BULLETIN
OF THE
Iowa State Teachers College
CEDAR FALLS, IOWA

CATALOGUE
1930-31
INCLUDING ANNOUNCEMENTS FOR 1931-32

Volume XXXII, Number 1
January, 1931

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Iowa State Teachers College

governed by

THE IOWA STATE BOARD OF EDUCATION

The Iowa State Teachers College, as well as the State University of Iowa, and the Iowa State College of Agriculture and Mechanic Arts, is governed by the Iowa State Board of Education, consisting of nine members, appointed by the Governor of the State. The finances are administered by a Finance Committee, consisting of three members, appointed by the Board.

OFFICERS OF THE BOARD

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WILLIAM H. GEMMILL, Secretary

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CHARLES C. SHEAKLEY, New Hampton
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GEORGE W. GODFREY, Algona

GEORGE T. BAKER, Davenport
ANNA B. LAWThER, Dubuque
WILLARD C. STUCKSLAGER, Lisbon

Terms expire July 1, 1931

Terms expire July 1, 1933

Terms expire July 1, 1935

MEMBERS OF THE FINANCE COMMITTEE

Office, Des Moines

WILLIAM R. BOYD, Cedar Rapids, Chairman
WILLIAM H. GEMMILL, Des Moines, Secretary
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COMMITTEES OF THE BOARD

Faculty Committee

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GEORGE T. BAKER
PAULINE L. DEVITT

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SAMUEL J. GALVIN
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CALENDAR FOR 1931-32

Summer Quarter, 1931—Twelve Weeks

1931
June 3, Wednesday—Registration, 7:00 a. m. to 5:00 p. m.
June 4, Thursday—Instruction begins, 7:30 a. m.
Aug. 20, Thursday—Commencement, 7:30 p. m.
Aug. 21, Friday—Term ends, 12:00 noon

Fall Quarter, 1931—Twelve Weeks

Sept. 8, Tuesday—Registration of First Year Students, 8:00 a. m. to 5:00 p. m. (All first year students enrolling for the first time must report at the auditorium promptly at 8:00 a. m.)
Sept. 9, Wednesday—Registration of Upper Classmen, 8:00 a. m. to 5:00 p. m.
Sept. 10, Thursday—Instruction begins, 8:00 a. m.
Nov. 25, Wednesday—Commencement; term ends, 5:00 p. m.

Winter Quarter, 1931-32—Twelve Weeks

Nov. 30, Monday—Registration, 8:00 a. m. to 5:00 p. m.
Dec. 1, Tuesday—Instruction begins, 8:00 a. m.
Dec. 18, Friday—Holiday recess begins, 5:00 p. m.

1932
Jan. 4, Monday—Instruction resumed, 8:00 a. m.
Mar. 4, Friday—Commencement; term ends, 5:00 p. m.

Spring Quarter, 1932—Twelve Weeks

Mar. 7, Monday—Registration, 8:00 a. m. to 5:00 p. m.
Mar. 8, Tuesday—Instruction begins, 8:00 a. m.
May 30, Monday—Commencement; term ends, 12:00 noon.

Summer Quarter, 1932—Twelve Weeks

June 1, Wednesday—Registration, 7:00 a. m. to 5:00 p. m.
June 2, Thursday—Instruction begins, 7:30 a. m.
July 4, Monday—Classes suspended.
Aug. 18, Thursday—Commencement, 7:30 p. m.
Aug. 19, Friday—Term ends, 12:00 noon

Fall Quarter, 1932—Twelve Weeks

Sept. 6, Tuesday—Opening of the session.
OFFICERS OF ADMINISTRATION AND INSTRUCTION, 1930-31

Officers of Administration

ORVAL RAY LATHAM, B.A., State University of Iowa, 1911; M.A., 1919; Ph.D., 1928
President, 1928

HOMER H. SEERLEY, B.Ph., State University of Iowa, 1873; M.A., 1876; LL.D., Penn College, 1896; LL.D., State University of Iowa, 1901
President Emeritus, 1886 (1928)

JAMES E. ROBINSON
Superintendent of Buildings and Grounds, 1901

CHARLES S. CORY, B.S., State University of Iowa, 1902
Registrar and Examiner, 1907 (1913)

LESLIE I. REED, B.Ph., State University of Iowa, 1903; M.A., 1906
Dean of Men, 1916 (1921)

BENJAMIN BOARDMAN, B.Ph., State University of Iowa, 1901
Financial Secretary, 1917

ROGER LEAVITT, B.A., Beloit College, 1882; M.A., 1885
Treasurer, 1919

FRANK N. MEAD, M.D., University of Pennsylvania, 1895
Health Director and Professor of Physical Education, 1920 (1926)

MARY E. HAIGHT, Home Economics Diploma, Bradley Polytechnic Institute, 1908
Head of Bartlett Hall, 1923

GEO. A. Bairnson, M.D., University of Illinois, 1919
Assistant Health Director, 1924

MRS. BIRDIE BICKLEY, R.N.
Supervisor of the Hospital and Head Nurse, 1925

SADIE B. CAMPBELL, B.A., Colorado State Teachers College, 1919; M.A., Columbia University, 1925
Dean of Women, 1929

ELDON E. COLE, B.S., Iowa State College, 1921
Architect in charge of Building Construction, 1930

* A single date following title indicates the beginning of service at the Iowa State Teachers College. If two dates are given, the first indicates the beginning of service at the College and the second (in parenthesis) the beginning of service in present rank.
Officers of Instruction

Education

M. J. NELSON, B.A., Luther College, 1916; M.A., University of Wisconsin, 1924; Ph.D., 1928
Professor of Education and Head of the Department, 1924 (1930)

G. W. WALTERS, B.S., Iowa Wesleyan College, 1879; M.S., 1882
Professor of Education, 1895

HUGH S. BUFFUM, B.A., State University of Iowa, 1901; M.A., 1902; Ph.D., 1906
Professor of Education, 1914

JOHN W. CHARLES, B.A., Haverford College, 1904; M.A., 1908; Ph.D., State University of Iowa, 1926
Professor of Education, 1916 (1917)

MAY SMITH, B.A., Coe College, 1905; M.A., Columbia University, 1929
Professor of Education, 1916 (1921)

JOSEPH B. PAUL, B.A., Indiana University, 1911; M.A., University of Wisconsin, 1914
Professor of Education, 1916 (1917)

E. W. GOETCH, B.A., State University of Iowa, 1910; M.A., 1920; Ph.D., 1925
Professor of Education and Director of the Placement Bureau, 1918 (1928)

AMY F. AREY, B.S., Columbia University, 1905; M.A., 1906
Professor of Education, 1919 (1921)

E. O. FINKENBINDER, B.A., University of Illinois, 1910; M.A., Clark University, 1911; Ph.D., 1913
Professor of Education, 1921

J. A. WILEY, B.S., University of Missouri, 1916; M.A., 1917
Professor of Education, 1922 (1923)

CHARLES O. TODD, B.A., Indiana University, 1911; M.A., University of Chicago, 1916
Professor of Education, 1922 (1924)

E. C. DENNY, B.A., Indiana University, 1915; M.A., University of Chicago, 1916
Professor of Education, 1923 (1924)

M. J. WILCOX, B.S., Cornell College, 1914; M.A., State University of Iowa, 1917
Professor of Education, 1923 (1926)

A. E. BROWN, B.S., Baker University, 1909; M.A., Yale University, 1910
Professor of Education, 1924 (1926)

D. P. PHILLIPS, B.A., Upper Iowa University, 1915; M.A., State University of Iowa, 1923
Professor of Education, 1924 (1926)

H. A. RIEBE, B.Ph., University of Wisconsin, 1923; M.Ph., 1923; Ph.D., 1929
Professor of Education, 1925 (1926)

* Names of members of each departmental staff, other than the head, are arranged according to institutional seniority.
† On leave of absence.
Rural Education

HARRY L. EELLS, B.A., Iowa State Teachers College, 1918; M.S., Iowa State College, 1922
Professor of Rural Education and Head of the Department, 1914 (1927)

JOHN R. SLACKS, B.Ph., University of Chicago, 1930; M.A., 1930
Professor of Rural Education, 1948

ALTA L. WILMARTH, B.A., Iowa State Teachers College, 1921; M.A., State University of Iowa, 1926
Professor of Rural Education, 1919 (1929)

MARY ANN SCANLAN, B.A., Iowa State Teachers College, 1929
Instructor in Rural Teaching, 1929

ANNA M. NIELSEN, B.A., Iowa State Teachers College, 1929
Instructor in Rural Teaching, 1930

MARY ANN SCANLAN, B.A., Iowa State Teachers College, 1929
Instructor in Rural Teaching, 1930

ANNA M. NIELSEN, B.A., Iowa State Teachers College, 1929
Instructor in Rural Teaching, 1930

English

SAMUEL A. LYNCH, B.L., University of Missouri, 1892; M.A., University of Chicago, 1900
Professor of English and Head of the Department, 1909

LILLIAN V. LAMBERT, B.Ph., University of Chicago, 1895; M.Ph., 1905
Professor of English, 1907 (1909)

W. B. FAGAN, B.A., Earlham College, 1910; M.A., University of Kansas, 1915
Professor of English, 1915 (1919)

ANNA MARIE SORENSON, B.A., State University of Iowa, 1907; M.A., 1912
Professor of English, 1921 (1923)

HAZEL B. STRAYER, B.A., Iowa State Teachers College, 1914; M.A., Columbia University, 1923
Professor of Oral Interpretation, 1921 (1923)

SELINA M. TERRY, B.Ph., Hamline University, 1903; M.A., 1907
Professor of English, 1922 (1923)

IDA C. ROHLF, B.A., Iowa State Teachers College, 1915; M.A., State University of Iowa, 1923
Assistant Professor of English, 1923 (1925)

KATHERINE BUXBAUM, B.A., State University of Iowa, 1908; M.A., University of Chicago, 1924
Assistant Professor of English, 1924 (1927)

