This fee includes the diploma, cap and gown rental, Commencement invitations, and alumni dues.

Course Numbers

The course numbering system is as follows:

100-199.....	freshman courses
200-299.....	sophomore courses
300-399.....	junior and senior courses
400-499.....	senior and graduate courses
500 and above.....	graduate courses

Unit of Credit

A quarter hour represents the work done by a student in a course pursued for a term of twelve weeks, one hour a week, and, in the case of the laboratory courses, the usual additional time. It is equivalent to two-thirds of a semester hour.

Any change of grade, such as completing an N.C., must be made within a year after the close of the term in which the course was taken. A fee of one dollar is charged for the completion of a course marked N.C., unless the student presents a certificate from the college physician. A complete record of all changes in grades appears on the official transcript. Students who for some reason must miss a final examination should not request an early examination. An N.C. should be recorded by the instructor, and the final examination taken at a later date, some time within a year.

Schedule of Periods

Each class period is fifty minutes in length. Following is the schedule for the regular school year, War time:

1st hour.....	8:00- 8:50	6th hour.....	1:00-1:50
2nd hour.....	9:00- 9:50	7th hour.....	2:00-2:50
3rd hour.....	10:00-10:50	8th hour.....	3:00-3:50
4th hour.....	11:00-11:50	9th hour.....	4:00-4:50
5th hour.....	12:00-12:50		

No classes are scheduled to meet Tuesday, the third hour, the regular University assembly period.

Scholarship

Grades are expressed in letters as follows:

A, Excellent	5 grade points
B, Good	4 grade points
C, Fair	3 grade points
D, Poor, but passing.....	2 grade points
E, Failure	1 grade point
Fld, Failing at time of withdrawal within term, course not completed	1 grade point
N.C., Passing at time of withdrawal but course not completed.	

Students regularly carry 15 to 17 hours of work. Those desiring to carry more than 18 hours must secure permission from Mr. Warren, Head of the Education Department. If a student has an A-B average, or a grade-point average above 4.0, he may register for a maximum of 20 hours of work.

Before a student may be graduated, he must have a 3.0 average. This same average is required in his major subject and as a prerequisite for practice teaching. At least three-fourths of the credits counted for the degree must be C or better.

Any student whose grade-point average falls below 2.75 is automatically placed on probation. He must attain a 3.0 average the succeeding term in order to have the probationary status removed.

A freshman who fails to make the required average will be on probation through the second and third quarters, but must have at least a 2.75 average by the end of the freshman year in order to be admitted to the sophomore year. He should have a 3.0 average by the close of the sophomore year.

Students must remove deficiencies as shown by the freshmen tests before the end of the sophomore year. The deficiency may be removed by passing a college credit course, by taking a remedial course, or by passing another freshman test or a special test given by the testing bureau.

Any student who feels he has justifiable reasons for not having fulfilled the general scholarship requirement may present his case to the Dean of Men or the Dean of Women, who in turn may refer him to the Scholarship Committee for reinstatement.

A student having less than a 3.0 average who wishes to attend with no possibility of securing a certificate or diploma may do so upon the approval of the Scholarship Committee.

Any student who has attended another college or university and has an average below C is not eligible for admission to Southern Illinois Normal University. Any student may appeal his case to the President or the Scholarship Committee for permission to register.

In recognition of high scholarship, an Honors Day Convocation is held each spring. Candidates for the bachelor's degree who have maintained a grade-point average of 4.25 or more for all of their work through the winter term of their senior year receive honor pins. In the case of a transfer student, he must have entered Southern Illinois Normal University by the beginning of the Junior year and have maintained the 4.25 average. A number of students in the Junior class in the College of Education are elected each year to Kappa Delta Pi, National Honor Society in Education.

For information concerning Honors courses open to high-ranking students, see page 39.

Graduating seniors are recognized at Commencement time on the graduation program, and the diplomas designate honors granted on the following basis:

Highest Honors.	Point average of 4.90 or higher
High Honors.	Point average of 4.75-4.89
Honors.	Point average of 4.50-4.74

Expenses

The State Teachers College Board has established uniform registration and student activity fees to be paid by students enrolled in any of the State Teachers Colleges of Illinois. This applies to all freshmen and sophomores and to all undergraduate students in the College of Education.

Schedule of fees for a term of three months:

Registration fee.....	\$10.00
Student activity fee.....	5.00
Book rental fee.....	2.50
Total	
	\$17.50

In addition to these there is a federal tax of about 25c a term.

Juniors and seniors in the College of Liberal Arts and Sciences and the College of Vocations pay a registration fee of \$20.00 instead of \$10.00, making a total of \$27.50. A student who takes his degree in one of these colleges must have registered there the last two years or pay back tuition.

Graduate student fees include the registration fee of \$10.00, student activity fee of \$5.00, and a matriculation fee of \$5.00.

All students holding State scholarships and registered in the College of Education and all students holding military scholarships are exempt from the registration fee.

The general activity charge includes the fee for limited hospitalization, entertainment, athletics, *The Obelisk*, *The Egyptian*, and such other activities as the Council of Administration shall set up.

A registration fee of \$2.00 a quarter hour is charged for extension and part-time students, but none of the activity benefits are included.

Additional special fees include the following:

Late Registration fee.....	\$ 1.00
Chemistry Laboratory Breakage Deposit....	1.00
Botany 101 Laboratory Breakage Deposit....	2.00
Private Music Courses, 1 lesson a week.....	12.00
Completion of N.C.....	1.00
Graduation	5.00

Additional fees are charged for library fines, breakage, failure to report for physical examination, etc. The first transcripts of college records are furnished free, provided the student has fulfilled all his financial obligations to the College. There is a charge of \$1.00 for each additional transcript.

Refund of Fees

Students withdrawing from the College within ten days after the beginning of the term may secure a full refund of all fees. In order to receive this, a student must make application to the Business Office within ten days following the last day of the regular college registration period. No refunds are made after that time.

Awards, Benefits and Loans

State Scholarships—*Normal School Scholarships* are awarded each year through the Office of the State Superintendent of Public Instruction to graduates of recognized Illinois high schools in the order of the rank of the student, beginning with the highest in rank, and with the proviso that the recipient signify his intention to teach. These scholarships, which are acceptable at any Illinois teachers college, exempt the holders from the payment of the registration fee, which amounts to thirty dollars a year, or a total of \$120. The *Lindley Scholarships*, which have not been awarded since 1935, are still honored as long as the students have not used them the four years or to the total value of \$120 each. Holders of these scholarships must register in the College of Education.

The *Illinois Educational Benefit Act* provides academic fees, board, room, book rental, and supplies for children in the State of Illinois of veterans of World War I or II who were killed in action after December 1, 1941, or who died from other causes in World War I or World War II. The maximum allowance is \$150 a year. Orphans of Soldiers, Sailors, and Marines who are not less than sixteen or more than twenty-two years of age are eligible to receive these benefits. Applications should be made to Mr. Frank G. Thompson, Director of the Department of Registration and Education, Springfield, Illinois.

For information as to Military Scholarships and rehabilitation, see "Opportunities for Ex-Service Personnel."

Vocational Rehabilitation—Under the State Board for Vocational Education is a division for the vocational rehabilitation and placement in remunerative employment of persons whose capacity to earn a living is or has been impaired. This will include those with physical handicaps of various kinds. Approved students receive all registration and tuition fees, book rental, and school supplies for nine months a year.

A maximum loan of \$35 from the *College Loan Fund* is available to any student who has established a satisfactory record for at least one term. This fund is controlled by the Business Manager, Dean of Women, and Dean of Men.

A *Student Investment Fund* has been created by the *Carbondale Rotary Club* for the benefit of S. I. N. U. senior men who may be in urgent need of money for the completion of their college course. Loans are available in units of \$30 per term and repayable without interest within five months after the applicant has secured gainful occupation. Selection of applicants is based upon financial need, character, scholastic standing, and qualities of leadership.

The *Carbondale Lions Club* has made available through its *Student Loan Fund* financial aid sufficient to pay the tuition of four male students for each term of the regular school year. These loans are made without interest for a period not exceeding one year. The recipient need not be a senior, but must signify his intention to secure employment not later than the September following the date of the loan.

The Charles Neely Scholarship Award. The local chapter of the American Association of University Professors awards annually a prize of \$25 to a member of the junior class who has a high scholastic average.

The Alpha Delta Chapter of Delta Sigma Epsilon sorority and its alumnae established the *Betty Rhodes Memorial Scholarship* of \$30 in the fall of 1937. It is awarded to a sophomore non-sorority girl having qualities of personality, leadership, and high scholastic standing.

The American Association of University Women has a loan fund of \$600, one hundred of which is called the *Elizabeth Martin Gift* to the A. A. U. W. Loan Fund. This money may be borrowed without interest the first year and after that at three per cent. Upperclassmen and graduate students have preference. Applications should be made to Minnette Barber.

Student Health Loan Fund. Loans may be made for the purpose of correcting remediable physical defects. For application blanks and further details, apply to the Student Health Service.

OPPORTUNITIES FOR EX-SERVICE PERSONNEL

State and Federal Assistance

State Scholarships for Veterans. Any person who served in the army, navy, or marine corps of the United States, not including members of the Students' Army Training Corps, during World War I or any time between September 16, 1940, and the termination of World War II who, at the time of entering upon such service, was a resident of this state, and who has been honorably discharged from such service, and who shall possess all necessary entrance requirements shall, upon application and proper proof, be awarded a Normal School Scholarship.

Any person who served as above stated, and who at the time of entering upon such service was a student at any State Normal School, and who was honorably discharged from such service shall, upon application and proper proof, be entitled to finish and complete his course of study at such institution without tuition and matriculation charges, but such person shall not be entitled to more than four years of gratuitous instruction.

Federal Assistance. Public Law No. 16 provides vocational rehabilitation for any person in service after December 6, 1941, and before the close of the war, who is honorably discharged and in need of rehabilitation. Support for such rehabilitation may be given for as many as four years of work. Benefits are available under this act only if application is made within two years after injury or aggravation of injury. Applicants for this service should write to the Veterans' Administration, Hines, Illinois for further information.

As this bulletin goes to press, a number of proposals for veterans' rehabilitation and education are before the Congress of the United States. These proposals concern future training at approved educational institutions for soldiers, sailors, and marines of World War II.

Persons interested should acquaint themselves with the opportunities available by consulting the Registrar before the time of registration.

Southern Illinois Normal University is deeply interested in offering all possible aid to returning service-men. The Veterans' Service Bureau, cooperating with the various departments, will make every effort to see that veterans receive every opportunity for specialized training. Plans are under way for setting up an advisement center on Southern Illinois Normal University campus and for carrying a full program of aptitude and other testing.

Programs of Study for War Veterans

The University offers programs of study in three colleges: four-year courses in the College of Liberal Arts and Sciences, leading to the degree of Bachelor of Arts or Bachelor of Science, and opening the door to many professions; four-year or five-year courses in the College of Education, leading to the degree of Bachelor of Science in Education or Master of Science in Education, and enabling the graduate to teach in the elementary and high schools; and short courses or four-year courses in the College of Vocations, not necessarily leading to degrees. Typical fields of employment for which the University trains are such as these:

Agriculture:

General farming.

Chemistry:

Industrial Positions. (An industrial chemist requires about two years of study.)

Commerce:

Typist; stenographer; secretary; court reporter; accountant; inventory or stock clerk; salesman; office manager.

Economics:

Government positions.

Education:

Programs of study to prepare for teaching any grade or any high school subject.

Fine and Applied Arts:

Professional art; ceramics; weaving; advertising art.

Foreign Language:

Translator; foreign representative of business house; government representative; secretary of foreign correspondent.

Geography and Geology:

Government positions (meteorologist, for instance) in Departments of Agriculture, Commerce, and State.

Government:

Government positions.

Home Economics:

Dressmaking; cooking; dietetics; interior decorating.

Industrial Education:

Machinist; engine lathe operator; draftsman.

Mathematics:

Scientific positions necessitating a knowledge of higher mathematics—statisticians, for instance.

Music:

Professional musician.

Physics:

Government and industrial positions.

Physiology and Health:

Dietitians for hospitals, doctors' assistants and hospital orderlies, public health and public school nurses, physical therapy aids, laboratory technicians and hospital aids.

Pre-Professional Study:

For dentistry, engineering, law, medicine, nursing, pharmacy, social work.

Sociology:

Social work (Graduates of this curriculum are qualified to take the merit examination for social work in Illinois.)

Zoology:

Technicians in bacteriology.

College Credit for Military Service

Southern Illinois Normal University is following the policies recommended by the American Council on Education relative to college credit for military experience and for experience in civilian activities related to the war.

Credit not to exceed twelve quarter hours may be granted to an individual for the basic training course ordinarily consisting of thirteen weeks in the Armed Forces. This credit is to be assigned to physical education, hygiene, military training or electives. If a student already has credit in these subjects, the amount will be somewhat less.

An individual may take the General Education Development examination given by the United States Armed Forces Institute, and may be considered for classification in the college indicated by his standing in the examination.

Upon completion of an extension course given by a recognized college or university in cooperation with the United States Armed Forces Institute, credit will be allowed in the usual manner.

Credit in subject matter fields may be allowed on the basis of examinations by the United States Armed Forces Institute.

Competence in technical or vocational fields may be demonstrated by examinations by the United States Armed Forces Institute, provided the fields correspond to the vocational and technical subjects for which credit is regularly granted on the campus. An individual

may take examinations also for credit in a subject field such as mathematics, physics, mechanics, or a foreign language, and secure appropriate credit.

Credit for specialized Army and Navy educational programs of college grade will be accepted on transcript from the office of the Registrar in the same manner as with regular civilian students.

Credit for military experience may be obtained only by regularly enrolled students and those who have been in attendance before entering the armed services.

Student Homes in Carbondale

Much of a student's success depends upon the conditions at his boarding and rooming place. He must have not only fresh air, pure water, wholesome food, even temperature, and good light in his study room, but also favorable conditions for study and for sleep.

A detailed set of regulations designed to protect the interests of householder and students alike is furnished to each householder and should be secured from the Dean of Men or the Dean of Women by each student. The Deans keep in touch regularly with the householders of all rooming places and cooperate with them.

The following four modes of living are practiced by the students:

1. Board and room in the same house. The cost of board and room is from \$6 to \$8 a week.
2. Rooms with light-housekeeping. Students who practice light-housekeeping are able to reduce their living expenses to a cost as low as \$4.25 a week.
3. Rooms without the privilege of light-housekeeping. Such rooms, two persons to the room, cost \$2 to \$2.50 per week per person.
4. Cooperatives. Under this plan, students have found that they get better meals, in some cases at lower cost, than under a light-housekeeping arrangement.

Except in unusual cases, the Committee believes that best results are secured when not more than two occupy a room. The student must secure permission from the Housing Committee or the Dean if he wishes to occupy a room as one of more than two people.

Many serious complications will be avoided if students will consult the Housing Committee before engaging rooms. Some houses now open to students are not recommended by the Committee.

Anthony Hall, residence hall for women, will be open for civilian use again the fall term. Applications for rooms should be sent to the Director of the Hall and must be accompanied by a reservation fee of five dollars to be applied on the first month's room and board.

The cafeteria, just across the highway from the campus, serves meals on a non-profit basis.

Student Social Life and Self-Government

Each year the student body elects members from each class to serve on the Student Council. The Council acts as a policy-making body for student activities, dealing with such problems as elections,

control of student publications, social functions, student health, and permanent improvements. Through the Council, members of the student body are appointed to serve on important standing committees of the College, thereby integrating student and administration points of view. The Council is active also in public affairs affecting the College.

Other student organizations include national and local professional fraternities, religious groups, literary societies, student cooperatives, social fraternities, departmental or special interest clubs, and honorary organizations. These are listed and described in detail in the Orientation Booklet issued to each student upon his first enrollment.

Student Religious Life

Students are urged to identify themselves at an early date after entering the University with some church of the city. It is assumed, of course, that the student will affiliate with the church to which he belongs at home, or with which he is most in sympathy as to doctrine and modes of worship.