PHILLA SLATTERY, B.Ph., University of Chicago, 1923; M.A., 1924
Instructor in English, 1926

WINIFRED M. TUTTLE, B.A., Iowa State Teachers College, 1923; M.A., University of Chicago, 1928
Assistant Professor of Oral Interpretation, 1927 (1930)

W. A. BRINDLEY, B.A., University of Wisconsin, 1907; M.S., Iowa State College, 1918
Professor of Public Speaking, 1927

NELIUS O. HALVORSON, B.A., Luther College, 1921; M.A., State University of Iowa, 1925; Ph.D., 1928
Professor of English, 1929 (1930)

GEORGE H. HOLMES, B.A., University of Michigan, 1925; M.A., 1926
Professor of Journalism and Director of Publicity Service, 1929
KATHERINE E. BERKSTRESSER, B.A., Iowa State Teachers College, 1919; M.A., University of Wisconsin, 1929
Instructor in Speech, 1929

FLOYD W. LAMBERTSON, B.A., Albion College, 1914; M.A., Northwestern University, 1922; Ph.D., State University of Iowa, 1930
Professor of Public Speaking, 1930

CHARLES F. HOLDEN, B.A., University of Michigan, 1929; M.A., 1930
Instructor in English, 1930

Latin, Greek, and German

FRANK IVAN MERCHANT, B.A., Shurtleff College, 1880; M.A., Ph.D., University of Berlin, 1890
Professor of Latin and Greek and Head of the Department, 1907 (1909)

EDNA O. MILLER, B.A., Iowa State Teachers College, 1918; M.A., Columbia University, 1924
Assistant Professor of Latin, 1924 (1927)

ANNA DOFFING, B.A., Iowa State Teachers College, 1914; M.A., State University of Iowa, 1917
Instructor in German, 1926

JOSEF SCHAUFER, State Examination, University of Freiburg, 1923; Ph.D., 1924
Assistant Professor of German and Latin, 1926 (1929)

Romance Languages

INGEBRIGT LILLEHEI, B.A., University of Minnesota, 1908; M.A., 1909; Ph.D., University of Illinois, 1914
Professor of Romance Languages and Head of the Department, 1918 (1925)

ISABEL THOMES, B.A., University of Kansas, 1912; M.A., University of Michigan, 1924
Professor of Romance Languages, 1918 (1924)

HOMER C. HADDOX, B.A., Ohio State University, 1913; M.A., 1917
Assistant Professor of Romance Languages, 1923

MILDRED DYER, B.A., Drake University, 1908; Diplôme, University of Grenoble, 1922
Assistant Professor of Romance Languages, 1923 (1925)

MARY ADELINE SHORT, B.A., Indiana University, 1922
Instructor in Romance Languages, 1924

Mathematics and Commercial Education

IRA S. CONDIT, B.A., Parsons College, 1886; M.A., 1889
Professor of Mathematics and Head of the Department, 1898 (1909)

HARRY C. CUMMINS, B.Di., Iowa State Teachers College, 1898
Professor of Commercial Education, 1898 (1922)

EMMA F. LAMBERT, B.Ph., State University of Iowa, 1904; M.A., Columbia University, 1930
Professor of Mathematics, 1901 (1915)

CHARLES W. WESTER, B.S., University of California, 1908; M.A., University of Washington, 1911
Professor of Mathematics, 1916 (1918)

E. E. WATSON, B.S., State University of Iowa, 1905; M.S., 1905
Professor of Mathematics, 1920
GEORGE R. MACH, B.S., University of Illinois, 1921; M.S., 1922
Professor of Commercial Education, 1923 (1926)

MYRTLE E. GAFFIN, B.A., Iowa State Teachers College, 1923; M.A., State University of Iowa, 1930
Instructor in Commercial Education, 1923

R. O. SKAR, B.A., St. Olaf College, 1916; M.A., 1919
Professor of Commercial Education, 1924 (1926)

JULIA M. MYERS, B.A., Iowa State Teachers College, 1924
Instructor in Commercial Education, 1924

E. E. FEREBEE, B.S., University of Virginia, 1924; M.S., 1925
Instructor in Commercial Education, 1930

Physics and Chemistry

LOUIS BEGEMAN, B.S., University of Michigan, 1889; M.S., 1897; Ph.D., University of Chicago, 1910
Professor of Physics and Head of the Department, 1899 (1909)

S. FREEMAN HERSEY, B.Ph., Beloit College, 1892
Professor of Physics, 1899 (1904)

ROBERT W. GETCHELL, B.A., Iowa State Teachers College, 1911; M.S., University of Wisconsin, 1914; Ph.D., 1930
Professor of Chemistry, 1909 (1912)

O. B. READ, B.Ph., Hillsdale College, 1902; M.A., University of Wisconsin, 1910
Professor of Chemistry, 1913 (1918)

W. H. KADESCH, B.S., Ohio Wesleyan University, 1906; M.Ph., University of Chicago, 1910; Ph.D., 1915
Professor of Physics, 1921

Natural Science

EMMETT J. CABLE, B.S., Cornell College, 1900; M.S., 1903; Ph.D., State University of Iowa, 1917
Professor of Natural Science and Head of the Department, 1905 (1917)

ALISON E. AITCHISON, B.S., State University of Iowa, 1907; M.S., University of Chicago, 1914
Professor of Natural Science, 1903 (1914)

ROY L. ABBOTT, B.A., Iowa State Teachers College, 1915; M.S., University of Wisconsin, 1917; Ph.D., 1925
Professor of Natural Science, 1916 (1920)

WINFIELD SCOTT, B.S., University of Illinois, 1916; M.S., 1918; Ph.D., Iowa State College, 1926
Professor of Natural Science, 1918 (1919)

H. EARL RATH, B.S., Iowa State College, 1916; M.S., 1923
Professor of Natural Science, 1921 (1923)

MARGUERITE UTTLEY, B.A., Iowa State Teachers College, 1915; M.S., University of Chicago, 1921
Professor of Natural Science, 1921 (1923)

C. W. LANTZ, B.A., University of Illinois, 1913; M.A., 1914; Ph.D., 1925
Professor of Natural Science, 1921

O. R. CLARK, B.A., University of Nebraska, 1916; M.A., 1921
Professor of Natural Science, 1922 (1925)

† On leave of absence.
FACULTY

WINIFRED M. GILBERT, B.S., Iowa State College, 1918; M.S., 1921
Assistant Professor of Natural Science, 1926 (1928)

DOROTHY HAFFA, B.A., Iowa State Teachers College, 1924; M.S., University of Chicago, 1929
Instructor in Natural Science, 1930

Social Science

M. R. THOMPSON, B.A., Western Union College, 1913; M.A., State University of Iowa, 1915; Ph.D., 1917
Professor of Government and Economics and Head of the Department, 1921 (1923)

SARA M. RIGGS, B.L., University of Michigan, 1894
Professor of History, 1887 (1922)

MARY B. HUNTER, B.A., Iowa State Teachers College, 1912; M.A., University of Chicago, 1918
Professor of Government and Economics, 1918 (1921)

WARREN L. WALLACE, B.A., University of Michigan, 1907; M.A., University of Minnesota, 1918
Professor of Government, 1920

GEORGE C. ROBINSON, B.A., University of Wisconsin, 1916; M.A., Harvard University, 1920
Professor of Government, 1922

HARRY J. O'NEILL, B.A., University of Nebraska, 1919; M.A., Columbia University, 1922; Ph.D., University of California, 1927
Professor of Economics, 1925 (1927)

CARL H. ERBE, B.A., Iowa State Teachers College, 1920; M.A., State University of Iowa, 1924; Ph.D., 1925
Professor of Government, 1926 (1926)

FRED W. WELLBORN, B.A., Baker University, 1918; M.A., University of Kansas, 1923; Ph.D., University of Wisconsin, 1926
Professor of History, 1926 (1927)

RALPH R. FAHRNEY, B.A., Mount Morris College, 1919; M.A., University of Chicago, 1922; Ph.D., 1929
Assistant Professor of History, 1929

HAROLD TASCHER, B.A., University of Illinois, 1925; M.A., 1926
Instructor in Government, 1929

MARSHALL R. BEARD, B.A., Marion College, 1925; M.A., University of Wisconsin, 1928; Ph.D., 1930
Instructor in History and Government, 1930

Home Economics

ANNA LEE LEGGETT, B.S., Columbia University, 1910; M.A., 1921
Professor of Home Economics and Head of the Department, 1921

LUELLA OVERN, B.A., State University of Iowa, 1920; M.S., University of Chicago, 1925
Professor of Home Economics, 1925 (1928)

BERNICE ALLEN, B.S., Columbia University, 1926
Professor of Home Economics, 1926 (1928)

LOU R. DILLON, B.S., Central Missouri State Teachers College, 1923; M.A., Columbia University, 1927
Professor of Home Economics, 1927 (1928)

† On leave of absence.
LOUISE A. WHITCHURCH, B.A., University of Illinois, 1921; M.A., Columbia
University, 1930
Instructor in Home Economics, 1930

Physical Education for Men

L. L. MENDENHALL, LL.B., State University of Iowa, 1917.
Professor of Physical Education for Men and Acting Head of the Department,
1921 (1926)

†PAUL F. BENDER, B.A., State University of Iowa, 1918
Assistant Professor of Physical Education for Men, 1921

ARTHUR DICKINSON, B.A., Iowa State Teachers College, 1917
Assistant Professor of Physical Education for Men, 1924

LAWRENCE W. WHITFORD, B.A., Iowa State Teachers College, 1924
Assistant Professor of Physical Education for Men, 1926

DAVID H. McCUSKEY, B.S., Iowa State Teachers College, 1930
Instructor in Physical Education for Men, 1930

MELVIN FRITZEL, B.S., Iowa State Teachers College, 1930
Instructor in Physical Education for Men, 1930

Physical Education for Women

MONICA R. WILD, B.A., Iowa State Teachers College, 1912; M.S., University of
Wisconsin, 1930
Professor of Physical Education for Women and Acting Head of the Depart-
ment, 1913 (1926)