While Southern Illinois Normal University is a non-sectarian institution, there are two religious foundations maintained by churches especially for students of various denominations. The foundations carry on extensive programs of social and educational activities, including some courses of study for which the University accepts credit toward graduation.

Student Publications

The student publications are the *Egyptian*, a weekly newspaper, and the *Obelisk*, a yearbook. The editors are student journalists appointed by the Student Council. Staff memberships are open on trial to all students.

Alumni Association

The Alumni Association is the general organization of the alumni of Southern Illinois Normal University. Any graduate or former student is invited to become a member. The *Southern Alumnus* is the quarterly publication of the Association. For information concerning the organization, please write to the Secretary of the Alumni Association, Southern Illinois Normal University.

Southern Illinois Normal University Foundation

At the meeting of the Teachers College Board on December 15, 1941, the Board approved the establishment of the Southern Illinois Normal University Foundation, a non-profit corporation affiliated with the College, authorized by law to receive gifts, buy and sell and administer property, and otherwise serve the College.

Under the constitution of the Foundation the Executive Committee of the Alumni Association appoints nine of the directors of the new Foundation; three are chosen from the membership of the Teach-

ers College Board; and the President of the College, and the chairman of the Teachers College Board are ex-officio members. This makes the total membership fourteen.

Mr. John D. Dill, Mr. Lindell Sturgis, and Mr. Preston Bradley are the representatives of the Teachers College Board. Dr. Percival Bailey, Chicago; Mr. Sherman Carr, Murphysboro; Mr. J. E. Ether-ton, Carbondale; Mr. Philo Gilbert, Chicago; Mrs. Margaret Browne Karraker, Jonesboro; Mr. John Stevenson, Philadelphia; Mr. Ed. Stot-lar, Marion; Mrs. Preston L. Wettaw, Eldorado; and Mr. John Page Wham, Centralia, are the members appointed by the Alumni Asso-ciation.

The Foundation has been chartered under the laws of the State of Illinois, and is ready to enter upon its work.

Wheeler Library

The University Library has 38,973 volumes exclusive of those in the training schools. In addition to this number, it has 4,976 public documents and 9,278 bound periodicals. The Library receives 663 periodicals.

The Library is open on school days from 7:45 A. M. to 10:00 P. M. except on Fridays, when it closes at 5:00 P. M. The Library is open Saturdays from 8:30 to 4:40. Special hours are announced for the summer term.

School Health Service

It is the province of the School Health Service to have general supervision of the health of the students. The physicians in charge have offices on the campus, and give each student an annual medical examination. The two physicians are assisted by three registered graduate nurses. A limited amount of hospitalization and medical care is provided for all resident students. Every effort is made to guard against the spread of communicable diseases in the school.

Bureau of Child Guidance

The Bureau of Child Guidance was established in 1936 for the primary purpose of aiding teacher education. With special aid and guidance given by the Illinois Institute of Juvenile Research, it has continued to expand its services to many communities and schools in Southern Illinois. The Bureau works in close cooperation with the State Department of Public Welfare including the Division for Delinquency Prevention, the State Division for Handicapped Chil-dren, the Division of Child Welfare, and the Illinois Children's Home and Aid Society, as well as with the different teacher-training units of the college, with executives and teachers of the public schools, judges, and with the parents of children who ask for assistance. Its personnel consists of faculty members from several different depart-ments of the University. The staff includes psychologists, clinicians,

social workers, medical doctors and nurses, specialists in diagnostic and remedial reading and mathematics, and experts from two of the divisions of the State Department of Public Welfare.

The objectives of the Bureau of Child Guidance are to aid teacher education; to aid the training school units in the study of individual children; to expand the studies of psychology and clinical psychology and to offer majors in these fields on both the under-graduate and graduate levels; to train some of the most capable students so they may accept positions as child technicians in public schools; to train students for positions as clinical technicians in state institutions; to examine and diagnose individual clinical cases which are brought here, and to aid teachers and parents in understanding the therapy that may be used; to arrange for traveling clinics to go out into the public schools; and to offer consultative services to public schools, county judges, and various civic organizations in different communities.

This University has the distinction of being the only institution within a rather large area having a Bureau of Child Guidance, although there are now more than eight hundred Child Guidance Clinics throughout the United States.

Specific information regarding prerequisites and descriptions regarding the courses as offered by the Bureau may be secured by writing to the Director of the Bureau of Child Guidance, Room 101-A Main Building.

Placements and Employment

The *Placements Office* is maintained as a service for students, former students, and graduates of the College who desire to find teaching positions. Public-school officials who have teaching vacancies to fill are assisted in finding well-qualified candidates.

The office is a member of the National Institutional Teacher Placement Association and of the Teacher Placement Association of Illinois Colleges and Universities.

The *Student Employment Service* is conducted to assist students to earn a part of their expenses, although it is impossible to guarantee work to every applicant. Prospective students who expect to earn any part of their expenses, and who do not have definite appointments to positions before coming to college, should have means of support for at least one term. Two programs of work are available: State and private.

State employment provides some part-time work in the following projects: clerical and stenographic work; assistance in offices, libraries, laboratories, the museum, and the engineering department; campus beautification; and research and economic surveys. Previously enrolled students who have proved their ability are usually chosen for these positions.

Private employment is sometimes secured by the students themselves, but requests for student help often come to the campus. These calls are continuous throughout the year and usually require im-

mediate placements. Students interested in this kind of work must register with the Student Employment Service at the beginning of each term.

Requests for application forms should be made to W. G. Cisne, Director of Student Employment. Each applicant is urged to call at the Student Employment Service for an interview and to learn about employment possibilities.

Extension Service

In keeping with the expanding functions of Southern Illinois Normal University, the Extension Service is planning to offer, as soon as practicable, extension courses for credit in the College of Liberal Arts and Sciences and the College of Vocations as well as in the College of Education. A maximum of one-fourth of the total number of credits required for graduation from any of these Colleges may be earned through extension work. Only courses that are also given in residence are offered on the extension basis; they carry the same credit as residence courses. All instructors of extension courses are members of the regular university faculty, and the work offered meets all the requirements of the American Association of Teachers Colleges and the North Central Association of Colleges and Secondary Schools.

The regular charge is \$2.00 per quarter hour of credit per person. Specific inquiries should be addressed to Dr. T. W. Abbott, Director of Extension.

Certification

A new certification law became effective July 1, 1943. It revises upward some of the former requirements. No one shall be certificated to teach in the common schools of this State who is not of good character, who is not of good health, who is not at least twenty years of age, and who is not a citizen of the United States. The following limited certificates will be issued:

First. A limited elementary school certificate shall be valid for four years for teaching in the lower nine grades of the common schools. It shall be issued to persons who have graduated from a recognized higher institution of learning with a bachelor's degree and with not fewer than one hundred twenty semester hours and with a minimum of sixteen semester hours in education, including five semester hours in student teaching under competent and close supervision. The academic and professional courses offered as a basis of the limited elementary school certificate shall be in elementary training courses approved by the State Examining Board. It shall be renewable in periods of four years upon successful teaching experience and professional growth.

Second. A limited kindergarten-primary certificate shall be valid for four years for teaching and supervising in the kindergarten and in the first, second and third grades of the common schools. It shall be issued to graduates of a recognized higher institution of learning with

a bachelor's degree and with not fewer than one hundred twenty semester hours including sixty semester hours of work in a recognized kindergarten-primary training school and with a minimum of sixteen semester hours in education, including five semester hours in student teaching under competent and close supervision. It shall be renewable in periods of four years upon successful teaching experience and professional growth.

Third. A limited special certificate shall be valid for four years for teaching and supervising the special subject or subjects named in the certificate in any and all grades of the common schools. It shall be issued to persons who have graduated from a recognized higher institution of learning with a bachelor's degree and with not fewer than one hundred twenty semester hours including a minimum of sixteen semester hours in education, five semester hours of which shall be in student teaching under competent and close supervision. The extent of training shall vary according to the subject and the minimum amount of training shall be determined by the State Examining Board. It shall be renewable in periods of four years upon successful teaching experience and professional growth.

These three certificates shall also be issued upon a successful examination to applicants who have completed sixty semester hours of work in training courses in a recognized higher institution of learning including ten semester hours in education, five semester hours of which shall be in student teaching. The examination shall include such subjects as may be prescribed by the State Examining Board.

Fourth. A limited vocational certificate shall be valid for four years for teaching the vocational subject or subjects named in the certificate in grades seven to twelve inclusive of the common schools. It shall be issued to persons who have met the requirements of the State Examining Board.

Fifth. A limited high school certificate shall be valid for four years for teaching in grades seven to twelve inclusive of the common schools. It shall be issued to persons who have graduated from a recognized higher institution of learning with a bachelor's degree and with not fewer than one hundred twenty semester hours including sixteen semester hours in education, five semester hours of which shall be in student teaching under competent and close supervision. The courses in education and student teaching shall be approved by the State Examining Board. It shall be renewable in periods of four years upon successful teaching experience and professional growth.

Sixth. A limited supervisory certificate shall be valid for four years for teaching and supervising in any and all grades of the common schools. It shall be issued to persons who have graduated from a recognized higher institution of learning with a bachelor's degree and with not fewer than one hundred twenty semester hours including a minimum of sixteen semester hours in education, as may be approved by the State Examining Board, and who have taught successfully for four years. It shall be renewable in periods of four years upon successful teaching experience and professional growth.

Seventh. A limited junior college certificate shall be valid for four years for teaching and supervising in the thirteenth and fourteenth grades of the common schools. It shall be issued to persons who have graduated from a recognized higher institution of learning with a Master's degree, including twenty semester hours in education and a major in the field in which the teacher is teaching. It shall be renewable in periods of four years upon successful teaching experience and professional growth.

The State Examining Board for Teachers' Certificates has set up the following requirements for admission to examination for the Limited State Elementary Certificate for students who have two years of college credit:

	Semester Hours or Quarter Hours	
I. General Education	45	67.5
a. Language Arts	9	13.5
b. Natural Science	9	13.5
c. Social Science	9	13.5
d. Mathematics	3	4.5
e. Health and Physical Education (Must include 2 semester hours in Materials and Methods of Instruction)	2 to 4	3. to 6.
f. Fine and Applied Arts (music and art).....	6	9.
g. General psychology	3	4.5
h. American Public Education	3	4.5
II. Education (Professional)	10	15.
a. Educational psychology, child psychology, human growth and development	2 or 3	3. or 4.5
b. Teaching and learning techniques in the modern elementary school and curricula problems.....	2 or 3	3. or 4.5
c. Student Teaching	5	7.5
III. Electives	5	7.5
Total	60	90.

PRACTICE TEACHING

The practice department includes the following three branches: Campus Laboratory School, Brush Training School, and the Rural Practice Schools.

Certification without examination. Twelve quarter hours of practice are required for graduation from the Professional Four-Year

Course. This work will include eight quarter-hours' credit in the students' major field. Additional practice work may be elected.

Prerequisites. Sixteen quarter hours in the subject to be taught; a total of 128 quarter hours of credit with a 3.0 average or better.

No practice credit will be given for past experience in teaching.

Application must be made at the beginning of the term preceding the term in which the practice teaching is desired.

Certification by examination. The Limited Elementary Certificate and Kindergarten-Primary Certificate will be granted by examination to those who have completed two years of college work. To be eligible to take this examination a student must have met the requirements of the State Examining Board, page 33. These requirements include eight quarter hours of credit in practice teaching, which will usually be secured by teaching one-half day in the elementary or rural field.

Campus Laboratory School

The Campus Laboratory School offers work from the nursery school through the senior high school. It is divided into the kindergarten and nursery school, six-year elementary school, and six-year high school.

Fees for grades one to six are \$4 each term or \$12 a year. For the nursery school and kindergarten, the fees are \$10 a term.

For the high school an activity fee of \$8 a semester is charged. This fee entitles the student to the following: his text-books; use of the college library; a subscription to a current affairs weekly newspaper; a subscription to the high school weekly newspaper; admission to high-school athletic contests, college football games, college track meets, and college entertainment numbers presented in the evening, excepting those of the Cooperative Concert Association.

The high school also offers an opportunity to those who have not met all the college entrance requirements for making up their deficiencies. The requirements for high school graduation are 16 year credits, including three of social studies, three of English, and two of physical and biological sciences or mathematics. One year of credit is required in physical education. An unusually rich curriculum of subjects is offered in the University High School. For information write Superintendent of the Campus Training Schools.

Internship

During the past few years, outstanding seniors have been given an opportunity to serve as interns in cooperating schools. Not more than one or two students are assigned to any school system. The student will receive his principal supervision from one teacher, but the principals, superintendents, and members of the regular practice department will provide whatever aid is desirable.

Brush Practice School

The Brush School is located in the best residential portion of the city and is a little over a half mile from the College campus. The enrollment is about 400. The school includes grades one to six in twelve rooms, several of which are devoted to practice teaching and are in charge of a regular teacher or supervisor.

Rural Practice Schools

The rural practice department includes two schools which are under the direction of a full-time superintendent and one supervising teacher for each school. The following Jackson County schools will be included for the year 1944-45: Buckles, District No. 98; and Buncombe, District No. 139.

One member of the department devotes most of his time to field work. This includes an in-service extension project in which he teaches the field courses, Education 361 and 362, and visits the schools of the teachers enrolled. He also supervises several "key" schools in as many different counties. These schools are visited by the students involved in the project. They are visited also by student teachers from the rural training schools. The in-service program is closely connected with the teacher-training program.

DEGREES

The College of Education grants the *B.S. in Education* and the *M. S. in Education* degrees.

The College of Liberal Arts and Sciences grants the *B.A.* degree. A student may have the *B.S.* degree on application to and approval by the Graduation Committee.

The College of Vocations grants the *B.S.* degree. A student may have the *B.A.* degree on application to and approval by the Graduation Committee, provided he has fulfilled the general education and major requirements of the College of Liberal Arts and Sciences.

Requirements for the Bachelor's Degree

College Requirements—Each candidate must meet the general college requirements with respect to registration and residence, and must also secure credit in approved courses amounting to an aggregate of 192 quarter hours.

In order to receive his bachelor's degree, a student must have maintained a 3.0 average and secured grades not lower than C in subjects aggregating at least three-fourths of the work, prescribed or elective, required for the degree. The system of grading is as follows: A, excellent, 5 points; B, good, 4 points; C, fair, 3 points; D, poor (but passing), 2 points; E, failure, 1 point. At least sixty-four of the 192 quarter hours required for the degree must be of senior college rank. Forty-eight of these must be made in residence.

A student requesting a second bachelor's degree must complete forty-five hours in addition to the hours required for his first degree and must fulfill the requirements for the second degree.

The following is a list of requirements which should be fulfilled within the first two years of attendance:

Social Studies—20 quarter hours (work in 4 departments required)

Economics 205—5 hours
 Geography 100—5 hours
 Government 200—5 hours
 History 110A, 105A—5 hours
 Sociology 101—5 hours

Humanities—18 quarter hours

English, 101, 102, 103—9 hours
 English 205, 209, 211, 212—6 hours
 Art 120 or Music 100—3 hours

Biology and Earth Sciences—9 quarter hours
Botany 101, 202, or Zoology 101, 105—5 hours
P. & H. 202—4 hours

Mathematics and Physical Sciences—12 quarter hours
Chemistry, Mathematics, or Physics
(12 hours selected from two departments)

Practical Arts and Crafts—3 quarter hours
Agriculture, Commerce, Home Economics, Industrial Education 203 (not required if student has had any of this work in high school, except where departments require such courses in their majors)

Physical Education—6 quarter hours. (See department requirements.)

A reading knowledge of some foreign language (to be determined by examination) is required for graduation. For some students this would require 3, 6, or 9 hours of class work. Not required in the College of Vocations.

Students may be excused from required courses in some departments by passing attainment tests. Passage of such tests will carry no college credit. Requests for such examinations should be presented to the heads of departments concerned.

Transfer students who have not had these courses may, with permission, substitute more advanced courses in some departments.

College of Education

The course of study in the College of Education leads to the Bachelor of Science in Education degree.

All students in the College of Education are required to take American history and government.

Students preparing for high school teaching should take the following courses in addition to those listed above:

Education and psychology—20 hours: 206, 310, 315, 331 and 345
English 390, 392 or speech—3 hours

Practice teaching—12 hours. At least 4 hours must be in the student's major and at least 8 hours on the high school level. He must have a C average before he may be assigned practice teaching.

A major of at least 36 hours and two minors, or a major of 48 hours and a minor of 24 hours in two separate fields of study. C averages are required in the major subjects before students may be graduated.

The College of Education recognizes majors in any of the departments which offer as much as thirty-six hours of work. A student may also obtain a field major in biological sciences or in social studies. Students majoring in a department should consult the head of the

department. For one of the field majors a student should consult the chairman of the division or an individual designated by him.

The College also recognizes a Latin-American minor in social studies. This minor consists of twenty-four hours in selected courses to be taken in the departments of economics, geography, government, and history. Such a minor would give students a well-rounded background in Latin-American relations.

Students preparing for elementary teaching should take the following:

Art and music—15 hours (a total of 18)

Education and psychology—32 hours, including 206, 306 or 340, 311, 331, and 355

Mathematics—8 hours

Physical education methods—3 hours. This may be substituted for 1 hour of activity.

Practice teaching—12 hours (8 on the elementary level)

Minors of 24 hours in language arts, social science, and natural science areas.

The requirements for those preparing for kindergarten-primary teaching are almost the same as those for the elementary. For details these students should see the kindergarten-primary adviser.

College of Liberal Arts and Sciences

Requirements in addition to those of the first two years:

Psychology (Education 206) or philosophy (300 or 316)

A major of at least 42 hours and a minor of at least 24 hours in two of the following subjects:

Art	English	Home Economics	Physiology and
Botany	Foreign Language	Mathematics	Hygiene
Chemistry	Geography	Music	Sociology
Economics	Government	Philosophy	Zoology
	History	Physics	

Not more than 16 hours in departments not offering majors or minors in the College of Liberal Arts and Sciences may be counted toward a degree. This 16 hours may not include courses in practice teaching, professional education, or departmental methods.

College of Vocations

Departments offering curricula in the College of Vocations are Agriculture, Commerce, Home Economics, and Industrial Education. The degree of Bachelor of Science is granted upon completion of any curriculum designed for machinists, draftsmen, secretaries, accountants, dietitians, or institution managers. All students enrolled in curricula leading toward a degree in the College of Vocations will

meet the general education requirements of the University. Any person who does not seek a degree may enroll in short term curricula of intensive study. These are in narrow areas of interest and are designed to meet the needs of persons already employed or of persons seeking employment and needing further training. For further information a student should write the head of the department concerned.

Student load—The normal student load is 16 to 18 hours. Students desiring to elect more than 18 hours must secure permission from Mr. Warren, Head of the Education Department.

A number of faculty members serve as sponsors for freshmen and sophomores. All new students should report to Dean Lentz or Dean Woody for assignment to individual sponsors. All juniors and seniors except those majoring in elementary education should report to the heads of major departments at the time of registration for approval of their assignment cards. Students who are candidates for the degree in elementary education should register with their adviser, Mr. Bosley. Mr. Thalman advises the unclassified students and those who already have degrees but are taking undergraduate courses. A student who has a total of forty-eight quarter hours registers as a sophomore, ninety-six as a junior, and 144 as a senior.

The general education which the student receives during the first two years of college should supplement rather than duplicate his high-school education. The individual student's course should thus be planned to fit his needs. If, for example, a student has had a year and a half or two years of some subject in high school, he should not be required, sometimes he should not even be permitted, to take the five-hour survey course in that subject in college, even though it is a general requirement for the average entering student. In the case of foreign language, however, the student is advised to continue the subject started in high school.

The freshman adviser studies the record of each student in his group, and plans for him a course which is roughly equivalent to the prescribed course for the first two years. The adviser, not the student, determines when deviations from the regular course seem advisable.

These graduation requirements are subject to change.

Honors Courses

A student with a 4.5 average at the end of the sophomore year may be granted permission to do a limited amount of specialized work in his chief field of interest. This may be a strictly departmental interest or it may cut across two or more departmental fields.

A qualified student who wishes to take special Honors courses should consult with the faculty member concerned and ask for the appointment of a Special Honors Committee to supervise his Honors work.

The amount of credit which a student may receive for Honors work and the type of comprehensive examination to be given will be determined by a Governing Honors Committee representing the various Divisions of the College.

THE GRADUATE PROGRAM SOUTHERN ILLINOIS NORMAL UNIVERSITY

With the beginning of the Summer Session of 1944, Southern inaugurated a program of graduate work for the teachers of Southern Illinois. This was the outcome of several years of study of a five-year teacher-training course. Some time ago the Teachers College Board approved the five-year plan, and in January 1944 it approved the setting up of the first courses in the fifth or graduate year. Similar programs, also begun in the summer, are being offered at Normal and at Macomb.

This addition to the program at Southern should mean a great deal to the teachers and administrators of the region, for they will hereafter be able to secure the Master's degree in Education in their regional college in two or three years, without interrupting their teaching. The graduate work is designed especially to be an in-service affair. Candidates for the degree may undertake full-time schedules in the summers, and part-time schedules in later afternoons, evenings and on Saturdays during the regular year. A candidate should be able to obtain the Master's degree after three full summers of work, or after two full summers and a year of part-time work.

The Master's degree is awarded from the College of Education, and is obtainable in three fields: Educational Administration, Elementary Education, and Secondary Education Fields. Eventually the prospective teacher will want to go straight through the five-year program, but some four years must pass before there are regular enrollees in the fifth year. In the meantime, this fifth year is offered to all who can qualify for it under the rules as hereinafter stated.

The College recognizes that many graduate students will not have participated in the earlier portions of the five-year plan, and that special adjustments will have to be made for some time for those who have been graduated and now return for the fifth year only. Special advisers for each field have been appointed, and a Graduate Board has been set up to administer the program.

Prospective graduate students who wish more detailed information regarding specific programs may write to the following graduate advisers:

Educational Administration—Bruce W. Merwin

Elementary Education—Ted R. Ragsdale

English—William B. Schneider

Foreign Language—Vera Peacock

Mathematics—John R. Mayor

Biological Science—Willard M. Gersbacher

Physical Science—J. W. Neckers

Social Science—Willis G. Swartz

General Rules Governing Graduate Study

Admission. Students are admitted to the Graduate Division only upon the approval of the Graduate Council. Graduates of Southern Illinois Normal University and graduates of other educational institutions maintaining standards equal to those of this institution are eligible for admission to the Graduate Division.

Transcript. Graduates of other educational institutions must present an official transcript of all high school, undergraduate, and graduate work. This transcript should be filed with the Chairman of the Graduate Council at least one month before matriculation.

Application. Written application for admission to the Graduate Division should be made to the Chairman of the Graduate Council on blanks secured at his office.

Admission to the Graduate Division is not equivalent to admission to candidacy for the degree of Master of Science in Education.

Tuition and Fees. Tuition and fees for graduate students are the same as for the students in the College of Education with the following exceptions: matriculation fee, \$5.00; graduation fee, \$5.00; and the graduate student must purchase any textbooks used in graduate courses.

Part-Time Enrollment. Opportunity is given to those admitted to the Graduate Division who are within easy reach of the University to enroll in resident graduate classes on late afternoons and Saturdays. At least half of a student's graduate credit must be earned in full-time residence work.

Additional Requirements. A student desiring to do work for which he has not the proper foundation will be required to complete the prerequisite under-graduate work.

Transfer of Credit. A maximum of 16 quarter hours of acceptable graduate credit earned in a fully accredited institution may be applied toward a Master's degree. The transfer of credit from another institution is subject to the approval of the department or departments concerned and of the Graduate Council.

The Graduate Council may require specialized work to be done in another institution.

Seniors. A senior who is in the last quarter of his under-graduate study, who has completed his resident requirement of one year for the Bachelor's degree, and whose schedule is not completely filled with undergraduate courses may be permitted to register for graduate courses upon application to the Graduate Council at the time of enrollment.

Advisory Committees. The Graduate Council will appoint an advisory committee for each graduate student.

Requirements For The Master's Degree

Residence. Candidates for the degree are required to spend at least two quarters, or terms, in residence.

Course Requirements. Forty-eight quarter hours of work of acceptable graduate credit are required for the Master's degree. At least 24 of these forty-eight hours must be in courses for graduates only. Also at least half of the graduate credit culminating in the Master's degree must be obtained in full-residence work.

A grade average of B is required for the degree. Not more than four hours of C will be given graduate credit, and no grade below B will count toward a major.

The requirements of the American Association of Teachers' Colleges, of the North Central Association, and of the State Examining Board must be met.

Dissertation or Thesis. No formal thesis of the traditional type will be required, but each candidate for the Master's Degree will be required to present evidence of ability to do a satisfactory quality of research, and to submit it in a form capable of being filed away for future reference. A maximum of four quarter hours of credit may be given for this special research project.

Admission to Candidacy. Each student shall make personal application to the Graduate Council for admission to candidacy not later than the last week of the term prior to the term at the close of which the degree is to be conferred.

Prior to admission to candidacy, each student must pass a preliminary comprehensive examination covering the essentials of both undergraduate and graduate study in his major field. This examination may be oral, written, or both.

Application for the degree. Each candidate for the Master's degree must file application for the degree with the Chairman of the Graduate Council, on a blank furnished by his office, not later than one month before the date for granting the degree.

Final Examination. Each candidate must pass a final examination covering all work he has completed. Special emphasis will be given to individual studies and research projects.

The Master's Degree In Elementary Education

I. Required courses :	16 qr. hrs.
Child Growth and Development, or Child Psychology	4 hrs.
Structure and Operation of the American Educational System	4 hrs.
Curriculum, Materials, and Methods in the Modern Elementary School . .	4 hrs.
Educational Sociology	4 hrs.
	16 hrs.
II. Guided electives :	18 qr. hrs.
Educational Tests and Measurements	4 hrs.
This course is required unless the student has had its undergraduate equivalent.	
Procedures in Individual Guidance . .	4 hrs.
This course is required unless the student has had its undergraduate equivalent.	
Curriculum and Methods Courses :	
Arithmetic and Numbers—Primary—Intermediate—Upper	
Social Studies in the Elementary School	
Natural Sciences in the Elementary School	
Fine and Applied Arts in the Elementary School	
Language Arts in the Elementary School	
Health and Recreation in the Elementary School	
III. Free electives in Education :	8 qr. hrs.
In addition to the 16 hours in required professional courses and the 18 hours in guided electives, the student will be required to take a minimum of 8 elective hours in courses which he may select from the remaining courses in Education.	
IV. Elective courses other than in Education :	8 qr. hrs.
In addition to the 40 quarter hours required in education, the student will take 8 quarter hours of elective work.	
Total	48 qr. hrs.

The Master's Degree In Administration and Supervision

- I. Prerequisites :
 - The Bachelor's Degree
 - Certification to teach
 - Teaching experience
- II. Professional Requirements: 32-48 quarter hours, as approved by the graduate student's advisory committee, from the following:
 - Philosophy of Education
 - School Administration
 - Supervision
 - Field Work
 - Tests and Measurements
 - Curriculum
 - Guidance
 - Personnel Administration
 - Educational Sociology
 - Mental Hygiene
 - Human Growth and Development
 - American Education
 - Seminar
 - Individual Research
- III. Academic Electives: 0-16 quarter hours, as approved by the students advisory committee.

The Master's Degree For High School Teachers

- I. Professional Courses 16 quarter hours
- II. Requirements for Major and Minor:
 - Major 20-32 quarter hours
 - Minor 0-12 quarter hours
 1. Where a major is offered in a single department such as English, French, or Mathematics, a graduate student would ordinarily be expected to take a minor in a related field. In that case approximately two-thirds of the academic work would be devoted to the major and one-third to the minor.
 2. Where a student majors in a field such as Social Studies, Biological or Physical Sciences, he would be permitted to take all of his academic work in that field.
 3. In cases where a student's undergraduate majors and minors are not in related fields, he may be required to take certain undergraduate courses, carrying partial or no graduate credit in order to provide an adequate basis for related graduate majors and minors.

PREPROFESSIONAL CURRICULA

Preengineering Course

18 Months

First Term		Second Term	
	Qr. Hrs.		Qr. Hrs.
English 101	3	English 102	3
Mathematics 111 ..	4	Mathematics 112	4
Chemistry 101 or 151....	4	Chemistry 102 or 152....	4
Ind. Educ. 101.....	4	Elective	4
Physical Education	2	Physical Education	2
	17		17
Third Term		Fourth Term	
English 103	3	Physics 206	4
Mathematics 113	5	Mathematics 251	4
Chemistry 103	4	Elective	9
Elective	3		
Physical Education	2		
	17		17
Fifth Term		Sixth Term	
Physics 207	4	Physics 208	4
Mathematics 252	4	Mathematics 303	4
Elective	9	Elective	9
	17		17

The requirements of the particular college and curriculum which the student intends to take should be taken into account in selecting the electives. Ordinarily they should be chosen from among the following subjects: Economics, History, Literature, Speech, German, Chemistry, Drawing, Shop.

A student who takes only the first year of this course will be able to transfer to almost any engineering college without loss of credits if he chooses his electives wisely. The requirements of the particular college will determine how much of the second year's work will count toward an engineering degree.

—Prepared by Dr. McDaniel and Dr. Van Lente.

Prelegal Course

Students planning to study law may obtain at Southern the preprofessional training necessary for entrance to any college of law. The Association of American Law Schools makes no specific requirement concerning the prelegal course. Three years of college is the minimum requirement for entrance to a law college, and a degree is recommended. Every prelegal student will receive help from an adviser.

Premedical and Pre dental Curriculum

18 Months

First Term	Second Term
Chemistry 101 or 151 4	Chemistry 102 or 152 4
Zoology 101 5	Zoology 105 5
English 101 3	English 102 3
Modern Language 3	Modern Language 3
Physical Education 1 or 2	Physical Education 1 or 2
16 or 17	16 or 17
Third Term	Fourth Term
Chemistry 103 4	Chemistry 325 4
*Zoology 200 or 300 5	Physics 206 4
English 103 3	*Elective (Group I) 5
Modern Language 3	*Elective (Group II) 4
Physical Education 1 or 2	
16 or 17	17
Fifth Term	Sixth Term
Chemistry 326 4	Physics 208 4
Physics 207 4	Elective 4
*Elective (Group I) 5	*Elective 4
*Elective (Group II) 4	*Elective 4
17	16

Electives—Group I: Psychology, social studies (history, economics, sociology, government.)

Group II: Science (chemistry, zoology, physics, mathematics.)

* Consult catalogs of medical schools in regard to specific requirements.
—Prepared by Dr. Scott.

Preveterinary Medicine

9 Months

First Term	Second Term
English 101 3	English 102 3
Chemistry 101 or 151 4	Chemistry 102 or 152 4
Zoology 101 5	*Zoology 200 or 201 5
*Elective 3 or 4	Physical Education 2
Physical Education 2	*Elective 3 or 4
17 or 18	17 or 18

Third Term

English 103	3
Chemistry 103	4
*Zoology 105	5
Physical Education	2
Botany 203	4

 18

—Prepared by Dr. Scott.

Nursing

18 Months

First Term

English 101	3
French or German 101....	3
Mathematics 106 or 111...	4
Physical Education	1
Chemistry 101 or 151....	4

 15

Third Term

English 103	3
French or German 103....	3
Chemistry 103 or 153....	4
Sociology 101	5
Physical Education	1

 16

Fifth Term

English 211	3
French or German 152....	3
Zoology 105.....	5
Hygiene (P. & H. 202) ..	4
Physical Education	1

 16

Second Term

English 102	3
French or German 102....	3
Chemistry 102 or 152....	4
Mathematics 107 or 112...	4
Physical Education	1

 15

Fourth Term

English 212	3
French or German 151....	3
Zoology 101	5
Elective	5
Physical Education	1

 17

Sixth Term

French or German 153....	3
Physiology & Hygiene....	4
Elective	5
Elective	5

 17

—Prepared by Dr. Hinrichs.