†DORIS E. WHITE, B.A., Simpson College, 1911
Professor of Physical Education for Women, 1915 (1920)

GRACE VAN NESS, B.A., Cornell College, 1911; M.A., Columbia University, 1930
Assistant Professor of Physical Education for Women, 1919 (1921)

DOROTHY HUMISTON, B.A., University of Minnesota, 1920; M.A., Columbia Uni-
versity, 1925
Professor of Physical Education for Women, 1925 (1929)

HARRIETTE EGAN, B.A., Iowa State Teachers College, 1925; M.A., Columbia Uni-
versity, 1930
Instructor in Physical Education for Women, 1925

MRS. L. GENEICE HOFFMAN, B.A., Iowa State Teachers College, 1923
Assistant Professor of Physical Education for Women, 1926

†DOROTHY MICHEL, B.S., University of Minnesota, 1924
Instructor in Physical Education for Women, 1927

†MAUDE E. MOORE, B.A., Iowa State Teachers College, 1927
Instructor in Physical Education for Women, 1927

MRS. JANE PETTIT, B.A., Iowa State Teachers College, 1928
Instructor in Physical Education for Women, 1928

MARJORIE B. ADAMS, B.A., Smith College, 1922; Certificate of Department of
Hygiene and Physical Education, Wellesley College, 1926
Professor of Physical Education for Women, 1929

THELMA SHORT, B.S., Columbia University, 1921; M.A., 1929
Instructor in Physical Education for Women, 1929

DELIA H. KOLLING, B.S., University of Nebraska, 1929
Instructor in Physical Education for Women, 1929

† On leave of absence.


HELEN MARIE MANAHAN, B.S., Ohio State University, 1929; M.S., 1930
Instructor in Physical Education for Women, 1930

Teaching

EVA MAY LUSE, B.A., State University of Iowa, 1906; M.A., 1910; Ph.D., 1925
Professor of Teaching and Head of the Department, 1906 (1919)

E. GRACE RAJT, B.A., Iowa State Teachers College, 1920; M.A., Columbia University, 1927
Professor of Teaching, 1914 (1916)

EULALIE TURNER, B.S., State University of Iowa, 1923; M.A., Columbia University, 1929
Assistant Professor of Teaching, 1915 (1923)

ROSE L. HANSON, B.S., University of Nebraska, 1920
Professor of Teaching, 1920

MARNA PETERSON, B.Ph., University of Chicago, 1913; M.A., Columbia University, 1925
Professor of Teaching, 1920

LOUISE HEARST, B.A., Iowa State Teachers College, 1921; M.S., University of Chicago, 1929
Assistant Professor of Teaching, 1921 (1926)

SELMA SCHUMANN, B.A., Iowa State Teachers College, 1928
Instructor in Teaching, 1922

MARY P. CALDWELL, B.A., Iowa State Teachers College, 1919; M.A., Columbia University, 1926
Professor of Teaching, 1922 (1926)

MINNIE E. STARR, Diploma, Thomas Normal Training School, 1898; B.M., Northwestern University, 1931
Assistant Professor of Teaching, 1922 (1927)

†EDNA MANTOR, B.A., Iowa State Teachers College, 1927
Instructor in Teaching, 1923

MARGUERITE REESE, B.A., Iowa State Teachers College, 1927
Instructor in Teaching, 1924

CYRIL L. JACKSON, B.A., Grinnell College, 1913; M.A., State University of Iowa, 1924
Professor of Teaching and High School Principal, 1924

EDITH L. BARBER, B.S., Columbia University, 1924; M.A., 1929
Professor of Teaching, 1924

ANNABELLE POLLOCK, B.A., Iowa State Teachers College, 1924; M.A., State University of Iowa, 1930
Professor of Teaching, 1924

DORA E. KEARNEY, B.A., University of Minnesota, 1930; M.A., 1924
Professor of Teaching, 1925

MARY LEONA SUTHERLAND, B.A., University of Illinois, 1925; M.A., Columbia University, 1930
Assistant Professor of Teaching, 1925

DOROTHY MAE WHEELER, B.S., University of Kansas, 1921; M.A., Columbia University, 1925
Professor of Teaching, 1925

MARIE HJELLE, B.A., Iowa State Teachers College, 1925
Instructor in Teaching, 1925

† On leave of absence.
MARY C. ANDERSON, B.A., Iowa State Teachers College, 1914; M.A., State University of Iowa, 1926
Assistant Professor of Teaching, 1926

ZELWYN GRAHAM, B.A., Iowa State Teachers College, 1927
Instructor in Teaching, 1926

GLADYS I. EVANS, B.A., Grinnell College, 1921; M.A., State University of Iowa, 1926
Assistant Professor of Teaching, 1926

JOANNA KYLE, B.A., State University of Iowa, 1915; M.A., 1916
Assistant Professor of Teaching, 1926

NATHANIEL O. SCHNEIDER, B.S., University of Minnesota, 1921
Assistant Professor of Teaching, 1926

HELEN M. WATERS, B.A., University of Nebraska, 1921; M.A., Columbia University, 1926
Professor of Teaching, 1926

AGNES GULLICKSON, B.A., Iowa State Teachers College, 1926
Instructor in Teaching, 1926

VERNA J. ADNEY, B.A., Iowa State Teachers College, 1927; M.A., Columbia University, 1930
Instructor in Teaching, 1927

ALICE BAKKEN, B.A., Iowa State Teachers College, 1927
Instructor in Teaching, 1927

MARGARET DIVELBESS, B.A., Grinnell College, 1923; M.A., Columbia University, 1927
Assistant Professor of Teaching, 1927

MABELLE M. GROSS, B.A., Des Moines University, 1918; M.A., State University of Iowa, 1926
Assistant Professor of Teaching, 1927

RUTH J. MICHAELSON, B.A., Iowa State Teachers College, 1927
Instructor in Teaching, 1927

OLGA J. JOHNSON, B.Ph., University of Chicago, 1928
Instructor in Teaching, 1928

MYRTLE M. STONE, B.A., Washington State College, 1923; M.B.A., University of Washington, 1927
Assistant Professor of Teaching, 1928

LOUISE CRAFTON, B.A., Oberlin College, 1927; M.A., University of Illinois, 1929
Instructor in Teaching, 1929

LUCILE E. ANDERSON, B.A., Iowa State Teachers College, 1924; M.A., University of Chicago, 1927
Instructor in Teaching, 1930

MARY FRANCES CROMWELL, B.S., Columbia University, 1928; M.A., 1930
Director of the Nursery School, 1930

ETHEL M. FITZSIMONS, B.A., Hastings College, 1922; M.A., University of Nebraska, 1930
Instructor in Teaching, 1930

MARGUERITE R. HYDE, B.Ed., University of Washington, 1921; M.A., Columbia University, 1929
Instructor in Teaching, 1930

EMMA OPFER, B.Ph., University of Chicago, 1921; M.A., Columbia University, 1929
Instructor in Teaching, 1930
BERTHA CRANE STILES, B.S., Columbia University, 1909; M.A., 1929
Instructor in Teaching, 1930

IVERNIA TYSON, B.A., Colorado State Teachers College, 1927; M.A., State University of Iowa, 1930
Instructor in Teaching, 1930

RUTH B. BODENHAM, B.A., Iowa State Teachers College, 1930
Instructor in Teaching, 1930

FLORENCE E. BROWN, B.A., Iowa State Teachers College, 1930
Instructor in Teaching, 1930

MRS. MABEL BARRON GRUPP, B.A., Iowa State Teachers College, 1924
Instructor in Teaching, 1930

MINNA M. HANSEN, B.A., Iowa State Teachers College, 1928
Instructor in Teaching, 1930

MRS. GLADYS HORNBAKER, B.A., Iowa State Teachers College, 1928
Instructor in Teaching, 1930

FLORENCE E. REID, B.A., Iowa State Teachers College, 1930
Instructor in Teaching, 1930

BERTHA ROBINSON, B.A., Iowa State Teachers College, 1929
Instructor in Teaching, 1930

Art and Manual Arts

CHARLES H. BAILEY, B.S. in C.E., State University of Iowa, 1895; B.S. and Manual Training Diploma, Columbia University, 1903
Professor of Manual Arts and Head of the Department, 1905 (1909)

BERTHA L. PATT, Des Moines Academy of Art, 1893-94; New York Art Students' League, 1894-95 and 1898-99
Professor of Art, 1895 (1904)

HENRIETTA THORNTON, Granville Female College, 1879-80; Northwestern University, 1880-82; Chicago Art Institute, 1882-84; Cincinnati Academy of Fine Arts, 1884-85; Pratt Institute, 1891-92
Professor of Art, 1895 (1922)

EFFIE SCHUNEMAN, Normal Art Diploma, Pratt Institute, 1914
Professor of Art, 1911 (1921)

AGNES B. COLE, B.Ph., University of Chicago, 1928
Professor of Art, 1921 (1929)

CORLEY AGNES CONLON, Art Diploma, Iowa State Teachers College, 1919; Diploma of Fine Arts, Pratt Institute, 1922
Professor of Art, 1923 (1927)

HAROLD G. PALMER, B.A., Iowa State Teachers College, 1924
Instructor in Manual Arts, 1924

MRS. IRIS BRANAGAN, B.A., Miami University, 1914; M.A., University of Chicago and Chicago Art Institute, 1927
Assistant Professor of Art, 1928

Public School Music

C. A. FULLERTON, B.Di., Iowa State Teachers College, 1889; B.S., 1890; University of Chicago, 1896-97
Professor of Public School Music and Head of the Department, 1897 (1909)

GEORGE W. SAMSON, JR., Iowa State Teachers College, 1900-04; Pupil of Harrison M. Wild
Professor of Organ, 1916 (1923)
MRS. ELIZABETH BURNEY SCHMIDT, Public School Music Diploma, Iowa State Teachers College, 1909; Voice Diploma, 1911; Pupil of Vincenzo Vannini, Isaac Van Grove, and Richard Hageman
Professor of Voice and Public School Music, 1917