Medical Technology

Students who are planning to become medical technicians should consult Dr. Marie Hinrichs as to suggested courses since the requirements for this type of work vary greatly.

 * Consult catalogue of school as to specific requirements.

Social Work

Those who plan to enter graduate schools of social work should specialize in economics, political science, psychology, and sociology. Students should have at least forty-five quarter hours, preferably more, in these subjects.

The sociology department is now offering a number of "service courses" designed for persons going into one of the many divisions of social service. It is also offering "in-service" courses on the campus and extension work off the campus for social workers who wish to take further course work.

The sociology department is cooperating with the State Department of Public Welfare in a program whereby the state department employs outstanding students upon graduation. The students hired by the state are employed as welfare aides in two six-month periods alternating with two six-months periods in a graduate school of social work. The state salary continues throughout the period of apprenticeship and graduate school attendance.

The following list includes recent additions to the Department's offerings based on a consideration of immediate needs. There is every evidence that these fields are still in their infancy, and that permanent post-war opportunities will be numerous.

- a. Child Welfare: a field growing faster than trained personnel.
- b. Criminology and Penology: training leading to apprentice work in penal institutions.
- c. Juvenile Delinquency: leading to state or private social work.
- d. Social Work: leading to immediate placement in State Agencies.
- e. Community Organization: leading to State or Federal service.
- f. Social Research: practice in field research leading to placement with research agencies, public or private.

AGRICULTURE

Southern Illinois Normal University offers three-fourths of the work required for the degree of Bachelor of Science in Agriculture granted usually by the Land-Grant institutions. Specialization within the field of agriculture is not to be recommended during the first half of the agricultural curriculum, but students seeking the Smith-Hughes (agricultural vocational teacher) training should consult their advisers for special guidance when they register.

Persons interested in the short term curriculum of intensive agriculture should consult the Head of the Department. This program is designed especially for active farmers and part-time farmers who are not interested in a degree.

- 102. **Cereal Crops.** Prerequisite, Botany 101.
- 103. **Forage Crops.** Prerequisite, Botany 101. Agriculture 102 suggested.
- 105. **Breeds of Livestock.**
- 112. **Small Fruits.**
- 201. **Agricultural Geology.** (Geology 201).
- 202. **Farm Soils.**
- 204. **Agricultural Economics.** (Economics 204.)
- 205. **Principles of Feeding.** Prerequisites, Agriculture 105 or equivalent, and Chemistry 102.
- 212. **Orcharding.** Prerequisite, Botany 101.
- 225. **Poultry.**
- 231. **Dairy Cattle.** Prerequisite, 105 or 205.
- 260. **Vegetable Gardening.**
- 265. **Swine Husbandry.** Prerequisite, 105.
- 275. **Farm Machinery.**
- 301. **Soil Fundamentals.** Prerequisites, Chemistry 103, Geology 201.
- 302. **Soil Fertility.** Prerequisite, 301.
- 303. **Drainage and Surveying.** Prerequisite, Sophomore standing.
- 304. **Home and School Gardening and Landscape Planning.**
- 311. **Dairy Cattle and Swine.** Not for majors in agriculture. 4 hours.
- 315. **Animal Husbandry.**
- 320. **Farm Poultry.**
- 322. **Farm Planning.** Not for majors in agriculture. 4 hours.
- 324. **Farm Planning.** Profitable productions, rational consumption, and abundant living are the factors studied as the balance in part-time farming. 4 quarter hours.
- 325. **Diseases of Fruits and Vegetables.** Prerequisites, Botany 101, Agriculture 212, 260.

326. **Diseases of Cereal Crops.** Prerequisites, Botany 101 and Agriculture 102.
330. **Problems in Dairy Farming.** Prerequisites, 102 and 105.
339. **Poultry and Gardening.** Not for majors in agriculture. 4 hours.
350. **Farm Management.** Prerequisites, 102 and 105.
370. **Marketing of Farm Products.**

BOTANY

For a major in botany, nine courses are required, including 101, 202, 203, 210, 320; for a minor, six courses, including 101, 202, 203.

101. **General Botany.** 5 hours.
131. **Field Biology.** 5 hours.
202. **General Botany.** A brief study of representative plants of the great plant groups, the general classification of plants and the evolution of the plant kingdom. Prerequisite, 101. 5 hours.
203. **Systematic Botany.** Prerequisite, 101. Spring. 4 or 5 hours.
210. **Plant Anatomy.** Prerequisites, 101, 202. 5 hours.
301. **The Algae.** Prerequisites 101, 202. 5 hours.
302. **The Bryophytes and Pteridophytes.** Prerequisites, 101, 202. 5 hours.
303. **The Spermatophytes.** Prerequisites, 101, 202, 203. 5 hours.
315. **Genetics.** Prerequisite, approval of the Head of the Department. 5 hours.
320. **Elements of Plant Physiology.** Prerequisite, 101. 5 hours.
340. **Plant Ecology.** Prerequisites, 101, 202, 203. 5 hours.
350. **Plants in Relation to Man.** 4 hours.
351. **Economic Biology.** 4 hours.
380. **History of Biology.** Prerequisites, one year of Botany and Zoology. 5 hours.
- 406 (305). **Fungi.** Prerequisites, 101, 202, 203. 5 hours.
- 421 (321). **Histological Technique in Biology.** 5 hours.
- 425 (325). **Plant Physiology.** Prerequisites, Botany 101, 210, 320, Chemistry. 5 hours.
- 430 (330). **Plant Physiology.** Prerequisites, Botany 101, 210, 320, Chemistry. 5 hours.
- 470 (370). **Methods in Biology.** 4 hours.
- 510 (410). **Bio-ecology.** Prerequisites, Botany 101, 203, Zoology 220. 5 hours.

CHEMISTRY

A teaching major in chemistry requires 36 quarter hours, a double major in chemistry consists of 48 quarter hours, a minor of 24.

101. **General Chemistry.** A survey course. All terms. 4 hours.
102. **General Chemistry.** Prerequisite, 101. Winter, Spring and Summer. 4 hours.
103. **General Chemistry.. Theoretical.** Prerequisite, 102 or 152. Spring and Summer. 4 hours.
151. **General Chemistry.** A survey course. Prerequisite, high-school chemistry. Fall. 4 hours.
152. **General Chemistry.** Prerequisite, 151. Winter. 4 hours.
201. **Qualitative Analysis.** Theory and cations. Prerequisite, 103. (Mathematics 113 also desirable.) Fall. 4 hours. Neckers.
202. **Qualitative Analysis.** Anions and compounds. Prerequisite, 201. Winter. 4 hours. Neckers.
252. **Quantitative Analysis.** Gravimetric. Prerequisite, 201, Mathematics 113. Winter. 4 hours. Neckers.
253. **Quantitative Analysis.** Volumetric. Prerequisite, 202 or 252, Mathematics 113. Spring. 4 hours. Neckers.
301. **Organic Chemistry.** For chemistry majors. Prerequisite, 103. Fall and Spring. 4 hours. Abbott.
302. **Organic Chemistry.** Prerequisite, 301. Winter. 4 hours.
303. **Organic Chemistry.** Prerequisites, 201 and 302. Spring. 4 hours. Abbott.
325. **Organic Chemistry.** For home economics, agriculture, and biology majors. Prerequisite, 103. Fall. 4 hours. Scott. No credit if student has had 301.
326. **Organic Chemistry.** Prerequisite, 325. Winter. 4 hours. Scott. No credit if student has had 302.
401. **Physical Chemistry.** For majors. Prerequisites, Chemistry 253 and 303, Mathematics 252, Physics 206, 207, 208. Fall. 4 hours. Van Lente.
402. **Physical Chemistry.** Prerequisites, Chemistry 401, Physics 306. Winter. 4 hours. Van Lente.
403. **Physical Chemistry.** Prerequisite, 402. Spring. 4 hours. Van Lente.

425. **Physical Chemistry.** For biology students. Prerequisites, 253 and 326. Summer. 5 hours. Van Lente.
451. **Biological Chemistry.** Prerequisite, 302 or 326. Winter. 4 hours. Scott.
452. **Biological Chemistry.** Prerequisite, 451. Spring. 4 hours. Scott.

NOTE: Chemistry 301, 302, 303, 401, 402, 403 probably will not be offered in 1944-45.

COMMERCE

A major in Commerce requires 48 quarter hours; a minor consists of 24 quarter hours.

101. **Handwriting.** No credit. Ogden.
102. **Personal Typewriting.** Credit is allowed toward graduation for all students. 4 hours.
- 103, and 104. **Typewriting.** Students who have had one year of typewriting instruction in high school are not eligible for 102 and 103, but may enter 104. Credit toward graduation for commerce majors and minors only. 4 hours.
- 105, 106, and 107. **Shorthand.** Students who have had one year of shorthand instruction in high school are not eligible for 105 and 106, but may enter 107. Credit toward graduation for commerce majors and minors only. 4 hours.
201. **General Business Information.** 4 hours. Ogden.
205. **Elements of Accounting.** 4 hours. Ogden.
206. **Accounting.** Prerequisite, Commerce 205 or its equivalent. 4 hours. Ogden.
207. **Accounting.** Prerequisite, Commerce 206 or its equivalent. Spring. 4 hours. Ogden.
- 210 **Commercial Law.** Fall. 4 hours. Bryant.
211. **Commercial Law.** Winter. 4 hours. Bryant.
212. **Commercial Law.** Spring. 4 hours. Bryant.
- 213, 214. **Advanced Typewriting.** Prerequisites, Commerce 102, 103, 104 or equivalent. 213, Fall; 214, Winter. 4 hours. Rolens.
- 216, 217. **Advanced Shorthand.** Prerequisites, Commerce 105, 106, and 107, or equivalent. 216 Fall; 217, Winter. 4 hours. Rolens.
220. **Handwriting Methods.** 2 hours.
221. **Business English.** 4 hours. Ogden.

- 305, 306, and 307. Advanced Accounting.** 305, Fall; 306, Winter; 307, Spring. 4 hours.
- 315 (215). Typewriting Methods.** Students, to be eligible for this course, must be able to write on the typewriter at a net speed of forty-five words a minute. 4 hours. Rolens.
- 318 (218). Shorthand Methods.** Prerequisite, 80 words a minute speed. Spring. 4 hours. Rolens.
- 325. Business Administration (Economics 326).** Spring. 4 hours. Bryant.
- 336. Marketing (Economics 336).** Fall. 4 hours. Bryant.
- 337. Principles of Salesmanship.** Winter. 4 hours. Bryant.
- 338. Cost Accounting.** 4 hours.
- 339. Methods in Commercial Arithmetic.** Winter. 4 hours.
- 340. Auditing.** Spring. 4 hours. Bryant.
- 341. Principles and Problems of Office Practice.** 4 hours. Bryant.
- 345. Income Tax Accounting.** Winter. 4 hours.

ECONOMICS

A major in economics consists of 36 quarter hours in the College of Education; a minor, of 24 hours.

A major or minor is recommended to those wishing to teach economics, and to those wishing to enter government service.

Students majoring in economics are urged to take as much as possible in other social-science departments, with at least one minor in a related field.

Advice as to courses recommended in economics and related fields can be obtained from members of the departmental staff.

- 201. Contemporary Political Problems.** (Government 201.) 3 hours.
- 204. Agricultural Economics.** Intended for agriculture students only. 5 hours.
- 205. Introduction to Economics.** 5 hours.
- 206. Advanced Economic Problems.** Prerequisite, 204 or 205. 3 hours.
- 210. An Introduction to Economic Geography.** (Geography 210.) 4 hours.
- 211. Cultural Anthropology.** (Sociology 210.) 3 hours.
- 215. Population.** (Sociology 215.) 2 hours.

304. **Advanced Economic and Social Geography.** (Geography 304.) Prerequisites, Economics 205 and 206, Geography 210. 3 hours.
306. **Social Institutions.** (Sociology 305.) 3 hours.
307. **Elementary Mathematical Statistics.** (Mathematics 307.) Prerequisite, two terms of college mathematics. 5 hours.
310. **Labor Problems.** Prerequisites, 205 and 206. 4 hours. Fall.
315. **Money and Banking.** Prerequisites, 205 and 206. 4 hours.
317. **Economic History of the United States.** (Geography 317.) Prerequisites, 205 and 206. 3 hours. Spring.
320. **Corporation Finance.** Prerequisites, 205 and 206. 4 hours.
321. **Teaching of Social Studies.** (Sociology 321.) 2 hours.
324. **Restoration and Conservation of Natural Resources.** (Geography 324.) 4 hours.
325. **Transportation.** Prerequisites, 205 and 206. 3 hours.
326. **Business Administration.** (Commerce 325.) 4 hours.
328. **International Trade.** (Geography 328.) Prerequisites, 205 and 206. 3 hours.
330. **Public Finance and Taxation.** Prerequisites, 205 and 206. 3 hours.
333. **Problems of Southern Illinois.** (Government 333.) 5 hours.
335. **Government and Business.** (Government 335.) 3 hours.
336. **Marketing.** (Commerce 336.) 4 hours.
340. **Public Utilities.** Prerequisites, 205 and 206. 3 hours.
345. **The Principles of Insurance.** Prerequisites, 205 and 206. 3 hours.
355. **The Economics of Consumption.** Prerequisites, 205 and 206. 3 hours.
361. **Social Security.** (Sociology 360.) 3 hours.
370. **Business Cycles.** Prerequisites, 205 and 206. 3 hours.
380. **Economics of War.** War production, financing the military machine, control of prices and post-war adjustments. 4 hours.
- 450 (350). **History of Economic Thought.** Prerequisites, 205 and 206. 4 hours.
- 481 (381). **Comparative Economic Systems.** A study of capitalism, socialism, communism, fascism, and cooperation. 3 hours.
- 500 (400). **Economics Seminar.** Open only to graduates. The credit hours in each case will vary from 3 to 4.

EDUCATION

206. **General Psychology.** 4 hours.
- 215 (210). **Elementary School Methods.** Prerequisite, 206. 4 hours.
230. **Rural Education.** Prerequisite, 206. 4 hours.
235. **Primary Education.** Prerequisite, 206. 4 hours.
237. **Rural Education Seminar.** 4 hours.
305. **Advanced Educational Psychology.** Prerequisite, 206. 4 hours.
306. **Child Development.** 4 hours.
310. **Principles of Secondary Education.** 4 hours.
311. **The Work of the Elementary Teacher.** Prerequisite, 206. 4 hours.
312. **Safety Education.** 3 or 4 hours.
313. **Literature in the Kindergarten-Primary Grades.** Prerequisite, English 213. 3 hours.
315. **High School Method.** Not open to those who have had 215 (210). 4 hours.
316. **Kindergarten-Primary Methods and Curriculum.** 4 hours (3-hour theory plus 2-hour laboratory).
320. **High School Measurements.** Not open to those who have taken 321. 4 hours.
- 321 (220). **Elementary School Measurements.** Prerequisite, 206. Not open to those who have had 320. 4 hours.
323. **School Law.** 4 hours.
- 425 (325). **School Administration.** 4 hours.
456. (326). **Principles of Supervision.** Prerequisites, at least three courses in education, and teaching experience. 4 hours.
327. **Personnel Administration.** Prerequisite, 315. 2 hours.
330. **History of Education.** 4 hours.
331. **American Public Education.** 4 hours.
332. **Public Opinion, Propaganda and Education.** 4 hours. Admission by consent of instructor.
333. **Field Work in Elementary Education.** 4 hours.
335. **Problems in Rural Education.** Prerequisites, at least one course of Psychology and at least one course in Education. 4 hours.
336. **Techniques in Individual Measurement.** Prerequisites, 206, 306 or 340 or 345, 320 or 321. 3 hours.