WILLIAM E. HAYS, B.Di., Public School Music Diploma, and Voice Diploma, Iowa State Teachers College, 1912; Pupil of L. A. Torrens, Herbert Witherspoon, and Sándor Radonavits
Professor of Voice and Public School Music, 1921 (1925)

ROSE LENA RUEGNITZ, B.M., Northwestern University, 1920; Pupil of Victor Heinze and Ottakar Malek
Professor of Piano, 1923 (1925)

ALTA FREEMAN, Graduate of Piano Soloists and Teachers Course, New England Conservatory of Music, 1912; Pupil of Carlo Bounamici, Rudolph Ganz, Josef Lhevinne, and Alfred Cortot
Professor of Piano, 1923 (1925)

ALPHA CORINNE MAYFIELD, Music Supervisor's Diploma, Columbia University, 1924; B.S., Northeast Missouri State Teachers College, 1927; Pupil of Phradie Wells and Norman Jolliffe
Instructor in Public School Music, 1924

LUTHER A. RICHMAN, B.S., Northwest Missouri State Teachers College, 1926; M.M., Cincinnati Conservatory of Music, 1931; M.A., University of Cincinnati, 1931; Pupil of Walter Allen Stults, Dan Beddoe, and M. Buchert
Professor of Voice, 1925

OLIVE L. BARKER, Public School Music Diploma, Iowa State Teachers College, 1920; Pupil of L. A. Torrens and Thomas MacBurney
Instructor in Voice and Public School Music, 1926

NAOMI EVANS, Music Graduate Degree, Northwestern University, 1923; Pupil of Victor Heinze and Rudolph Ganz
Instructor in Piano, 1926

IRVING WOLFE, B.A., Iowa State Teachers College, 1925
Instructor in Public School Music, 1926

Orchestral Music

EDWARD KURTZ, B.M., Detroit Conservatory, 1926; M.M., Cincinnati Conservatory of Music, 1927. Studied Violin with Luigi von Kunitz, E. Normanton Bilbie, and Eugene Ysaye. Member, Pittsburgh Orchestra, 1907-08. Guest Conductor, Cincinnati Orchestra, 1920, and Cleveland Orchestra, 1921
Professor of Violin and Ensemble and Head of the Department, 1924

Assistant Professor of Violoncello and Orchestral Conducting, 1927

MYRON RUSSELL, B.M., Kansas State Agricultural College, 1927. Studied Oboe and English Horn with Alfred Barthel. Member, Bachman's Million Dollar Band, 1926-27, and St. Louis Symphony Orchestra, 1927-28
Assistant Professor of Woodwind Instruments and Director of the College Band, 1929

CHARLES BALL, Graduate Innes Band School, 1926. Studied Trumpet with Bohumir Kryl and Frederick Niel Innes. Member, Kryl's Band, 1919-25, and New York Opera Orchestra, 1925-26
Instructor in Brass Instruments, 1929

FRANK W. HILL, B.M., Eastman School of Music, University of Rochester, 1930. Studied Violin and Viola with Samuel Belov. Member, Rochester Philharmonic Orchestra, 1923-28
Assistant Professor of Violin, Viola, and Ensemble, 1929

† On leave of absence.
HARVEY R. WAUGH, B.A., Grinnell College, 1924; M.A., State University of Iowa, 1930
Assistant Professor of Violin and Ensemble, 1930

Religious Education

HOWLAND HANSON, B.A., Princeton University, 1892; D.D., Des Moines University, 1927
Supervisor of Religious Education, 1928

Extension Division

IRVING H. HART, B.A., Grinnell College, 1898
Director of the Extension Division, 1914 (1916)

ALBERT C. FULLER, B.A., State University of Iowa, 1911
Associate Director of the Extension Division, 1917 (1918)

F. E. FULLER, B.A., Albion College, 1902
Extension Professor of Natural Science, 1917 (1922)

IDA HUGLIN, B.Ph., University of Chicago, 1912; M.A., 1924
Extension Professor of English, 1918 (1923)

FRED D. CRAM, B.A., Iowa State Teachers College, 1909; M.A., State University of Iowa, 1920
Extension Professor of Education, 1920

ELMER L. RITTER, B.A., Indiana University, 1914; M.A., State University of Iowa, 1917; Ph.D., 1920
Extension Professor of Education, 1921

LOU A. SHEPHERD, B.A., Iowa State Teachers College, 1919; M.A., Columbia University, 1924
Extension Professor of Primary Education, 1924

H. C. MOELLER, B.A., Iowa State Teachers College, 1924
Extension Professor of Rural Education, 1925

HARRY M. KAUFFMAN, B.A., Iowa State Teachers College, 1927
Extension Instructor of Public School Music Education, 1929 (1930)

Library Staff

ANNE STUART DUNCAN, B.L., University of Michigan, 1897; Library Certificate, University of Chicago, 1903
Head Librarian, 1913

ROWENA A. EDWARDS, Iowa State College, 1894-96; Simmons College Library School, 1914-15
Head Cataloguer, 1916

JESSIE L. FERGUSON, B.A., James Millikin University, 1907
Reference Librarian, 1923 (1930)

RUTH VAN TUYL, B.A., Mt. Holyoke College, 1916; M.A., University of Minnesota, 1919
Assistant Cataloguer, 1925

IRENE A. EHRESMAN, B.A., Carleton College, 1909; Library Diploma, University of Wisconsin, 1925
Extension and Periodical Librarian, 1926

MARYBELLE McCLELLAND, B.A., Pomona College, 1925; B.S., Columbia University, 1929
Circulation Librarian, 1929 (1930)

† On leave of absence.
MARY DIETERICH, B.A., Grinnell College, 1925; B.S., Columbia University, 1929
Assistant Cataloguer, 1930

EVELYN J. MULLINS, B.A., Grinnell College, 1926; B.S., Columbia University, 1928
Assistant Circulation Librarian, 1930

ELSIE JEANNETTE DUNCAN, B.A., University of Pittsburgh, 1921; Library Certificate, Carnegie Library School, 1924
Juvenile Librarian, 1930

Part-time Service

DAVID SANDS WRIGHT, B.A., National Normal University, 1871; M.A., Penn College, 1887
Professor Emeritus, 1876 (1928)

ANNA E. McGOVERN, B.S., Iowa State Teachers College, 1890
Professor Emeritus, 1880 (1919)

MELVIN F. AREY, B.A., Bowdoin College, 1867; M.A., 1870
Professor Emeritus, 1890 (1928)

EVA L. GREGG, B.A., Iowa State Teachers College, 1910
Professor Emeritus, 1895 (1929)

LAURA E. FALKLER, Chicago Woman's Medical College, 1881-82; Dillenbeck's School of Oratory, 1894-95
Professor Emeritus, 1896 (1929)

JENNETTE CARPENTER, B.A., Cornell College, 1885; M.A., 1888
Professor Emeritus, 1899 (1929)

MARION McFARLAND WALKER, B.L., Ferry Hall, 1880; B.A., Iowa State Teachers College, 1912
Professor Emeritus, 1890 (1929)

Clerical Division

ANNA R. WILD
Executive Secretary, 1886

MRS. H. G. SIMONSEN
Record Clerk, Office of the Registrar, 1916

BESS E. CARRINGTON, B.A., Iowa State Teachers College, 1916
Chief Record Clerk, Office of the Registrar, 1920

MRS. LOUISE McKITRICK
Secretary, Extension Division, 1921

MRS. MARGARET H. HESS
Stenographer, General College Office, 1922

MRS. ANNA HOLMAN, Rural School Diploma, Iowa State Teachers College, 1916
Stenographer, Extension Division, 1922

CARRIE A. WATSON, B.A., Iowa State Teachers College, 1922
Secretary to the Registrar, 1923

RUTH H. DUNLOP, Upper Grade Teacher's Diploma, Minnesota State Teachers College, 1919
Assistant to the Executive Secretary, 1923

MRS. MARIE HARPER
Stenographer, Extension Division, 1923

MRS. MABEL VOGT, Primary Education Diploma, Iowa State Teachers College, 1922
In charge of Multigraph Department, 1923
FACULTY

JESSIE JUHL
Secretary to the President, 1923

VELDA B. BENTLEY
Clerk, Office of the Registrar, 1924

MRS. GLADYS Y. AMICK
Record Clerk, Office of the Registrar, 1925

IDA CHRISTENSEN
Cashier, Office of the Financial Secretary, 1926

ROSAMOND M. TOLL
Stenographer, Placement Bureau, 1926

REGINA C. MYERS, Junior College Diploma, Iowa State Teachers College, 1926
Examiner of High School Records, Office of the Registrar, 1926

MRS. MAUDE MADSEN
Mailing Clerk, General College Office, 1926.

MRS. GLADYS BAUGHMAN, Junior College Diploma, Iowa State Teachers College, 1918; Commercial Diploma, 1919
Bookkeeper, Office of the Financial Secretary, 1927

ALLEYNE FOSTER
Information Clerk, General College Office, 1927

MRS. VIE U. CROUTER, B.A., Iowa State Teachers College, 1913; M.D., 1914
Secretary to the Dean of Men, 1928

DOROTHY M. FECHT
Stenographer, Office of the President, 1928

LOTTIE L. HAYES
Stenographer, General College Office, 1928

ALDENE E. RAINBOW, Commercial Diploma, Iowa State Teachers College, 1927
Clerk, General College Office, 1928

MRS. AILEEN HALE
Operator, Multigraph Department, 1928

MRS. RAY A. ELLIS
Bookkeeper, Office of the Financial Secretary, 1928

GLADYCE GOODER
Stenographer, General College Office, 1928

GRACE DERSCHEID
Stenographer, Placement Bureau, 1929

WANDA HARKNESS
Telephone Operator, General College Office, 1929

MARGUARITE CRAWFORD
Stenographer, Extension Division, 1929

RUTH JOHNS, B.A., Iowa State Teachers College, 1927
Secretary to the Dean of Women, 1929

MRS. JEAN R. MATHES
Bookkeeper, Office of the Financial Secretary, 1929

HELEN L. MEYER
Operator, Multigraph Department, 1929

HELEN L. FLETCHER
Stenographer, General College Office, 1929
MRS. MILDRED L. KOHL
Stenographer, General College Office, 1929

LOIS DALTON
Stenographer, Publicity Office, 1929

MRS. W. C. SLOAN
Record Clerk, Office of the Registrar, 1929

MERLE M. SLITER, B.A., Iowa State Teachers College, 1926
Secretary, Department of Physical Education for Women, 1929

MARY D. ANDERSON
Secretary, Department of Public School Music, 1930

ELIZABETH W. DAVIS
Stenographer, Multigraph Department, 1930

MRS. BERNICE DEBOWER
Secretary to the Head of the Department of Teaching, 1930

MRS. LORETTA BREWER
Stenographer, Office of the Dean of Women 1930

Additional Officers of Instruction for the 1930 Summer Session

EDITH L. BARBER, M.A.
Education

LOUISE VAN DYKE, M.A.
Mathematics

EMMA OPPER, M.A.
Rural Education

FRANCES BOTSFORD, M.A.
Commercial Education

KATHRYN ROBB, M.A.
Rural Education

ELIZABETH HARNACK, B.A.
Commercial Education

J. R. McANELLY, M.A.
Rural Education

H. M. KERR, M.S.
Natural Science

IDA HUGLIN, M.A.
English

FRED J. SCHMIDT, M.A.
Manual Arts Education

GRACE HUNTER, M.A.
English

EDNA GREEN, B.S.
Art Education

JUNE JACK, Ph.D.
English

VIVIAN JOHNSON, M.A.
Home Economics

JOHN PARTINGTON, Ph.D.
Social Science

CORA EBERT, M.A.
Teaching

Branch Summer Schools

1930

CENTERVILLE

H. C. MOELLER, B.A., Director
Education

N. H. RINGSTROM, B.A.
Social Science

R. H. BARNES, M.A.
Education

MILICENT RITTER, B.A.
Music

EVA BURNET, B.A.
English

LOU A. SHEPHERD, M.A.
Education

Natural Science

Industrial Arts

SUE DODD, M.A.
English

M. B. STREET, M.A.
Social Science

E. W. FANNON, B.A.
Education

T. J. TORMEY, B.A.
Education

Typewriting

Mathematics
FACULTY

SHENANDOAH

E. L. RITTER, Ph.D., Director
Mathematics
R. H. BRACEWELL, M.A.
Education
W. A. CRESAP, M.A.
Education
MYRTA E. HARLOW, M.A.
English
F. W. JONES, B.S.
Natural Science
HAZEL M. LIVINGSTON
Typewriting
H. OSTERGAARD, M.A.
Social Science

F. E. FULLER, B.A., Director
Education
VILDA BARKER, M.A.
Education
FORREST H. CHANDLER, M.A.
Education
JEAN GLEAVES, B.A.
Industrial Arts
BURTON R. JONES, M.A.
Mathematics
Social Science

SELMA SCHUMANN, B.A.
Industrial Arts
PAULINE SCHWARTZ, M.A.
Education
GLADYS SILSBY, B.M.E.
Music
H. M. TAYLOR, M.A.
Education
J. H. TREFZ, M.A.
Social Science
EULALIE TURNER, M.A.
Education
Industrial Arts
Penmanship

SPENCER

MARGUERITE LOGAN, M.A.
Education
Natural Science
GENEVIEVE STAUDT, M.A.
English
H. D. TAYLOR, B.A., LL.B.
Social Science
Natural Science
F. A. WELCH, M.A.
Social Science
Education
MAUDE WENCK, B.M.E.
Music
Penmanship
FACULTY COMMITTEES, 1930-31

I. Rotating Committees
   (Chairman's name first)

1. Registration
   1. Carl H. Erbe
   2. E. W. Goetch
   3. I. S. Condit
   4. I. L. Lillehei
   5. R. W. Getchell
   6. C. S. Cory, Secretary

2. Curriculums
   1. E. J. Cable
   2. F. I. Merchant
   3. Eva May Luse
   4. M. J. Nelson
   5. M. R. Thompson
   6. C. S. Cory, Secretary

3. Program of Recitations
   1. I. L. Lillehei
   2. M. R. Thompson
   3. M. J. Nelson
   4. C. S. Cory, Secretary

4. Receiving
   1. S. F. Hersey
   2. E. E. Watson
   3. F. W. Lambertson

5. Student Loan Fund
   1. A. E. Brown
   2. Mary B. Hunter
   3. O. B. Read
   4. Dean of Women, ex officio
   5. Dean of Men, ex officio
   6. Financial Secretary, ex officio

6. Acceptance of Credits from Other Institutions
   1. F. W. Wellborn
   2. N. O. Halvorson
   3. W. H. Kadesch
   4. F. I. Merchant, ex officio
   5. C. S. Cory, Secretary

7. Student Welfare Committee
   1. C. O. Todd
   2. Selina M. Terry
   3. Luther A. Richman
   4. Dean of Women, ex officio
   5. Dean of Men, Secretary, ex officio

8. Extension Council
   1. Director of the Extension Division, ex officio
   2. Alison E. Aitchison
   3. F. I. Merchant
   4. I. S. Condit
   5. C. H. Bailey
   6. W. L. Wallace
   7. C. S. Cory, Secretary, ex officio

9. Interpretation of Faculty Rules and Regulations
   1. I. S. Condit
   2. S. A. Lynch
   3. M. R. Thompson
   4. C. S. Cory, Secretary, ex officio

10. Tests in College Subjects
    1. F. W. Wellborn
    2. N. O. Halvorson
    3. W. H. Kadesch
II. Standing Committees

(Chairman’s name first)

1. Athletic Board
   1. H. Earl Rath
   2. S. A. Lynch
   3. E. C. Denny
   4. H. C. Haddox
   5. W. H. Kadesch
   6. Financial Secretary, ex officio
   7. Director of Athletics, Secretary, ex officio

2. Lectures and Entertainments
   1. H. C. Cummins
   2. H. A. Riebe
   3. W. L. Wallace

3. Elementary Education Conference
   1. M. J. Nelson
   2. I. H. Hart
   3. Eva May Luse
   4. H. L. Eells
   5. E. C. Denny
   6. Carl H. Erbe
   7. Alison E. Aitchison
   8. C. W. Wester
   9. L. A. Richman

4. Recreation Park
   1. C. S. Cory
   2. C. H. Bailey
   3. J. W. Charles
   4. Monica R. Wild
   5. Harriette Egan

5. Hospital
   1. The Health Director
   2. Head Nurse
   3. Dean of Women
   4. Dean of Men
   5. Financial Secretary

6. Museum
   1. E. J. Cable
   2. Alison E. Aitchison
   3. Winfield Scott
   4. R. L. Abbott
   5. C. W. Lantz

7. Transportation
   1. I. S. Condit
   2. I. H. Hart
   3. Benjamin Boardman

8. Commencements
   1. C. W. Lantz
   2. H. J. O’Neill
   3. H. A. Riebe
   4. Bertha L. Patt
   5. Olive Barker
   6. Hazel Strayer
   7. Leslie I. Reed
   8. Sadie B. Campbell
   9. Benjamin Boardman

9. Student Efficiency
   1. Dean of Men, ex officio
   2. Dean of Women, ex officio
   3. M. J. Nelson
   4. Eva May Luse
   5. Alison E. Aitchison
   6. W. H. Kadesch
   7. Ralph R. Fahrney

10. Special Days
    1. H. L. Eells
    2. I. H. Hart
    3. W. L. Wallace

11. Publicity
    1. Geo. H. Holmes
    2. A. C. Fuller
    3. L. L. Mendenhall
    4. R. W. Getchell
    5. Benjamin Boardman

12. Board in Control of Student Publications
    1. Geo. H. Holmes
    2. Selina M. Terry
    3. H. Earl Rath
    4. Benjamin Boardman

13. Editing of Faculty Rules and Regulations
    1. F. I. Merchant
    2. I. H. Hart
    3. C. S. Cory

14. Speech Clinic Advisory Board
    1. Katherine Berkstresser
    2. M. J. Nelson
    3. C. W. Lantz
    4. May Smith
    5. Monica Wild
    6. Harold Tascher
III. Student Advisory Committees

(Chairman's name first)

1. Freshmen who have not chosen a major
   1. E. O. Finkenbinder
   2. H. S. Buffum
   3. A. E. Brown

2. Elementary Education
   1. E. C. Denny
   2. J. W. Charles
   3. M. J. Wilcox
   4. H. A. Riebe
   5. J. A. Wiley

3. Primary Education
   1. Alison E. Aitchison
   2. E. Grace Rait
   3. Amy F. Arey
   4. May Smith
   5. Leona Sutherland

4. Normal Training and Special Students
   1. W. L. Wallace
   2. Ida C. Rohlf
   3. Julia Myers
   4. The Registrar

5. Kindergarten and Nursery School Education—Helen Waters


7. Commercial Education—I. S. Condit

8. Home Economics—Anna L. Leggett

9. Voice, Piano, and Organ—C. A. Fullerton

10. Violin and Orchestra—Edward F. Kurtz

11. Rural Education—H. L. Eells

12. Major Studies
   (2) Consolidated School Education and Normal Training High School Critic Work—H. L. Eells
   (3) Teaching and Critic Training—Eva May Luse
   (4) English and Public Speaking—S. A. Lynch
   (5) Mathematics and Commercial Education—I. S. Condit
   (6) Latin and German—F. I. Merchant
   (7) French and Spanish—I. L. Lillehei
   (8) Social Science—History, Government, and Economics—M. R. Thompson
   (9) Home Economics—Anna L. Leggett
   (10) Natural Science—Agriculture, Biological Science, and Earth Science—E. J. Cable
   (11) Physical Science, Physics, and Chemistry—Louis Begeman
   (13) Physical Education for Men—Coaching and Athletics—L. L. Mendenhall
   (14) Physical Education for Women—Monica R. Wild
   (15) Public School Music—C. A. Fullerton
   (16) Orchestral and Band Music—Edward F. Kurtz

13. Graduates of Standard Colleges
   (1) Critic Training—Eva May Luse
   (2) Other Special Work—M. J. Nelson

14. Branch Summer Schools—The directors in charge

IV. Excusing Officers

1. For men students—Dean of Men, Leslie I. Reed

2. For women students—Dean of Women, Sadie B. Campbell
I. HISTORICAL SKETCH

The Iowa State Normal School was established in 1876 by act of the General Assembly. Its location at Cedar Falls was due in large measure to the availability of a three-story brick building and forty acres of land originally used for a soldiers' orphans' home. Here on September 6, 1876, the normal school was formally opened with an enrollment of twenty-seven students. In the first fifty-two years of its existence the institution had but two executives: J. C. Gilchrist, Principal, 1876 to 1886; and H. H. Seerley, Principal, 1886 to 1889, and President, 1889 to 1928. In 1909 the name of the institution was changed to the Iowa State Teachers College, and the former institutional Board of Trustees was replaced by the State Board of Education. This governing body of nine members appointed by the Governor exercises control over the State University of Iowa, and State College of Agriculture and Mechanic Arts, and the Iowa State Teachers College.