337. **Reading in the Elementary School.** Prerequisite, 215 or 315. 4 hours.
338. **Problems of Remedial Reading in the High School.** Prerequisite, senior classification. 2 hours.
- 338a. **Laboratory Practice in Remedial Reading on the Secondary School Level.** Prerequisites, senior classification and Education 338. 2 hours.
- 338b. **Reading Case Studies and Clinic Practice.** Prerequisite, 337 or 338. 2 hours.
339. **The School and the Community.** Open to juniors and to others by permission of instructor. 4 hours.
340. **Child Psychology.** 4 hours.
343. **Child Development.** Prerequisite, 206. 2 hours Health Education and 2 hours Education.
345. **Adolescent Development.** 4 hours.
350. **Mental Hygiene.** 4 hours.
351. **The School Library and the School Program.** Fall. 4 hours.
- 352, 353. **School Library Organization and Management.** Prerequisite, 351. These courses must be taken in sequence: 352, Winter; 353, Spring. 4 hours each. Hankla.
355. **Philosophy of Education.** 4 hours.
360. **Curriculum.** For advanced students only 4 hours
- 361, 362. **Rural and Elementary Curriculum.** 8 hours.
365. **Psychology of the Elementary School Subjects.** Prerequisite, 215 or 315. 4 hours.
371. **Foundations of Education.** Prerequisites, at least two courses in education and junior standing. 4 hours.
375. **Education and National Defense.**
380. **Kindergarten Education.** Students should consult the instructor before registering for this course. 4 hours.
381. **Education Sociology. Guidance in Personality and Social Adjustments.** Fall, Winter. 4 hours. Advanced students admitted only after conference with Mrs. Gum.
390. **Workshop in Rural Education.** Arrangements for enrollment should be made by May 1, with the head of the Department of Rural Education. This will be a full-time course for the first four weeks of the summer session.
401. **Problems in Public School Reading.**

- 420. Educational Statistics.** Prerequisites, 310 and 320 or 321. 4 hours.
- 425. Diagnosis and Treatment of School Behavior Problems.** Enrollment limited to 25. 4 hours.
- 426. Procedures in Individual Guidance.** Prerequisites, 206, 306 or 340 or 345, 320 or 321, 337 or 338 or other special courses in diagnostic or remedial reading, Physiology and Hygiene 202, Sociology 101. Courses in genetics and zoology are also recommended as prerequisites to Education 316, 426, 526. 4 hours.
- 428. Therapeutic Treatment of the Individual.** A continuation of Education 426. Seminars and individual direction and guidance by members of the staff. Prerequisites, Education 426.
- 446. 546. Practicum in Psychology.**
- 450. Foundations of Elementary Education.** 4 hours.
- 500. Seminar in Education.** 4 hours. For graduate students.
- 526. Techniques and Therapy in Individual Guidance.** Students will be trained to operate technical machines such as the telebinocular, the audiometer, the dermohmeter, and others; and will learn how to interpret the findings. The student diagnostician will work with one individual patient throughout the entire term. Prerequisites, same as for 426.
- 528. Psychotherapy.** Prerequisites, same as for 428. 4 hours.
- 556. Supervision Seminar.**

ENGLISH

English majors should, in their junior year, complete English 302, 316, and 317, which in sequence constitute a required survey of English literature from the beginning to 1900. Those in the College of Education should also take English 300, the methods course, in the spring of either the junior or the senior year. They should choose other courses to total 48 hours, of which 32 must be on the senior-college level. No more than 12 hours of rhetoric may be included in the 48. Three of the advanced courses should come from the following table and should be so selected that they fall both in different types and in different periods:

	Poetry	Prose	Drama
Elizabethan			360 366
17th and 18th	370	354	361
19th	320 321	326 355	
20th	305 330	308 335	306 363

The remaining courses may be freely elected either from those in the above table or from the following list:

314	362	377
315	368	378
324	369	379

An English major should choose at least two of the English history courses from the following: History 322, 323, 324; and at least one philosophy course, preferably 345.

The following speech courses may count towards an English major: 210 or 311 and 230 or 328. English majors should know that a requirement for graduate work in English is a reading knowledge of French and German.

English minors should have a total of 24 hours, 9 of which should be distributed among the senior-college groups. Especially recommended courses are 316, 317, 366, and a modern course. Not more than 9 hours of rhetoric may be counted on a minor.

- 0. Sub Freshman Rhetoric.** No credit.
- 101. Freshman Rhetoric.** Informal Essay. Freshman rhetoric must be taken every term until the requirement is fulfilled. 3 hours.
- 102. Freshman Rhetoric.** Use of the library as preparatory work for the research paper. 3 hours.
- 103. Freshman Rhetoric.** Emphasis on the writing of a research paper. 3 hours.
- 104. Modern Readings with Practice in Composition.** 3 hours.
- 205. Masterpieces of English and American Poetry.** Emphasis on technique, type, and period. 3 hours.
- 209. Masterpieces of World Literature.** An examination of masterpieces of various national literatures in various periods. 3 hours.
- 211. Introductory Course in Fiction.** An examination of readable novels designed to acquaint the student with all aspects of artistic excellence in this form. 3 hours.
- 212. Readings in Modern Literature.** Principal forms, ideas, and writers of contemporary America and England. Occasional excursions into the literature of other countries. Emphasis on the manner in which modern literature touches upon the many problems of twentieth century life. Especially recommended to majors in other fields than English. 3 hours.
- 213. Children's Literature.** Fairy stories, fables, myths, romance cycles, and legends, with analysis of the literary qualities of the selections, instruction in methods of teaching literature in the grades, and some observation of such methods in the training school. Does not count on English major. 3 hours.

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214. **Sophomore Rhetoric.** A review of English grammar and composition for rural and elementary schools.
217. **English Grammar for Teachers.** A review of elementary school grammar. 3 hours.
218. **Composition for Elementary School Teachers.** A study of the problems of composition in grade schools. 3 hours.
290. **Creative Writing.** Prerequisite, consent of the instructor. 3 hours.
291. **Business Writing.** Does not count on rhetoric requirement. 3 hours.
300. **Advanced Course in Principles of English Grammar and Composition.** A review of grammar and a study of the principles of grammar and composition. Required for majors. 3 hours.
302. **A Survey of English Literature from the beginning to 1550.** Required of majors. 3 hours.
305. **American Poetry.** 4 hours.
306. **American Drama.** Rise of the theatre in America with a survey of the drama of the early period and intensive reading of contemporary plays. 4 hours.
308. **American Novel.** Emphasis on the works of Hawthorne, Melville, Crane, Lewis, and Cather. 4 hours.
314. **Ideas in Seventeenth Century Literature.** Religious, scientific, political, and aesthetic trends in seventeenth century literature. 4 hours.
315. **Eighteenth Century Literature.** Neo-classicism and the genesis of the Romantic movement in poetry. In prose selected masterpieces with emphasis on the satirical and critical essay. 4 hours.
- 315a. **English and French Literature in the Eighteenth Century.** This course is offered jointly with the French department. Students may elect it as English 315A with five hours' credit in English; as English 315A with three hours' credit in English; or as French 315A with three hours' credit in French.
316. **A Survey of English Literature from 1550 to 1750.** Required of majors. Credit for 316 is not given to students who already have credit for 201. 3 hours.
317. **A Survey of English Literature from 1750 to 1900.** Required of majors. Credit for 317 is not given to students who already have credit for 202. 3 hours.

318. **A Survey of American Literature.** 4 hours.
320. **English Romantic Poetry, 1780 to 1830.** A survey of Romantic poetry, with emphasis on the poetry of Wordsworth, Coleridge, Byron, Shelley, and Keats. 4 hours.
321. **Victorian Poetry, 1830 to 1880.** A survey of Victorian poetry, with intensive study of Tennyson, Browning, and Arnold.
324. **Elizabethan Poetry and Prose.** A survey of sixteenth century literature, exclusive of plays, with special attention to general Renaissance background in England and on the continent. 4 hours.
326. **Nineteenth Century Prose.** Representative writings of England's great prose age and, exclusive of fiction, their relationship to nineteenth century life and thought. 4 hours.
330. **Modern British Poetry.** The tendencies in British poetry from 1880 to the present. 4 hours.
335. **The Short Story.** A comparative study of the growth of the short story as a literary form. 4 hours.
354. **Development of the English Novel.** Representative novels from Defoe through Scott. 4 hours.
355. **Victorian Novel.** Backgrounds of the Victorian era and the work of the major novelists from Dickens to Hardy, including a survey of numerous less important figures. Ten novels are read and special short reports given on additional material. 4 hours.
360. **English Drama to 1642.** Representative plays showing the development of the drama from the Greek and Roman to 1642. 4 hours.
361. **Restoration and Eighteenth Century Drama.** Intensive reading of plays and special reports. 4 hours.
362. **The Development of Tragic Drama from Aeschylus to the Present Time.** Principal tragic dramas and the shifting conceptions of tragic form and matter in the following ages: Ancient Greek, Roman, Renaissance, French Classical, Restoration, eighteenth and early nineteenth centuries, and the contemporary. 4 hours.
363. **Modern British Drama.** A survey of the drama since 1830 with intensive study of the most important plays after Ibsen.
366. **Shakespeare.** A selection of plays for intensive study and for outside reading. 4 hours.

368. **English Social Literature of the Nineteenth Century.** English prose and poetry which touches the principal social, political, economic, and religious problems of the century, designed to furnish a background for understanding twentieth century questions of a similar nature. 4 hours.
369. **Criticism of Literature.** The study, appreciation and criticism of literature and literary techniques. 4 hours.
370. **Milton.** The poetry of Milton, with emphasis on the forms, influences, and ethical values. 4 hours.
377. **Comparative Literature, Twentieth Century.** Development of naturalism in the novel. Twelve novels are read, six European and six American. 4 hours.
378. **Comparative Literature to the Renaissance.** The lectures will provide a background for the appreciation of early European literature with special emphasis on the classics of Greece and Rome. The readings will be selected from translations of the works of Homer, Aeschylus, Sophocles, Euripides, Aristophanes, Plato, Virgil, Terence, Dante, and others. 4 hours.
379. **Comparative Literature from the Time of the Renaissance.** Recent literature other than English and American in translations of the works of Rabelais, Cervantes, Voltaire, Rousseau, Goethe, Heine, Turgenev, Dostoevsky, and others. 4 hours.
385. **A study of recent trends in the teaching of literature in the junior and senior high schools.**
- 390, 392. **Advanced Composition.** Credit will not be given for both 300 and 390. 3 hours.

Speech

To obtain a minor in Speech, a student must complete the following courses: 210 (or 311), 220, 230, 315, 328, and 350 (if the student expects to teach), plus additional hours, totaling 24.

210. **Fundamentals of Speech.** 3 hours.
220. **Public Discussion and Debate.** Largely a laboratory course. Prerequisite, Speech 210 or equivalent. Fall. 4 hours.
224. **Inter-Collegiate Debate.** 2 hours per year; 8 hours maximum.
230. **Oral Interpretation.** Prerequisite, 210 or equivalent. 3 hours.
250. **Acting.** Prerequisite, 210 and 230. 3 hours.
311. **Fundamentals of Speech.** Not open to students who have taken 210. 3 hours.
315. **Radio Speech.** Prerequisite, 210 or equivalent. 3 hours.

328. **Play Production.** 4 hours.
336. **Creative Dramatics for Children.** Speech 230 or Speech 328 is recommended as a prerequisite. 3 hours.
341. **Advanced Speech.** Prerequisite, Speech 210 or equivalent. 4 hours.
350. **Teachers' Problems.** 3 hours.

FINE AND APPLIED ARTS

Forty-eight quarter hours are required for a major in Art. At least twenty-four hours must be in 300 courses. Art minors must have a total of twenty-four hours, with not less than twelve in 300 courses. Art 120 is the only requirement for both majors and minors.

100. **Introduction to Materials.** (Open to all students as Recreation.) Experience in pottery, weaving, wood, textiles, sketching, other materials, and all painting media. 3 hours.
105. **Sketching.** (Open to all students as Recreation). Introduction to charcoal, pencil, pen and ink. 3 hours.
- 110, 111, 112. **Beginning Design and Theory of Color.** 4 hours each.
120. **Art Appreciation.** Contemporary Art in Everyday Life.
125. **Lettering and Layout.** 3 hours.
- 135, 136, 137. **Pottery.** A year's sequence. 3 hours each.
150. **Beginning Composition.** Black and white media. 4 hours.
- 151 (131). **Intermediate Composition.** Watercolor media. 4 hours.
152. **Advanced Composition.** Oil and watercolor. 4 hours.
- 215, 216, 217. **Contemporary Design.** 4 hours each.
225. **History of Architecture.** 4 hours.
226. **History of Sculpture.** 4 hours.
227. **History of Painting.** 4 hours.
- 245, 246, 247. **Figure Drawing.** 4 hours.
- 250, 251, 252. **Composition in Various Media.** 4 hours each.
275. **Advanced Advertising.** Prerequisite, Art 125. 5 hours.
280. **Descriptive Drawing.** Designed for biology, geography, and history students. Maps, relief drawings, etc. 3 hours.
300. **Art Education in the Public Schools.** For elementary and high school teachers. 4 hours.

- 302, 303, 304. **Pottery and Ceramics.** No credit for students who have had Art. 135, 136, 137. 3 hours each.
315. **Interior Decoration.** 5 hours.
- 320, 321, 322. **Advanced Composition.** Landscape, landscape and figure, and portrait. 4 hours each.
- 325, 326, 327. **Composition Studio Course.** The student chooses his own project in painting under the direction of the artist-in-residence. 4 hours each.
331. **Theories and Techniques of Renaissance Art.** It is recommended that this be integrated with History 315. 2 or 3 hours.
- 341, 342, 343. **History of Art.**
345. **Nineteenth and Twentieth Century French Painting and Sculpture.** 3 hours.
346. **Contemporary American Painting and Sculpture.** 3 hours.
- 350, 351, 352 (405). **Advanced Studio.** The student chooses his own field and his own instructor with whom he outlines his term project. He must meet with his instructor at the same time a similar class is given. Fourth-year majors only. Hours to be arranged with instructor.
355. **Applied Esthetics.** (To be taken with Art 345). 3 hours. Not offered 1944-45.
- 360, 361, 362. (410). **Seminar in History of Art.** Hours to be decided with instructor.
- 371, 372, 373. (400). **Portrait Painting.** Offered only on request. Prerequisite, any composition course in oil and Art 245. Fourth-year majors only. 5 hours each.
375. **Advertising Illustration.** 5 hours. Not offered 1944-45.
- 385, 386, 387. **Weaving** 3 hours each.
390. **Ceramic Sculpture.** 3 hours.
391. **Stone Sculpture.** 3 hours.
392. **Architectural Modeling.** Suggested for art and industrial education majors. Offered on request. Hours to be arranged with instructor.
- 393, 394, 395. **Applied Materials.** Applications of materials to practical campus problems. Prerequisite, Art 390. 5 hours each.

FOREIGN LANGUAGES

For a major in a language, a student must complete 36 hours in the College of Education or 42 hours in the College of Liberal Arts and Sciences exclusive of 101, 102, and 103. At least one senior-college English and one senior college history course should be included in the language major.

A minor consists of 24 hours of the language exclusive of 101, 102, and 103.

101 and 102 will not be counted as electives toward graduation unless 103 is also completed.

French

- 101, 102, 103. Elementary Course.** 101 is open to students who have had no previous work in French. The prerequisite for 102 is 101 or one year of high school French. 3 hours each.
- 151, 152, 153. Intermediate Composition and Reading.** Prerequisite, 103 or two years of high school French. 3 hours each.
- 201, 202, 203. Survey of French Literature.** Prerequisite, French 153. 4 hours each.
- 220. French Conversation.** Prerequisite, French 151 or three years of high school French. 2 hours.
- 301. The French Novel of the Eighteenth and Nineteenth Centuries.** Prerequisite, French 202. 3 hours.
- 302. Seventeenth and Eighteenth Century French Drama.** Prerequisite, French 203. 3 hours.
- 303. French Lyric Poetry.** Prerequisite, French 203. 3 hours.
- 304. French Contemporary Novel.** Prerequisite, French 203. 3 hours.
- 305. French Contemporary Drama.** Prerequisite, French 203. 3 hours.
- 315a. French and English Literature in the Eighteenth Century** Offered jointly with English department. 5 hours.
- 340. French Literature of the Sixteenth Century.** Prerequisite, French 203. 2 hours.
- 351. Advanced Composition.** Prerequisite, French 203. 4 hours.
- 352. French Conversation and Phonetics.** Prerequisite, French 203. 5 hours.
- 353. Advanced Composition and Conversation.** Prerequisite, French 351, 352. 4 hours.
- 500. Seminar in Contemporary French Literature.** For graduates only. 2 hours.