II. BUILDINGS AND GROUNDS

The campus of the Iowa State Teachers College contains 127 acres of elevated land near the southern limits of the city of Cedar Falls. The principal buildings used for administrative, instructional, and other purposes are of brick with trimmings of Bedford stone. They are surrounded by lawns and by ornamental trees of many varieties and are arranged in the form of an inner and an outer quadrangle.

The Administration Building, situated on the east side of the inner quadrangle, was erected in 1895. Its dimensions are 75 feet by 105 feet. On the first floor are the offices of the president, the financial secretary, the registrar, and the executive secretary, and on the second floor the offices of the placement bureau. On the second and third floors are also the offices and recitation rooms of the department of Mathematics and Commercial Education.

Gilchrist Hall, situated in the inner quadrangle southwest of the Administration Building, was erected in 1882. Its dimensions are 78 feet by 114 feet. On the first floor are the offices of the dean of men and the dean of women, the publicity office, and the offices of the extension division. On the second and third floors are the faculty room, the rooms of the College Club, the offices of the College Eye and of the Old Gold, Gilchrist Chapel, and instruction rooms of the department of Music.

The Auditorium Building, situated north of the Administration Building, was erected in 1900. Its dimensions are 71 feet by 230 feet with a rear extension of 70 feet by 90 feet. In the center is the college auditorium with a large pipe organ and with a seating capacity of 1,500. In the basement and the three stories of this building are also located the rooms of the Y. W. C. A. and of the Catholic Students' Association, the halls of the literary societies, and the recitation rooms and the offices of the departments of English, of Romance Languages, of Latin,
Greek, and German, of Education, of Religious Education, and of Social Science.

Central Hall, adjacent to the Administration Building and to the Auditorium Building, was erected in 1868. Its dimensions are 40 feet by 85 feet with extension of 34 feet by 40 feet. It contains the quarters of the Y. M. C. A., the college book store, instruction rooms for vocal and instrumental music, and a specially equipped practice room for band and orchestra.

For convenience of intercommunication the Administration Building, Gilchrist Hall, the Auditorium Building, and Central Hall are connected by means of corridors.

The Science Building is on the north side of the inner quadrangle and was erected in 1906. Its dimensions are 65 feet by 113 feet. It houses the offices, recitation rooms, laboratories, and libraries of the department of Physics and Chemistry, and recitation rooms and laboratories for work in animal biology, physiology, and hygiene and sanitation.

The Vocational Building is at the south-west corner of the inner quadrangle and was erected in 1915. Its dimensions are 62 feet by 144 feet. On the ground floor are recitation rooms and laboratories for work in botany, bacteriology, and agriculture; on the first floor, shops, drafting rooms, and recitation rooms for work in manual arts; on the second floor, laboratories and recitation rooms of the department of Home Economics; and on the third floor, laboratories and an exhibition room for work in art.

The Training School Building is on the south side of the inner quadrangle and was erected in 1912. Its dimensions are 115 feet by 137 feet. It contains the office of the director, an auditorium, a gymnasium, recitation rooms and laboratories for home economics and manual training, a room for illustrative teaching, and rooms for the kindergarten, the primary school, the grammar grades, and the high school.

The Library, situated at the south-east corner of the inner quadrangle, was erected in 1907. It is connected with the Administration Building by a subway, which is opened for use during inclement weather. The dimensions are 100 feet by 103 feet. The general reading room is decorated with mural paintings by William De Leftwich Dodge and has seats for 300 readers.

The library contains 100,000 volumes, 400 current periodicals, 8,000 pamphlets, 5,000 small prints for general circulation, and 450 large wall pictures. Supplementing the general library there are special libraries devoted to art, music, fiction, education, chemistry, physics, juvenile literature, and state and federal documents.

The library force consists of nine staff members and forty student assistants. The library is open on weekdays except Saturday from 7:30 a. m. to 9:00 p. m., on Saturday from 7:30 a. m. to 5:00 p. m., and on Sunday from 2:00 to 5:00 p. m.

On the third floor of the Library is the museum. Included in its varied material are collections of special value for the study of natural science in different fields. This building also contains laboratories and recitation rooms for work in geography, geology, mineralogy, and astronomy.

The Women's Gymnasium, situated at the north-west corner of the inner quadrangle, was erected in 1903. Its dimensions are 68 feet by 230 feet. It has a basement and three stories containing offices and recitation rooms, an examining room and a dark room, four fully equipped exercise rooms, three basketball courts, a baseball diamond, a running
track, a dancing studio, and a swimming pool, lockers, dressing rooms, and store rooms. Connected with the Women's Gymnasium are athletic fields for hockey, soccer, baseball, volleyball, and other field sports, a straightaway, an archery range, a putting green, and tennis courts.

The Men's Gymnasium, situated on the west side of the outer quadrangle, was erected in 1925. Its dimensions are 170 feet by 202 feet. It is a two-story building containing a main gymnasium (90 feet by 124 feet) and a smaller gymnasium (40 feet by 88 feet), offices and recitation rooms, basketball courts and handball courts, a wrestling room, a first aid room, a team room, and a club room, a swimming pool, showers, dressing rooms, and storage rooms. The main gymnasium when converted into an auditorium has a seating capacity of 3,000. Connected with the Men's Gymnasium is an athletic field containing four football fields, four baseball fields, eleven tennis courts, and a quarter-mile track.

The President's Home, situated in the outer quadrangle east of the Administration Building, was erected in 1908.

The Home of the President Emeritus, situated in the outer quadrangle north of the President's Home, was erected in 1890.

The Home of the Superintendent of Buildings and Grounds, situated in the outer quadrangle north of the Auditorium Building, was erected in 1906.

Bartlett Hall is in the outer quadrangle north of the Women's Gymnasium. The first unit was erected in 1914, the last unit in 1924. Its dimensions are 41 feet by 525 feet with four wings, each 41 feet wide and 125 feet long. It is a fireproof building equipped with modern conveniences. In its single and double rooms it accommodates more than 500 students. It has three large parlors, a large reception room, a dining room, and a cafeteria.

The General Hospital, the Nurses' Home with office of the health director, and the Isolation Hospital are located on the south side of the campus west of the Vocational Building. The General Hospital was erected in 1912 and enlarged in 1925. Its dimensions are 33 feet by 60 feet. It has an operating room, an X-ray room, and beds for twelve patients.

Inside the inner quadrangle are the offices of the superintendent of buildings and grounds and of the electrician, the electric light and power plant, the steam heating plant, the greenhouse, and the shops needed for the maintenance of the physical plant of the institution.

The Campanile stands near the center of the campus. It was erected in 1926. The main tower is 20 feet square and 100 feet high. It is built of rug faced brick with trimmings of Bedford stone and rests on a granite foundation. The fifteen bells of the Campanile chimes range in weight from 225 pounds to 5,000 pounds. The chimes are played at stated times throughout the day by the chime master and his assistants. The Fasoldt clock, presented to the institution in 1925, sounds the Westminster chimes at the quarters of the hour. The Campanile was donated to the institution by the alumni, faculty, students, and other friends of the institution as a memorial of the founders and builders of the Iowa State Teachers College.

Separate from the campus on the east the institution has a tract of seven acres in which it is developing a Horticultural Garden and a Botanical Garden. These gardens already contain a large collection of Iowa trees, shrubs, and herbaceous plants.

The Teachers College Golf Course and the college picnic grounds are located half a mile east of the campus just outside the southern limits.
of the city in Rownd's Field, a tract of 40 acres donated to the institution in 1925 by Charles A. Rownd. The golf course is a well-kept nine-hole course of standard length with natural and artificial hazards.

III. ENROLLMENT

Organization by Terms—The calendar year is divided into four terms of twelve weeks each. Any three of these terms constitute an academic year.

Enrollment Days—The dates of enrollment are given on page 5. Recitations begin on the day following enrollment. A fee of $2 is charged for late enrollment. The opening day of the fall term is designated as Freshman Day. On this day all freshmen enroll and register. A part of the day is devoted to activities designed to acquaint new students with the institution. On the second day of the fall term the upper classmen enroll and register. On the first day of the winter, spring, and summer terms all students enroll and register.

Freshman Tests—On the second day of the fall term all first year students are required to take the freshman tests, if they have not previously taken these tests. During the winter, spring, and summer terms the freshman tests are given on the first Saturday of the term. Freshmen who are enrolled but are not present for the freshman tests are required to take the tests later after payment of a fee of $2.