German

- 101, 102, 103. Elementary Course.** 101 is open to students who have had no previous work in German; 102 is open to those who have had 101 or one year of high-school German. 3 hours each.
- 151. 152, 153. Intermediate Composition and Reading.** Prerequisite, 103 or two years of high-school German. 3 hours each.
- 201, 202, 203. Survey of German Literature.** Prerequisite, German 153. 4 hours each.
- 251. Scientific German.** Prerequisite, German 152 or equivalent. 4 hours.
- 301, 302. Nineteenth Century German Drama.** Prerequisite, German 203. 3 hours each.
- 303. Recent German Drama.** Prerequisite, German 302. 3 hours.
- 304, 305. Goethe, Life and Works.** Prerequisite, German 203. 3 hours each.
- 306. Goethe's Faust.** Prerequisite, German 305. 3 hours.
- 351. German Diction and Phonetics.** Required for prospective teachers of German. 5 hours.

Latin

- 101, 102, 103. Elementary Course.** 101 is open to students who have had no previous work in Latin; 102 is open to those who have had 101, or one year of high-school Latin. 3 hours each.
- 151. Advanced Composition.** Prerequisite, Latin 103 or at least two years of high-school Latin. 4 hours.
- 152. Cicero's Essays.** Prerequisite as for Latin 151. 4 hours.
- 153. Livy.** Prerequisite as for Latin 151. 4 hours.
- 201. Phormio of Terence.** Prerequisite, Latin 153 or equivalent. 4 hours.
- 202. Horace's Odes and Epodes.** Prerequisite, Latin 153 or equivalent. 4 hours.
- 203. Letters of Pliny.** Prerequisite, Latin 153 or equivalent. 4 hours.
- 301. Cicero's Letters.** Prerequisite, Latin 203 or equivalent. 4 hours.
- 302. Vergil's Eclogues and Georgics.** Prerequisites as for Latin 301. 4 hours.
- 303. Tacitus.** Prerequisite as for Latin 301. 4 hours.

340A, 340B. Private Life of the Romans. Either course may be taken separately. 340A, 3 hours; 340B, 2 hours.

Of the following courses three are given each summer, the selection being rotated to suit the needs of the student.

125. Selections from Historians. 4 hours.

126. Ovid's Metamorphoses. 4 hours.

127. Orations of Cicero. Supplementary to high-school work. 4 hours.

335. Vergil's Aeneid, Books VII-XII. 4 hours.

341. Method Latin. A discussion and training course for teachers. 4 hours.

342. Advanced Composition. A careful study based on classic prose-writers. 4 hours.

Portuguese

100. Introductory Course. Especially for Spanish majors and minors. Open to students who have completed Spanish 153 and to others by consent of instructor. 5 hours.

Spanish

101, 102, 103. Elementary Course. Prerequisite for 102 is 101 or one year of high-school Spanish. 3 hours each.

151, 152, 153. Intermediate Composition and Reading. Prerequisite, Spanish 103, or two years of high-school Spanish. 3 hours each.

201, 202, 203. Survey of Spanish Literature. Prerequisite, Spanish 153. 4 hours each.

220. Spanish Conversation. 2 hours.

301. Spanish Novel of the Eighteenth and Nineteenth Centuries. Prerequisite, Spanish 203. 3 hours.

302. Spanish Drama of the Eighteenth and Nineteenth Centuries. Prerequisite, Spanish 203. 3 hours.

315. Arte y Cultura (in Spanish). 3 hours.

333. Spanish American Literature. Prerequisite, Spanish 203, or permission of instructor. 3 hours.

340. The Golden Age. (The Dramatists.) Prerequisite, Spanish 203, or permission of instructor. 3 hours.

345. Cervantes. Prerequisite, Spanish 203, or permission of instructor. 4 hours.

351. **Advanced Composition.** Prerequisite, Spanish 203. 3 hours.
415. **Spanish Phonetics.** 3 hours.
500. **Seminar in Latin American Literature.** For graduates only. 2 hours.

Language

320. **General Language.** This course is designed especially for students who will teach in elementary and rural schools. 4 hours.

Romance Philology

410. **Romance Philology.** Open to both French and Spanish majors. 4 hours.

GEOGRAPHY AND GEOLOGY

Persons who expect to teach in the elementary school are urged to take at least a minor in geography, which must include Geography 100 and 101. Other things being equal, students minoring in geography will be given recommendations for elementary positions over those who are not.

Individuals expecting to teach commercial or economic geography in high school with a medium preparation must have eight semester hours or twelve quarter hours of college preparation. Students should meet this requirement by taking Geography 100, 210, 304, and 324.

Individuals expecting to teach physical geography in high school with a medium of preparation must have twelve semester hours or eighteen quarter hours in college physical geography. Students should meet this requirement by taking Geography 101, 310, Geology 300, and any other physical geography subject (see list of geography courses listed as physical science below).

Offerings in various phases of geography:

Physical Science: 101, 201, 250, 300, 301, 302, 303, 306, 310, 338.

Social Studies: 100, 210, 304, 317, 319, 324, 328, 330, 345.

State and Continental: 313, 314, 315, 316, 318, 320, 321.

Educational: 340, 341, 342.

Geography 100, 101, and 210 are required of all geography majors and minors who enroll after 1939.

100. **Global Geography.** Every term. 5 hours.
101. **(205) Physical Geography.** Every term. 5 hours.
201. **Soil Geology.** 4 hours.
210. **Economic Geography (Economics 210).** 4 hours.
300. **Geomorphology (Physical Geology).** 4 hours.

- 301. **Structural Geology.** 4 hours.
- 302. **Historical Geology.** 4 hours.
- 303. **Economic Geology.** 4 hours.
- 304. **Advanced Economic Geography** (Economics 304). 4 hours.
- 306. **Map and Aerial Photo Reading.** 4 hours.
- 310. **Meteorology.** Winter. 4 hours.
- 312. **Synoptic Meteorology.**
- 313. **Geography of Illinois.**
- 314. **Geography of North America.** 3 hours. Krause.
- 315. **Geography of Europe.** 4 hours. Cox.
- 316. **Geography of South America.** 4 hours.
- 317. **Economic History of the United States** (Economics 317).
- 318. **Geography of Asia.** 4 hours. Cox.
- 319. **Historical Geography of the United States.**
- 320. **Geography of Africa.** 4 hours. Cox.
- 321. **Geography of Australia.** 4 hours. Cox.
- 322. **Geography of the Pacific Realm.** 4 hours. Cox.
- 327. **Landforms of the United States.** 4 hours. Cox.
- 328. **International Trade** (Economics 328).
- 330. **Problems of Political Geography.** 4 hours. Cox.
- 338. **Physical Geography.** (Open only to in-service teachers who have not had Geography 101 or 205.) 4 hours.
- 340. **Geography for Kindergarten and Primary Teachers.** 4 hours. Barton.
- 341. **Intermediate Grade Geography.** 4 hours. Entsminger.
- 342. **Junior and Senior High School Geography.**
- 345. **Geopolitic.** 4 hours. Barton.
- 424 (324). **Restoration and Conservation of Natural Resources.** Required of all Social Science majors. 4 hours. Barton.
- 500. **Seminar.**

GOVERNMENT

An undergraduate major in the College of Education consists of 36 quarters hours; a minor of 24 quarter hours.

A major or minor is recommended for those wishing to teach civics or government courses, and for those wishing to qualify for the study of law.

Senior college students are permitted to take advanced courses in government without any other prerequisites.

Students majoring in government are urged to take as much work as possible in other social science departments, with at least one minor in a related field.

Students planning to take graduate work in government beyond the M.A., should acquire a reading knowledge of both French and German.

Advice as to courses recommended in government and related fields can be obtained from members of the departmental staff.

- 200. **Contemporary Political Problems I.** 5 hours.
- 201. **Contemporary Political Problems II.** (Economics 201). 3 hours.
- 300 (231). **American National Government.** 4 hours.
- 315. **Administration of Justice.** 3 hours.
- 323. **School Law.** Offered jointly by the Department of Government and the Department of Education. 4 hours.
- 325. **War and Defense Policies.** 3 hours.
- 330 (235). **Illinois State Government.** 2 hours.
- 333. **Problems of Southern Illinois.** 3 hours.
- 335 (310). **Government and Business.** (Economics 335). 3 hours.
- 360. **Public Administration.** 4 hours.
- 366. **State and Local Government.** 3 hours.
- 367. **Municipal Government.** 3 hours.
- 370. **International Relations.** 4 hours.
- 372. **International Government.** 3 hours.
- 378. **Latin American Culture and Politics.** Offered jointly by the Department of Government and the Department of Foreign Languages. 5 hours.
- 380. **Political Parties.** 4 hours.
- 385. **Contemporary Political "Isms".** 3 hours.
- 387. **American Political Ideas.** 4 hours.

390. **Comparative Government.** 3 hours.
 420. **Pressure Groups and Politics.** 4 hours.
 450. **Contemporary Legislation.** 4 hours.
 475. (375) **International Law.** 3 hours.
 495. **Constitutional Law.** 3 hours.
 500. **Seminar.** Hours to be arranged.

HISTORY

Thirty-six quarter hours are required for a major in history in the College of Education. In order to satisfy teaching requirements students are urged to take at least 12 of the 36 in American history and 12 in European history. Forty-two quarter hours are required for a major in the College of Liberal Arts and Sciences.

- 105A. **Modern Europe, 1500-1944.** 5 hours.
 110A. **American History, 1775-1944.** 5 hours.
 208. **History of Illinois.** 5 hours. Wright.
 210. **Methods of Teaching History.** 3 hours. Wright.
 304. **History of the Ancient Near East.** 3 hours. Pardee.
 305. **History of Greece.** 3 hours. Pardee.
 306. **History of Rome, 509 B. C. to 500 A. D.** 3 hours. Pardee.
 310. **The Middle Ages.** 5 hours. Barnes.
 315. **Renaissance and Reformation.** 3 hours. Beyer.
 320. **The French Revolution.** 4 hours. Lentz.
 322. **English History to 1603.** 4 hours. Lentz.
 323. **English History, 1603-1815.** 4 hours. Lentz.
 324. **English History, 1815-1944.** 4 hours. Lentz.
 325. **American Colonial History.** 3 hours. Beyer.
 330. **Middle Period of American History, 1815-1860.** 3 hours. Baker.
 335. **Recent American History, 1865-1944.** 3 hours. Lentz, Cramer.
 336. **Recent American History, 1865-1944.** 3 hours. Wright. Cramer.
 340. **History of American Diplomacy.** 5 hours. Cramer.
 344. **European History, 1815-1870.** 3 hours. Baker.
 345. **European History, 1870-1914.** 3 hours. Pardee.

352. **History of Latin America, 1492-1808.** 3 hours. Barnes.
353. **History of Latin America, 1808-1944.** 3 hours. Barnes.
375. **History of Culture, 1000 B. C.—1600 A. D.** 3 hours. Barnes.
380. **The Far East, 1850-1944.** 3 hours. Baker.
- 442 (342). **History of the West, 1763-1803.** 3 hours. Beyer.
- 443 (343). **History of the West, 1803-1843.** 3 hours. Beyer.
- 450 (350). **Europe Since 1914.** 5 hours. Cramer, Barnes.
- 476 (376). **Recent Cultural History.** 3 hours. Barnes.
500. **History Seminar. Research in Regional History. 1865-1944.**
3 hours. Beyer, Barnes.
510. **Special Reading Course.** 3 hours. Beyer, Barnes.

JOURNALISM

200. **Principles of Journalism.** 4 hours. Beyer.
- 300 (400). **Journalism Seminar.** 3 hours.

HOME ECONOMICS

Students may select one of three majors.

In the College of Education they may qualify to teach in a vocational high school by taking the major of 49 hours consisting of the courses marked by E.

In the College of Liberal Arts and Sciences, the courses marked by * are required. This major does not prepare for teaching, but is designed especially for future homemakers.

In the College of Vocations, in the field of Dietetics or Institutional Management, the courses marked by V are required. These should be taken at the earliest opportunity to preserve sequence. Other required courses to be organized are Clothing Selection and Care, Institutional Organization and Management, Quantity Cookery, and Institutional Furnishings and Equipment.

It is most important to secure the approval, by a member of the Home Economics staff, of each term's schedule.

105. ***Foods and Cookery.** An introductory course in foods planned as an elective for freshmen. Fall. 3 hours. Barnes.
127. **E*V Clothing.** Making of underclothing and simple washable dresses over commercial patterns. Fall and Spring. 3 or 4 hours. Woody.
135. **E*V Textiles.** Appreciation of values in the choice of fabrics for clothing and house furnishings. Winter. 4 hours. Woody.

205. **EV Foods and Cookery.** Production, marketing, and nutritive value of foods. Laboratory work in carbohydrates and fats. Majors must have one year of inorganic chemistry. Fall. 4 hours. Barnes.
206. **EV Foods and Cookery.** Production, marketing, preparation, and food values of meat and other protein foods, and of wheat flour. Winter and Spring. 4 hours. Barnes.
220. ***Food in Health.** An elective course planned to help college students with their dietary problems. Winter. 3 hours. Barnes.
224. **E*V Housing and Equipment.** Planning and building of the home and choice of its basic equipment chiefly from the standpoint of cost, comfort, and service. Fall. 4 hours. Woody.
225. **Survey Course in Home Economics.** A course planned especially for those electing a major in elementary education. Units of work in nutrition, school lunches, family and social relationships, textiles, and clothing.
230. **EV Costume Selection and Design.** Dresses designed in inexpensive materials and in pencil. Winter. 2 hours. Woody.
- 307 (237). **E*V Child Care and Training.** A brief study of the physical and mental development of the child and practical aspects of its care and training. Prerequisite, Education 206. Fall. 3 hours. Babcock.
308. **E Home Economics Education.** Philosophy of Vocational Education. Winter. 4 hours. Carty.
309. **E Home Economics Education.** Methods of Teaching Home Economics. Prerequisite or concomitant, 308. Winter. 4 hours. Babcock.
320. **EV Nutrition and Dietetics.** A study of the body's need for energy, growth, and regulation. Planning of dietaries for people of various ages and activities and at different cost-levels. Prerequisites, Home Economics 205, 206, and at least one term of organic chemistry. Spring. 4 hours. Barnes.
322. **Textiles and Clothing.** A course organized to help senior college majors in Home Economics to meet the requirements prerequisite to senior college courses. 3 hours. Woody.
325. **E*V Home Management, Lectures.** Managerial problems involved in the use of time, energy, and money. Spring. 3 hours. Babcock.
- 325A. **E*V Home Management, Residence.** Actual experience in a house, with various household management problems. Prerequisites or required concomitants, 327, 307. Spring. 4 hours. Babcock.

326. **E* Home Furnishings.** Good taste in the choice of many things used in the home. No prerequisite. Spring. 4 hours. Woody.
327. **E*V Family Relationships.** A study of the factors that promote stability in the family group, and the responsibilities of the family toward community life. Winter. 3 hours. Babcock.
335. **E*V Meal Planning and Table Service.** Selection and care of table appointments. Planning, preparation, and serving of formal and informal meals. Winter. 4 hours. Barnes.
340. **Diet and Disease.** Modifications of the normal diet as necessitated by diabetes, goitre, gastric ulcers, fevers, etc. Prerequisite, 220 or 320. Required for majors in hospital dietetics. Last half of the Spring term. 3 hours. Barnes.
360. **E Advanced Dressmaking.** Includes tailoring in wool and developing dresses in materials chosen for variety in pattern. Fall. 4 hours. Woody.

INDUSTRIAL EDUCATION

The department of Industrial Education offers curricula for men and women in the College of Education and the College of Vocations.

In the College of Education curricula leading to the bachelor's degree are designed for prospective teachers of Industrial Arts and Industrial Vocational Education for the elementary and high schools.

In the College of Vocations curricula leading to the Bachelor of Science Degree are designed for industrial workers in various trades and other positions in industry.