IV. EXPENSES

1. Fees

All fees are paid at the office of the financial secretary. A ten cent exchange fee is charged on checks on banks outside Black Hawk County except banks in Denver, Janesville, Dike, and New Hartford.

a. Enrollment and Tuition Fees

Freshmen and sophomores ........................................... $20 a term
Juniors, seniors, and college graduates .......................... $30 a term
Persons enrolled as visitors ....................................... $2 a week

The tuition fee of a student who has earned 88 or more term hours is $30 a term.

Refunds. Students who withdraw during the first half of any term are entitled to refunds of the tuition fee on the following basis:

<table>
<thead>
<tr>
<th>Percentage of After Quarter Opens</th>
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<tbody>
<tr>
<td>Refunds</td>
</tr>
<tr>
<td>No attendance</td>
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<tr>
<td>Two days to one week</td>
</tr>
<tr>
<td>One week to two weeks</td>
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<td>Two weeks to three weeks</td>
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<td>Three weeks to four weeks</td>
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<tr>
<td>Four weeks to five weeks</td>
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<tr>
<td>Five weeks to six weeks</td>
</tr>
<tr>
<td>No student who has been in attendance six weeks or more shall receive any refund of tuition.</td>
</tr>
</tbody>
</table>

b. Laboratory Fees

Students in chemistry, home economics, and manual training pay a small fee for material used and for breakage.

c. Commercial Education Fees

Students pay fifty cents a term for the use of typewriters and $1 a term for the use of the bookkeeping machine.
d. Physical Training Fees
A fee of seventy-five cents a term is charged for the use of swimming suits. One dollar a term is charged for the use of towels, fifty cents of which may be refunded at the close of the term.

e. Music Fees
Private music lessons (applied music) cost $18 a term for one lesson a week.
Piano rent is $3 a term for one hour of practice each school day.
Organ rent is $3 a term for the practice organ and $6 a term for the auditorium organ. Violins and other instruments are rented for class work at $3 a term.

f. Medical Service and Hospital Fees
A physical examination is given to every student upon entrance. The results of this examination are taken into account in planning the physical training program of the student. Students may obtain medical advice and treatment free from the health director or the assistant health director. Every case of sickness should be reported promptly to the dean of women, the dean of men, or the head nurse at the hospital. If no physician is in charge of the case the head nurse will visit the student and give advice.
The college maintains a hospital for the benefit of its faculty, students, and employees. Hospital fees are $2 a day for students and $2.25 a day for faculty members in wards. The fee for single rooms is $4 a day. The fee for a private nurse is paid by the patient. With the approval of the college health director any regularly authorized physician may be employed.

g. Locker Fees
Corridor lockers are rented to students at 25 cents a term. Each student furnishes his own padlock.

h. Graduation Fees
The fee for graduation from a degree curriculum is $10, from two-year and one-year curriculums $5. The fee for a department certificate is $2.
Graduation fees must be paid two weeks before the date of graduation.

2. Room and Board in Bartlett Hall
The rent of double rooms with one window is $30 a term for each student; of double rooms with two windows, $33 a term. The rent of single rooms is $36 a term. A deposit of $10 must be paid when application is made for a room. The remainder must be paid at the opening of the term. The deposit is refunded if a room is not assigned.
Applications for rooms in Bartlett Hall may be made as follows: For the summer term 1931, on or after March 5; for the fall term 1931, May 5; for the winter term 1931-32, October 5; for the spring term 1932, January 5; for the summer term 1932, March 5.
The rooms have hot and cold water, a clothes closet, a library table, and single sanitary beds with mattress and pad. A rocking chair and a study chair are provided for each student. Bedding must be furnished by the student and should reach Bartlett Hall two or three days before the student arrives.
Students living in Bartlett Hall must board in the dining room or the college cafeteria. The cost of board in the college dining room is $4 for 5 days, $5.50 for 7 days; and in the college cafeteria about $5 a week.
3. Room and Board in Private Rooming Houses

Students may obtain rooms in private rooming houses at about $24 to $30 a term for each student. Students who do not reside at the home of a parent or guardian must room at an accredited rooming house unless permission to room elsewhere is granted by the dean of women or the dean of men. A list of accredited rooming houses will be furnished upon application.

In making final arrangements for a room the student should insist upon a definite understanding concerning prices and the service to be rendered. A written agreement is always better than an oral understanding. The college is not a party to these agreements.

The price for board at eating houses is about $5 a week.

V. SCHOLARSHIPS

A deduction of $40 from the enrollment and tuition fees for each academic year of nine months is granted to honorably discharged soldiers, sailors, and marines of the United States who have served in time of war.

To encourage young men to enter the teaching profession, a limited number of scholarships are granted to men from each county of the state, the appointments for each county being made by the county superintendent.

VI. EMPLOYMENT OF STUDENTS

The dean of women assists women students in securing employment. Women students desiring to work for room or board should register at the office of the dean of women, giving qualifications and indicating the kind of work desired.

Residents of Cedar Falls desiring the help of students in general housework, waiting on table, taking care of children, plain sewing, typewriting, or other work, are requested to file applications at the office of the dean of women.

Men students seeking employment and residents desiring the help of men students are assisted by the dean of men and by the Young Men's Christian Association.

Students should not in general attempt to meet any considerable part of their expenses by labor while in attendance at college. Freshmen in particular should be free to devote their entire time to their regular college work.

VII. LOANS

A student loan fund, administered by a committee of the faculty, is maintained by the Iowa State Teachers College. Loans of limited amount are made to students recommended by members of the faculty and by members of their home community, preferably to juniors and seniors and to students of superior scholarship. The loans bear interest at six per cent. For further information students should consult the secretary of the student loan fund committee.

The Sceley Foundation was originated by action of the alumni association in 1926. It is incorporated under the statutes of Iowa to administer a revolving loan fund for the assistance of students of the Iowa State Teachers College. For information concerning loans from this fund students should consult the financial secretary of the college.
VIII. STUDENT ORGANIZATIONS AND ACTIVITIES

Student Councils—A Student Council, composed of three seniors, two juniors, one sophomore, and one freshman, elected by the student body at large, manages all social affairs which involve the entire student body and performs other duties concerned with the maintenance of high social standards. An Associated Student Council composed of the student council members and representatives of fifteen all-college organizations assists the Student Council in its work. A Women's Council composed of student representatives from each rooming house and representatives from each corridor in Bartlett Hall considers problems pertaining to the life of the women students of the College.

Departmental Clubs—Departmental clubs are maintained in order to stimulate interest in various major lines of work and to acquaint students with new ideas in the different fields. These clubs are The Art League, The Student Craftsmen's Guild; The Education Club, Pi Beta Alpha (Primary Education), The Iowa Club (Rural Education); The English Club, The Playcraft Club, The Writers' Club, The Press Club, The Hamilton Club (English); The Ellen Richards Club and The Echo Club (Home Economics); The Classical Club, Deutscher Verein; The Mathematics Club, The Commercial Club; The Biology Club; The Orchestra Club; The Physical Education Club, The Women's Athletic Association; The Chemistry Seminar; The Council of Religious Life; Cercle Français; and The Social Science Club.

Honor Organizations—A number of honor organizations, membership in which is granted in recognition of superior achievement in various lines of educational work, are maintained. These are Kappa Delta Pi, a national honor scholastic fraternity; Delta Sigma Rho (Forensic); Theta Alpha Phi (Dramatic); Sigma Tau Delta (English); Pi Omega Pi (Commercial Education); Pi Gamma Mu (Social Science); The Shield Club, The Officers Club and the Red Cross Life Saving Corps (Physical Education for Women); and the T. C. Club, composed of men who have won letters in major sports.

Music Organizations.—Two men's glee clubs, The Minnesingers and the Troubadours, and four women's glee clubs, The Cecilians, The Euterpeans, The Bel Cantos, and The Aeolians, furnish music for various occasions and offer opportunity for training in group singing. The Choral Society composed chiefly of the combined glee clubs presents annually renditions of The Messiah and other musical numbers. The College Band and the Women's Band furnish music at athletic games and on other public occasions. The College Orchestra offers opportunity for the study and public presentation of orchestral music.

Literary Societies.—The Alpha, Shakesperean, Clio sophic, Zetalethean, Margaret Fuller Ossoli, Delphian, Eulalian, Homeric, Irving, Neo Chresto women's literary societies, and the Men's Forum give valuable training in public speaking and in the conducting of public meetings.

Religious Organizations.—Religious organizations maintained on the campus are the Young Men's Christian Association, the Young Women's Christian Association, the Catholic Students' Association, and the Council of Religious Life.

Other Organizations.—An organization of former 4-H girls continues the work of the 4-H clubs. During the summer term County Organizations and Out-of-State Organizations are formed for social purposes.

Student Publications.—The College Eye, a weekly newspaper, managed and edited by students under the supervision of the director of
publicity service; The Purple Pen, a quarterly literary magazine sponsored by Sigma Tau Delta; and The Old Gold, the college annual, published by the senior class, are publications which give training in journalistic work.

Control of Extra-Curricular Activities.—Every student is encouraged to take an active part in the extra-curricular activities in which he is interested and for which he has time. In order to prevent a student from engaging in such activities to the detriment of his regular work, each student is required to report to the dean of men or the dean of women his membership in organizations and his participation in extra-curricular activities. If the student's scholarship falls below average, the deans have the right under faculty regulations to restrict or deny such participation.

IX. THE LECTURE COURSE

Provision is made annually for a series of lectures, concerts, and entertainments of a high type to which students are admitted on the payment of a nominal fee.

X. THE PLACEMENT BUREAU

The Placement Bureau of the Iowa State Teachers College aims to assist graduates and former students who are not graduates in obtaining positions and at the same time to render a service to superintendents and boards of education by recommending candidates for administrative, supervisory, and teaching positions in the public schools.

In making nominations the bureau bases its recommendations on estimates of the candidate's scholarship, teaching ability, personal qualities, and professional attitude. School officers are invited to come to the campus, whenever possible, for personal interviews.

The initial enrollment fee is $2.00. The fee for reenrollment is $1.00 a year. Those who desire the services of the bureau should keep their credentials up to date.