Intensive study in curricula designed to prepare workers in as short a period of time as possible will be provided those persons who want to develop employability or increase their skill in specific jobs but are not candidates for the degree. These curricula will be adapted to the needs of the individual students, and are open to all people who can benefit by such work. They will vary in length from a few weeks to three years. They will accommodate persons who want to learn a new vocation or upgrade themselves in the work in which they are now employed.

Sixteen hours of work in Industrial Education may be counted as general education and applied toward the degree in the College of Liberal Arts and Sciences.

101. **Mechanical Drawing.** 4 hours.
102. **Architectural Drawing.** 4 hours.
103. **Machine Drawing.** 4 hours.
140. (111). **General Shop.** 4 hours.
141. (112). **General Shop.** 4 hours.

- 142. **General Shop.** 4 hours.
- 211. **Woodwork.** 4 hours.
- 212. **Furniture Design and Construction.** 4 hours.
- 221. **Art Metal.** 4 hours.
- 225. **Sheet Metal.** 4 hours.
- 226. **General Metal.** 4 hours.
- 230 (203). **Elementary Handwork.** 3 hours.
- 231. **Laboratory of Arts and Industries.** 4 hours.
- 304. **Advanced Architectural Drawing.** 4 hours.
- 305. **Advanced Machine Drawing.** 4 hours.
- 306. **Industrial Arts Design.** 4 hours.
- 307. **Vocational Drafting.** 4 hours.
- 308. **Vocational Drafting.** 4 hours.
- 309. **Vocational Drafting.** 4 hours.
- 313. **Furniture Construction.** 4 hours.
- 314. **Pattern Making and Foundry.** 4 hours.
- 320. **Electrical Construction.** 4 hours.
- 322. **Machine Metal.** 4 hours.
- 323. **Machine Metal.** 4 hours.
- 324. **Machine Metal.** 4 hours.
- 325. **Vocational Machine Shop.** 4 hours.
- 326. **Vocational Machine Shop.** 4 hours.
- 327. **Vocational Machine Shop.** 4 hours.
- 330 (431). **Special Problems in the Arts and Industries.** 4-12 hours.
- 331. **Industrial Education Seminar.** Study and research as to methods of making and using instructional aids in industrial Education. Credit to be arranged with teacher.
- 332. **Industrial Education Seminar.** Design of Industrial Education projects and their preparation for publication. Credit to be arranged with teacher.
- 333. **Problems of Industrial Education.** 4 hours.
- 337. **Organization of Industrial Education Shops and Courses.** 4 hours.

LIBRARY SCIENCE

See Education 351, 352, and 353.

MATHEMATICS

Students who are beginning college mathematics may choose Mathematics 106 or 111. Either course satisfies part of the physical-science requirement and counts toward a major or minor in mathematics. Mathematics 111 is recommended for students who may want to take more than two mathematics courses, including all who expect to major in chemistry, physics, or mathematics. No student is allowed credit for both 106 and 111.

- 106. General Mathematics I.** Topics in college algebra and business mathematics. 4 hours. Prerequisite, high-school algebra (1 year).
- 107. General Mathematics II.** Business mathematics, including annuities certain, life annuities, and life insurance. 4 hours. Prerequisite, 106 or 111.
- 111. Elementary Mathematical Analysis I.** Topics in college algebra, and trigonometry as far as the solution of right triangles. 4 hours. Prerequisite, high school mathematics (2 years).
- 112. Elementary Mathematical Analysis II.** Additional topics in college algebra. Trigonometry, including logarithms. 4 hours. Prerequisite, 111 or 106.
- 113. Elementary Mathematical Analysis III.** Plane analytic geometry. 5 hours. Prerequisite, 112.
- 206. Mathematical Theory of Finance.** 3 hours.
- 210. Mathematics for Elementary Teachers.** 4 hours.
- 251. Calculus I.** 4 hours. Prerequisite, 113. Fall.
- 252. Calculus II.** 4 hours. Prerequisite, 251. Winter.
- 303. Calculus III.** 4 hours. Prerequisite, 252. Spring.
- 307. Statistical Methods.** 5 hours. Prerequisite, two terms of college mathematics.
- 311. The Teaching of Secondary Mathematics.** 3 hours. Prerequisite, four terms of college mathematics.
- 312. Spherical Trigonometry.** 3 hours. Prerequisite, 112.
- 313. Solid Analytic Geometry.** 4 hours. Prerequisite, 113.
- 320. Theory of Equations I.** 3 hours. Prerequisite, 251.
- 325. Mathematics for Primary Teachers.** 3 hours. Prerequisite, 210. Mott.

- 405 (305). **Differential Equations I.** 3 hours. Prerequisite, 252.
- 406 (306). **Differential Equations II.** 3 hours. Prerequisite, 305.
- 421 (321). **Theory of Equations II.** 3 hours. Prerequisite, 320.
- 430 (330). **Synthetic Projective Geometry.** 4 hours. Prerequisite, 113.
- 451 (351). **Infinite Series.** 3 hours. Prerequisite, 303.
- 452 (352). **Foundations of the Calculus.** 3 hours. Prerequisite, 303.
- 460 (360). **College Geometry.** 4 hours. Prerequisite, twelve hours of college mathematics.

MUSIC

Fifty quarter hours are required for a major in music. These must include 105, 106, 107, 225, 230, 231, and twelve quarter hours of applied music in the major applied, and six quarter hours in the minor applied. For other requirements, the student should consult the Head of the Music Department.

Scholarships amounting to ten dollars each per term are available to the most valuable and talented members of the college music organizations—the band, orchestra, chorus, and women's ensemble.

All music majors must maintain satisfactory membership in at least one college music organization during their college attendance.

- 100 (205). **Music Understanding.** 3 hours.
105. **Introductory Music Theory, Sight Singing, and Ear Training.** 3 hours.
106. **Sight Singing and Ear Training.** 3 hours.
107. **Advanced Sight Singing and Ear Training.** 3 hours.
220. **Rural School Music.** 4 hours.
225. **Harmony I.** 4 hours.
230. **Harmony II.** 4 hours.
231. **Harmony III.** 4 hours.
300. **Materials, Methods, and Problems Pertaining to Music Taught in the First Six Grades.** 4 hours.
302. **School Music Materials.** 3 hours.
304. **Music Appreciation.** Prerequisites, 100 and 305-I or 305-V. 3 hours.
- 305-I. **Instrumental Problems, Materials and Conducting.** 3 hours.

- 305-V. Vocal Problems, Materials and Conducting.** 3 hours.
- 306. Materials, Methods and Problems Pertaining to Vocal Music Taught in the Junior High School.** 3 hours.
- 307. Song Leading and Community Music.** 3 hours.
- 310. Orchestration.** 2 hours.
- 311. Bandstration.** 2 hours.
- 312. Musical Form and Harmonic Analysis.** Prerequisite, 231. 4 hours.
- 315. Choral Reading.** 2 hours.
- 316. Advanced Choral Reading.** A continuation of 315. 2 hours.
- 317. Advanced Choral Reading.** A continuation of 316. 2 hours.
- 320. Modern Harmony.** 4 hours.
- 322. Free Composition.** Prerequisites, two courses from the follow-in group: 312, 320, 325, 330. Admission only with permission of the instructor. 4 hours.
- 325. Counterpoint.** 4 hours.
- 330. Advanced Counterpoint.** 4 hours.
- 335. Music History.** 3 hours.
- 336. Music History.** 3 hours.
- 337. Music History.** Begins with Wagner and emphasizes the modern period. 3 hours.
- 340 (401). Music Esthetics Research.** Student must have permission of the Head of the Music Department before taking this work. 1 hour or more by arrangement.
- 355. Chamber Music.** 2 hours.
- 365. Chamber Music for Woodwind or Brass Instruments.** 2 hours.
- 375. Keyboard Harmony.** Improvisation, transposition, and modulation. Prerequisite, at least four years of piano study and one year of harmony. 3 hours.

APPLIED MUSIC:

- 150, 151, 152. First-Year Violin.** Class or private lessons. 1 hour each.
- 160, 161, 162. First-Year Woodwind and Brass.** Class or private lessons. 1 hour each.
- 163. Wind and Percussion Class Lessons.** Summer. 3 hours.

- 170, 171, 172. **First-Year Piano.** Class or private lessons. 1 hour each.
173. **Piano Class Lessons.** Summer. 3 hours.
- 190, 191, 192. **First-Year Voice.** Class or private lessons. 1 hour each.
193. **Voice Class Lessons.** Summer. 3 hours.
- 250, 251, 252. **Second-Year Violin.** Class or private lessons. 1 hour each.
- 260, 261, 262. **Second-Year Woodwind and Brass.** Class or private lessons. 1 hour each.
- 270, 271, 272. **Second-Year Piano.** Class or private lessons. 1 hour each.
- 290, 291, 292. **Second-Year Voice.** Class or private lessons. 1 hour each.
- 350, 351, 352. **Third-Year Violin.** Class or private lessons. 1 hour each.
- 356, 357, 358. **Fourth-Year Violin.** Private lessons only. 1 hour each.
- 360, 361, 362. **Third-Year Woodwind and Brass.** Private lessons only. 1 hour each.
- 370, 371, 372. **Third-Year Piano.** Private lessons only. 1 hour each.
- 390, 391, 392. **Third-Year Voice.** Private lessons only. 1 hour each.

PHILOSOPHY

A minor in philosophy consists of twenty-four term hours. Certain closely related subjects in other departments may be counted on the minor, subject to the consent of the philosophy instructor.

200. **Approaches to Knowledge.** 3 hours.
- 290, 390. **American Thought.** 4 hours.
300. **Types of Philosophy.** This course fills the philosophy requirement in the College of Liberal Arts and Sciences. 4 hours.
310. **Introduction to Reflective Thinking.** 3 hours.
316. **Ethics.** This course fills the philosophy requirement in the College of Liberal Arts and Sciences. 4 hours.
320. **Philosophy of Religion.** 4 hours.
345. **Philosophy of Art.** 4 hours.
355. **Philosophy of Education.** This course may count on the education requirement as Education 355. 4 hours.

PHYSICAL EDUCATION FOR MEN

P. Ed. 151, 152, and 153 are required of all freshmen. All students must have these courses for graduation, or offer in lieu thereof three quarters of competition on a varsity squad, each quarter in a different sport. P. Ed. 145, 149, 151, 152, 153, 170, 171, 172, 173, 174 do not count toward a major or minor.

Thirty-six quarter hours in the Department of Physical Education and approval of the head of the department are required for a major.

The following courses in the Physiology Department are recommended for majors and minors: 209a 230, 300, and 303.

- 145. Physical Education.** The equivalent of 151, 152, 153. Summer. 2 hours.
- 149. Modified Physical Education.** For students with functional or structural disorders. (Credit equivalent to 151, 152 or 153.) Five hours a week. 2 hours.
- 151. Physical Education.** Five hours a week. Fall. 2 hours.
- 152. Physical Education.** Five hours a week. Winter. 2 hours.
- 153. Physical Education.** Five hours a week. Spring. 2 hours.
- 170, 171, 172, 173, 174.** Two quarter hours credit may be earned by participation in one of the following varsity sports: football, basketball, track, tennis, and gymnastics.
- 201. Boxing.** The theory and practice of boxing. One hour a day, four days a week. Winter. 3 hours.
- 202. Wrestling.** The theory and practice of wrestling. One hour a day, four days a week. Winter. 3 hours.
- 203. Gymnasium Activities I.** Two hours a day, four days a week. Winter. 4 hours.
- 210. Techniques of Basketball.** One hour a day, four days a week. Winter. 2 hours.
- 220. Recreational Activities I.** One hour a day, four days a week. 2 hours.
- 221. Recreational Activities II.** One hour a day, four days a week. 2 hours.
- 230. Folk Dancing.** Winter. Two days a week. 1 hour.
- 236. Tap and Character Dancing.** Two days a week. 1 hour. Winter.
- 250. Materials and Methods for Teaching Physical Education in the Elementary Schools.** One hour a day, four days a week. Spring. 4 hours.

251, 252, 253. Physical Education.

- 256. Track and Field Theory and Techniques.** Two hours a day, five days a week. Spring. 5 hours.
- 257. Techniques of Football.** One hour a day, four days a week. Fall. 2 hours.
- 258. Football Theory.** Prerequisite, 257, or permission of the instructor. One hour a day, three days a week. Fall, 3 hours.
- 259. Six-Man Football.** Prerequisite, 257, or permission of the instructor. One hour a day, three days a week. 3 hours.
- 260. Playground Administration.** One hour a day, five days a week. 4 hours.
- 301. Gymnasium Activities II.** A continuation of Gymnasium Activities I. Two hours a day, five days a week. Prerequisite, 203. Winter. 5 hours.
- 302. Materials and Methods for Teaching Physical Education Activities in Junior and Senior High Schools.** One hour a day, four days a week. 4 hours.
- 303. Kinesiology.** Prerequisite, Physiology 209a. One hour a day, five days a week. 5 hours.
- 325. Recreational Leadership.** Two hours a day, five days a week. 4 hours.
- 330. Theory of Basketball.** One hour a day, three days a week. Prerequisite, Physical Education 210. 3 hours.
- 353. Organization and Administration of Physical Education.** One hour a day, four days a week. 4 hours.

PHYSICAL EDUCATION FOR WOMEN

The courses required for graduation must include the following:

- (I) Three (3) courses selected from the following group: 101, 101A, 102, 102A, 103, 103A, and
- (II) Two (2) courses selected from the following: 201A, 202A, 203A, 211, 212, 213, 214, 215, 216, 218, 222, 230, 233, 236, and 239.
- (III) However, students majoring or minoring in physical education must take the following courses: 104, 105, 106, 223, 224, and 225, which corresponds to the six (6) activity hours required of all college students.

Not more than one of these courses may be taken in any one term without special permission from the Department.

Students who are advised by the Medical Department to restrict their activities should register in a course marked with an "A" following the number or one that is marked *.

Forty-two (42) hours in addition to the above listed courses are required for a major in physical education, a total of forty-eight (48) hours. Twenty-four (24) hours are required for a minor in physical education.

A major in this Department must include the following courses: 245, 303, 304, 305, 306, 307, 308, 350, 351, 352, 353, 313, 314, 315, 413, 414, and 415.

A minor in this Department must include the following: 244, 245, 305, 306, 307, 308, and 350.

All activity courses numbered 100 meet three (3) days a week.

All activity courses numbered 200 meet two (2) days a week.

101. Volleyball and Soccer. Fall. 1 hour.

101A. Individual Physical Education. Horseshoes, roque, miniature golf, badminton, and shuffleboard. Fall. 1 hour.

102. Basketball and Folk Dancing. Winter. 1 hour.

102A. Individual Physical Education. Table tennis, bowling, postural corrections. Winter. 1 hour.

103. Softball and Stunts. Spring. 1 hour.

103A. Individual Physical Education. Paddle tennis, golf, fundamental rhythms. Spring. 1 hour.

104. Volleyball and Speedball. For majors and minors. Fall. 1 hour.

105. Basketball and Folk Dancing. For majors and minors. Winter. 1 hour.

106. Softball and Stunts. For majors and minors. Spring. 1 hour.

201A. Adapted Physical Education. Special hours to be arranged by conference.

202A. Adapted Physical Education. Special hours to be arranged by conference.

203A. Adapted Physical Education. Special hours to be arranged by conference.

211. Hockey. Fall. 1 hour.

212. Basketball. Winter. 1 hour.

213. Softball. Spring. 1 hour.

***214. Archery.** 1 hour.

***215. Badminton.** 1 hour.

216. **Tennis.** 1 hour.
218. **Individual Sports.** Badminton, duck pins, and other recreational sports. Not open to those who have had 101A, 102A, and 103A.
- *222. **Golf.** Spring. 1 hour.
223. **Hockey Techniques and Skills.** For majors and minors. Fall. 1 hour.
224. **Tap Dancing.** For majors and minors. Winter. 1 hour.
225. **Skills and Techniques of Tennis.** For majors and minors. 1 hour.
- *230. **Folk Dancing.** Winter. 1 hour.
233. **Modern Dance.** 1 hour.
- *236. **Tap and Character Dancing.** Winter. 1 hour.
- *239. **Social Dancing.** Beginners only. Winter. 1 hour.
313. **Speedball.** For majors and minors. Fall. 1 hour.
314. **Modern Dance.** For majors and minors. Winter. 1 hour.
315. **Golf.** For majors and minors. Spring. 1 hour.
413. **Archery.** For majors and minors. Fall. 1 hour.
414. **Advanced Dancing.** For majors and minors. Winter. 1 hour.
415. **Recreational Sports.** For majors and minors. Spring. 1 hour.

THEORY COURSES:

219. **The Theory and Practice of Teaching Elementary School Group Activities.** Required of all students majoring in elementary education. Spring. 3 hours.
244. **Survey and Introduction to Physical Education.** Fall. 2 hours.
245. **Conduct of Play Activities.** Winter. 4 hours.
248. **Club and Community Leadership.** Spring. 2 hours.
303. **Kinesiology.** Taught in the Department of Physical Education for Men. Spring. 5 hours.
304. **Techniques of Seasonal Sports.** Soccer and Volleyball. Fall. 2 hours.
305. **Techniques of Seasonal Sports.** Hockey and Speedball. Fall. 2 hours.
306. **Techniques of Seasonal Sports.** Winter. 2 hours.

307. **Techniques of Seasonal Sports.** Spring. 2 hours.
308. **Method of Teaching Dance.** Winter. 2 hours.
310. **Theory of Officiating.** Field hockey. Fall. 1 hour.
311. **Theory of Officiating.** Basketball. Winter. 1 hour.
312. **Theory of Officiating.** Softball and other seasonal sports. Spring. 1 hour.
345. **Supervision of Physical Education.** Spring. 2 hours.
350. **Materials and Methods for Teaching in Elementary and Secondary Schools.** Fall. 3 hours.
351. **Recreation and Physical Education for the Atypical and Handicapped Individual.** Fall. 3 hours.
352. **History and Principles of Physical Education.** Winter. 4 hours.
353. **Organization and Administration of Physical Education.** Spring. 4 hours.

PHYSICS AND ASTRONOMY

A major consists of thirty-six quarter hours, a minor of twenty-four. Majors, and minors so far as is practicable, should take mathematics courses. 111, 112, 113, 251, 252 and 303.

- 101, 102. **Survey Course in Physics.** Students who have had a year of physics in high school are not admitted to these courses. 4 hours.
109. **Household Equipment.** 4 hours.
206. **Mechanics and Sound; 207. Magnetism and Electricity; 208. Heat and Light.** These constitute a general college course in physics for those who have had high school physics. 4 hours each.
301. **Mechanics.** 4 hours.
- 301A. **Analytical Mechanics for Engineers.** No student should take both 301 and 301A. Prerequisite, Calculus or registration therein. 4 hours.
303. **Heat.** 4 hours.
305. **Magnetism and Electricity.** 4 hours.
306. **Magnetic and Electrical Measurements.** 4 hours.
308. **Sound.** 4 hours.
310. **Light.** 4 hours.

312. **Radio.** 4 hours.
 314. **Introduction to Modern Physics.** 4 hours.
 316. **History of Physics.** 4 hours.
 201, 202. **Astronomy.** 4 hours each.
 301, 302. **Astronomy.** 4 hours each.
 401. **Mechanics, Advanced.** 4 hours.
 405. **Electricity and Magnetism, Advanced.** 4 hours.

PHYSIOLOGY AND HYGIENE

200. **Control of Communicable Diseases in Public Schools.** 2 hours.
 202. **Health Education.** 4 hours.
 203. **Physical Handicaps to Learning.** 3 hours.
 206. **Hygiene of the Home.** 2 hours.
 209a. **Introduction to Physiology.** 4 hours.
 210. **Home Nursing.** 3 hours.
 230. **Safety in Physical Education.** 2 hours.
 300. **Anatomy.** 4 hours.
 301. **Bacteriology.** 4 hours.
 303. **Physiology of Exercise.** 2 hours.
 306. **Teaching of Health Education.** 3 hours.
 311. **Child Development.** 2 hours.
 355. **Public Health.** 4 hours.

SOCIOLOGY

A major in sociology consists of 42 quarter hours in the College of Liberal Arts and Sciences and 36 hours in the College of Education.

Those who plan to do graduate work in sociology should major in sociology. Work in sociology is recommended also for those planning to enter the ministry.

Students majoring in sociology are urged to minor in at least one other social science department and to take work in all the social sciences.

Geography 324 and History 375 or 376 may be counted toward a major in sociology.

Orientation for Social Work (See page 48)—Those who plan to go into social work upon graduation should consult with the Head of the Sociology Department concerning the special orientation courses for social work.

- 101. **Introductory Sociology.** 5 hours.
- 201. **Sociology of Rural Life.** 3 hours.
- 202. **Social Pathology.** 4 hours.
- 210. **Cultural Anthropology.** (Economics 211). 3 hours.
- 215. **Population Problems.** (Economics 215). 2 hours.
- 301. **Juvenile Delinquency.** 3 hours.
- 305. **Social Institutions.** (Economics 306).
- 310. **The Family.** 3 hours.
- 311. **Urban Sociology.** 3 hours.
- 315. **Crime and Its Treatment.** 4 hours.
- 320 (220). **Race Relations.** 3 hours.
- 321. **Teaching of the Social Studies in High School.** 2 hours.
- 325. **Industrial Sociology.** 4 hours.
- 330. **Propaganda Analysis.** 3 hours.
- 331. **Social Control.** 3 hours.
- 333. **Problems of Southern Illinois.** (Government 333). 3 hours.
- 335. **Introduction to Social Works.** 3 hours.
- 339. **Guidance and Personnel Administration.** 4 hours.
- 339A. **Supervised Field Work.** 2 hours.
- 339B. **Supervised Field Work.** 2 hours.
- 340. **Educational Sociology.** 3 hours.
- 348. **Principles of Social Case Work.** 3 hours.
- 355. **Social Psychology.** 3 hours.
- 360. **Social Security.** (Economics 361). 4 hours.
- 369. **Sociology of Leadership.** 3 hours.
- 370. **Social Implications of Religions.** 4 hours.
- 375. **Community Organizations.** 3 hours.
- 381. **Personality and Social Adjustments.** 4 hours.
- 381A. **Supervised Field Work.** 2 hours.

- 381B. Supervised Field Work.** 2 hours.
- 400. The Rise and Fall of World Cultures.** 4 hours.
- 450 (350). History of Social Thought.** 3 hours.
- 492 (390). Social Background of World War II.** 5 hours.
- 510 (410). Social Research Methods.** 3 hours.
- 545. Advanced Current Social Problems.** 3 hours.

ZOOLOGY

A total of forty to forty-four quarter hours is required for a major in Zoology. Six courses are required for a minor.

Zoology 101, 105, 200, 201, 300, 320 and 335 or their equivalents are required of all majors in Zoology.

Zoology 101, 200, 201, 300, 320 and 321 are courses which will be of great value to pre-medical and pre-dental students, and those planning to take nurses' training.

- 101. General Vertebrate Zoology.** 5 hours.
- 105. General Invertebrate Morphology.** 5 hours.
- 200. Comparative Vertebrate Anatomy I.** Skeleton and Muscles. Prerequisite, Zoology 101. 5 hours.
- 201. Comparative Vertebrate Anatomy II.** Digestive, circulatory, nervous and reproductive systems. 5 hours. Prerequisite, Zoology 200.
- 210. General Ornithology.** Prerequisite, Zoology 101. 4 hours.
- 215. Entomology.** Prerequisite, Zoology 105. 4 hours.
- 220. Field Zoology.** Prerequisites, Zoology 101 and 105. 5 hours.
- 300. Vertebrate Embryology.** Prerequisite, Zoology, 101, 201. 5 hours.
- 315. Genetics.** Prerequisite, approval of the Department. 5 hours.
- 335. Taxonomic and Field Zoology.** 4 hours. Not to be taken by students who have had Zoology 220.
- 351. Economic Biology.** 4 hours.
- 380. History of Biology.** Prerequisites, one year of botany and zoology. 4 hours.
- 405 (305). Comparative Anatomy of Invertebrates.** Prerequisites, Zoology 105. 4 hours.

- 420 (320). **Histology of Organs.** Prerequisite, one year of zoology. 4 hours.
- 421 (321). **Histological Technique in Biology.** 5 hours.
- 470 (370). **Methods in Biology.** 4 hours.
- 500 (400). **Parasitology.** Prerequisites, two years of zoology. 4 hours.
- 510 (410). **Bio-ecology.** Prerequisites, Zoology 220 and Botany 203. 4 hours.
- 522 (322). **Advanced Histology.** Prerequisite, Zoology 321. 4 hours.

Enrollment by Terms, 1943-44

	Men	Women	Total	Total Registrants
1st Summer, 1943.....				712
Freshmen	45	83	128	
Sophomores	30	122	152	
Juniors	32	164	196	
Seniors	52	116	168	
Graduates	10	25	35	
Unclassified	11	22	33	
Total Residence	180	532	712	
2nd Summer, 1943.....				395
Freshmen	32	44	76	
Sophomores	21	58	79	
Juniors	17	79	96	
Seniors	36	88	124	
Graduates	7	6	13	
Unclassified	2	5	7	
Total Residence	115	280	395	
Fall, 1943				1260
Freshmen	128	295	423	
Sophomores	28	121	149	
Juniors	18	86	104	
Seniors	24	65	89	
Graduates	2	3	5	
Unclassified	7	8	15	
Total Residence	207	578	785	
Extension (duplicates excluded)	117	358	475	

Winter, 1943-44				872
Freshmen	93	239	332	
Sophomores	41	140	181	
Juniors	14	72	86	
Seniors	18	62	80	
Graduates	4	5	9	
Unclassified	5	8	13	
	<hr/>	<hr/>	<hr/>	
Total Residence	175	526	701	
Extension (duplicates ex- cluded)	45	126	171	
Spring, 1944				665
Freshmen	59	225	284	
Sophomores	28	144	172	
Juniors	22	76	98	
Seniors	21	79	100	
Graduates	1	2	3	
Unclassified	5	3	8	
	<hr/>	<hr/>	<hr/>	
Total Residence	136	529	665	
Extension (duplicates ex- cluded)	25	108	133	

These Figures Do Not Include Aviation Cadet Candidates

BACHELOR OF EDUCATION DEGREE

1943

Bob Vincent Allen
 Augustus Sidney Ayers
 Mabel Wallace Baldwin
 Willard Hiram Barker
 Terence D'Mar Barnes
 A. Stanley Beck, Jr.
 James Radford Belt
 Milforde Blackwell
 Ralph Henry Boatman, Jr.
 Marjorie Evalyn Boettcher
 Eugene Francis Boughan
 Elsie Gay Bowers
 Norman C. Brinkman
 Earle Melvyn Brooks
 Eugene Gale Brown
 Helen Rosalie Brown
 Anna Brummet
 Lucille Dillow Busenhart
 Dick Cagle
 Clyde Norman Campbell
 Flora Alma Carey
 Marie Carpenter
 Thomas Francis Clark
 W. T. Clark, Jr.
 Robert Frederick Clendenin
 James Taylor Clinton
 Marjorie L. Clotfelter
 Sarah Lou Cooper
 Gene Paul Crawshaw
 Ellen Grahame Crichton
 Harry Louis Davis
 Nancy Lucille Davis
 Martha C. Dickson
 Lorraine Marie Ditzler
 Ruth E. Dixon
 Dorothy Downey
 Helen Pyatt Dry
 Hubert Dunn
 Wilma Margaret Eads
 George Wheeler Edwards
 John K. Ellis
 Vanita Ellis
 Melba Marie Ertelt
 Ruth Entsminger Etherton
 Marguerite Boyd Ewing
 Elizabeth Fairbairn
 Phyllis Anne Victoria Ferrier
 Mary Forbes Foulon
 Evelyn Frakes
 Helen L. Friend
 Anthony Gallo
 Velva H. Gatlin
 Edwin Clyde Gieselman, Jr.
 Russell Arthur Giger
 Karl Donald Gladson
 Hildegard Ann Glahn
 Mary Lou Hampton Goar
 Jean Shellabarger Grandfield
 Paul A. Green
 Alene Mae Griffiths
 Charles Dudley Grigg
 Kathleen Hall
 Mollie Sneed Hall
 Celestine Ann Halpin
 Charles T. Hampton
 Stevetta G. Harrell
 Mariam Howard Harris
 Gladys A. Hathaway
 Lorene Geneva Haynes
 Peggy Frances Henry
 Rex Henson
 Norman Herren
 Victor Hicken
 Morris Hilyard
 Doris Holt
 Roberta Catherine Hopper
 Mary Ann Huelsmann
 Frances Wilson Hughes
 Wilma Williams Hunter
 Kathleen Isom
 Carl Leonard Jacobs
 Amy Mae Jones
 Harold Wayne Kallenbach
 Gail Hubert Karnes
 Dempsey Maurice Keene
 Margaret Pauline Keene
 Wanda Ruth Kiel
 Henry J. Kinsman, Jr.
 Esther Knefelkamp
 Marie B. Knobeloch
 Esther Marie Kopp
 Dorothy Mae Kunath
 Mabel Sickman Lane
 Roscoe T. Lauderdale
 William Robert Lawrence
 Ethel May Layman
 Ruth Lemmel
 Edward Ralph Ligon
 Veta Joyce Ligon
 Patricia A. Lill
 Charles Leland Lockard
 Delmar Eudell Loveall
 Lorma Ludwig
 Erna Lunde
 Louie Frank Macchi
 Evelyn Ann Mackross
 Gladys Jane Magness
 June Mallams
 Florence Tegtmeier Markus
 Evalyn Marquardt
 Marilyn Martin
 Julia Margaret Mason
 Esther Alison Mathis
 Elizabeth Nella Matthews
 Louise Graves McCarty
 Joy McIlrath
 Donald Ray McNew
 Jane Meisenheimer
 Betty Jane Mercer
 Mitzi Mercer
 Charles Harold Mescher
 Clifford Eldon Meyers
 Mary Magdalene Mifflin
 Dorothy A. Miller
 Ella Cloud Miller
 Kathleen Miller
 Lois M. Mitchell
 Rolla Vernon Mitchell
 John Thomas Moake
 Mary Elizabeth Moffitt
 Frances May Moore
 Jane Alvanette Moore
 Marjorie Lee Mullinax
 E. Earl Neal
 Ellis J. Neal
 Essie Ray Nelson
 Myrl E. Newcom
 Robert Earl Noel
 Kenneth Robb Oliver
 Rosemary Oshel
 Frank Joseph Owens
 Marcia Loretta Parker
 Harry Lloyd Patrick

Paul Floyd Payne
Darrel A. Pearce
John Stanley Pearce
Marshall Wade Pearce
Philip Norse Pemberton
Letha McNeil Penn
John B. Perenchio
Margaret L. Perry
Lela Morris Phelps
Virginia June Plummer
Wm. J. Purdue
Eugene F. Quinn
Dixon Carter Ragsdale
Ray Victor Reagan
George Reed
William Howard Reynolds
Lodema Sue Rowe
Ruby Neal Sanders
Frieda Caroline Schlueter
Meryl Thompson Schroeder
Irma Pauline Schutte
George William Senteney
Miriam Shavitz
Jessie Shaw
Mildred E. Shomaker
S. Aladine Shomaker
Ruth Eileen Simpson

Ruth Smith
Lyle P. Soeteber
Dorothy Margaret South
Mary Ruth Sowers
Anna Mae Stanley
Elaine Steinheimer
Warren David St. James
Harold Lee Swope
Oscar Wayne Thomas
William W. Townes
Beatrice Tuttle
Eugene Joseph Ulrich
Ireen Caroline Urbanik
Ann Vitko
Sammie Jane Wagner
Mamie Walker
Russell Sanford Ward
Cleta Greer Whitacre
Beatrice Rosella White
Mabel Whiteside
Hayward Whitlock
Anna Williams
Harry H. Wood, Jr.
Amanda Matilda Worthen
Julia Florence Wylie
Muriel Adina Young
Fred Wesley Zimmerman

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