The bureau does not guarantee positions. It gives, however, to those who enroll all the support that is justified by their collegiate record and professional experience.
GENERAL REGULATIONS

I. ENTRANCE REQUIREMENTS

Graduates of four-year public high schools in the state and of four-year private academies or high schools approved by the Iowa board on secondary school relations will be admitted to collegiate courses.

Any person twenty-one years of age or over may be admitted to collegiate courses as a special student. Credits earned by a special student may be counted toward graduation only when they have been approved for this purpose by special action of the faculty and when all requirements for admission to a curriculum have been met.

Fifteen units* of standard secondary work, as approved by the Iowa board on secondary school relations, are required for unconditional admission to a curriculum.

A student who is admitted to a curriculum with entrance deficiencies is required to register at once for courses that may be used in making up these deficiencies. All such deficiencies must be made up, if possible, during the first year in residence.**

Graduates of high schools in another state, if such schools are accredited by the state university of the state, will be admitted on the same conditions as graduates of approved Iowa high schools.

Graduates of unapproved secondary schools in Iowa or in other states, if not admitted as special students, will be admitted only on examination.

Certificates of high school credits should be sent to the registrar several weeks before the time of enrollment.

Further information concerning methods of admission will be furnished by the registrar upon request.

The total number of units that are required and the total number of units that will be accepted for admission to curriculums are as follows:

1. English .................. 3 units required 4 units accepted
2. One Foreign Language ..
   Other Foreign Language 4 units accepted
3. Social Science ............. 1½ units required 4 units accepted
4. Mathematics ..............
   Algebra .................. 1 unit required
   Geometry .................. 1 unit required
5. Natural and Physical Science ............. 4½ units accepted
From above five groups : 11 units required 15 units accepted
6. Miscellaneous group .......

The units that are required and the additional units that will be accepted for admission to curriculums are in detail as follows:

1. English—3 units required, 1 additional unit accepted.

The required units must be selected from composition and rhetoric.

* A unit is the equivalent of one high school study satisfactorily pursued for one school year of not less than thirty-six weeks with five recitation periods a week of at least forty minutes each, the full regular work of a student not exceeding twenty recitations a week.

** Students may obtain from the registrar information concerning suitable courses for making up deficiencies.
literature, and grammar. Not more than \( \frac{1}{2} \) unit of technical grammar may be included and this must be taken in the third or fourth year of high school work. The additional unit may be selected from \( \frac{1}{2} \) unit in public speaking, \( \frac{1}{2} \) unit in argumentation, \( \frac{1}{2} \) unit in business English, and 1 unit in composition and literature.

2. **Foreign Language**—1 unit to 8 units accepted.
   The foreign language may be selected from Greek, Latin, French, Spanish, German, Scandinavian, and any other language taught in an approved secondary school.
   Not less than 1 unit nor more than 4 units in any one language will be accepted.

3. **Social Science**—1½ units required, 2½ additional units accepted.
   - Ancient History ........................................... \( \frac{1}{2} \) to 1 unit
   - Medieval and Modern History .............................. \( \frac{1}{2} \) to 1 unit
   - General History (but not in addition to Ancient, Medieval, or Modern History) .............. \( \frac{1}{2} \) to 1 unit
   - English History ........................................... \( \frac{1}{2} \) to 1 unit
   - United States History (if taken in the third or fourth year of high school work) .......... \( \frac{1}{2} \) to 1 unit
   - Civics, Citizenship, Community Civics .......................... \( \frac{1}{2} \) unit
   - Economics .................................................. \( \frac{1}{2} \) unit
   - Sociology .................................................. \( \frac{1}{2} \) unit

4. **Mathematics**—2 units required, 2 additional units accepted.
   - Elementary Algebra through quadratics (required) 1 unit
   - Plane Geometry (required) ................................ 1 unit
   - Advanced Algebra, third semester's work ............. \( \frac{1}{2} \) unit
   - Solid Geometry ........................................... \( \frac{1}{2} \) unit
   - Trigonometry .............................................. \( \frac{1}{2} \) unit

5. **Natural and Physical Science**—\( \frac{1}{2} \) unit to 4½ units accepted.
   - Agriculture ................................................. \( \frac{1}{2} \) to 2 units
   - Astronomy ................................................. \( \frac{1}{2} \) unit
   - Botany ...................................................... \( \frac{1}{2} \) to 1 unit
   - Chemistry, not less than .................................. 1 unit
   - Geology ..................................................... \( \frac{1}{2} \) unit
   - General Science ........................................... \( \frac{1}{2} \) to 1 unit
   - Physiography ................................................ 1 unit
   - Physics, not less than ..................................... 1 unit
   - Physiology .................................................. \( \frac{1}{2} \) unit
   - Zoology ...................................................... \( \frac{1}{2} \) to 1 unit

6. **Miscellaneous Group**—4 units accepted.
   The four units may be in any subjects, if the work was done in accordance with the regulations of the Iowa board on secondary school relations and was accepted toward graduation.
   Not more than 4 units of college entrance credit will be allowed for the first year of high school work and not more than 5 units for the work of any subsequent year.

II. **ADMISSION WITH ADVANCED STANDING**

College credit earned in other standard institutions is accepted toward graduation from any curriculum as far as the credit represents work corresponding to the work of the curriculum and as far as the acceptance of the credit would not be in conflict with the requirements
for graduation. Such credit is granted at the rate of one year of credit for one year of regular work. Transcripts of college credit should be sent to the registrar several weeks before the time of enrollment.

III. ADVISERS AND AMOUNT OF WORK

The registration of every student is subject to the approval of an adviser or an advisory committee.

The regular work of a student consists of three five-hour courses or equivalent, with one extra hour if desired, and in addition until the requirements are satisfied physical training.

The minimum amount of academic work for regular students is two five-hour courses or equivalent.

A student may take a drill subject (typewriting, penmanship, music, or art), or, if he meets the prerequisites, Illustrative Teaching in addition to regular work but not in addition to extra work.

Undergraduate students may not register for more than regular work and a drill or Illustrative Teaching during their first two terms in residence.

After the first two terms in residence a student who has maintained a high rank in scholarship may be permitted by his adviser to register for more than 16 credit hours of work a week.

A graduate of a standard college may be permitted by his adviser to register for a maximum of 20 hours of work a week or 18 hours and a drill.

IV. ABSENCES AND THE MAKING UP OF WORK

Work lost by late enrollment may not be made up for credit except with the consent of the dean of men or the dean of women.

Work lost by change of registration after the first three school days may not be made up for credit without the consent of the committee on registration unless the change was due to a notice of irregularity.

Credit is not given for work lost by excused absence unless the work is made up.

Credit is not given for work lost by unexcused absence whether the work is made up or not except that work in physical training lost by unexcused absences, not exceeding two in one term, may be made up for credit.

Lost work amounting to more than one-sixth of a course or to more than one-sixth of a term’s work in physical training may not be made up for credit.

Work reported as unfinished may not be made up after the expiration of the first six weeks of the following term in residence at Cedar Falls.

One-tenth of a term hour is deducted from the term’s credit for every recitation lost and not made up (two laboratory periods being counted as one recitation period), whether the loss of the recitation was due to excused or unexcused absence or to late entrance upon the course.

V. GRADES AND SCHOLARSHIP

Marks and grade points are awarded for work as follows:
A—4 grade points for each credit hour, B—3 grade points, C—2 grade points, D—1 grade point, F—0 grade points.
Students are suspended temporarily or indefinitely for low scholarship.

VI. GENERAL REQUIREMENTS FOR GRADUATION

To meet the requirements for graduation a student must be in attendance at this institution at least thirty-six weeks, earning in such residence at least 45 hours of college credit. The last 10 hours of credit required for graduation must be earned in residence at Cedar Falls or in an affiliated school.

Not more than one-fourth of the credit required for the completion of any curriculum may be earned by other than residence work.

Unless release is granted by the college health director, physical training is required of every student each fall, winter, and spring term of attendance at Cedar Falls, but not in the summer term, with the limitation that not more than six terms of physical training is required for graduation from any curriculum other than the physical education curriculum, that not less than two terms of physical training is required for graduation from the one-year rural teacher curriculum nor less than three terms for graduation from any other curriculum, and that students who teach in one of the affiliated schools and students on the one-year rural teacher curriculum are excused from physical training during the term of their teaching. Three of the six terms of physical training must be taken in classes which meet not less than three periods a week.

Three terms or less of band practice two or more days a week may be substituted for an equal number of terms of physical training, if the student registers for band practice instead of for physical training.

A student may be listed as a candidate for graduation, if completion of the work for which he is registered would meet all the requirements for graduation exclusive of grade points and if the number of grade points to be earned does not exceed \( \frac{3}{4} \) times the number of hours to be earned. A student who has more than \( \frac{3}{4} \) times as many grade points yet to earn as hours of credit yet to earn may not be listed for graduation except that students needing 28 or less grade points may be listed for graduation. A student who is registered for all work required for graduation but who cannot be listed for graduation at the end of the term because he does not meet the above requirements may receive a diploma dated on the first Monday following the close of the term if he has completed the required work and has earned the number of grade points needed for graduation.

To be recommended for graduation a student must regularly earn \( \frac{3}{4} \) times as many grade points as hours of credit earned in residence and by extension work at this institution and used in meeting the requirements for graduation.

If a student has failed to be recommended for graduation because of lack of grade points, additional grade points are granted only upon completion of additional work in residence.

Note.—Any student who expects to be graduated at the end of a term should make written application for graduation at the opening of the term.
TEACHERS CERTIFICATES

I. COUNTY CERTIFICATES

1. Normal Training

The Iowa State Teachers College makes provision for the twelve weeks of normal training required by law for a county certificate. In order to be admitted to the normal training and to secure a statement certifying to twelve weeks of normal training, the student must be a graduate of a four-year approved high school and must earn twelve weeks of credit (5 term hours) in a didactic subject and twelve weeks of credit in each of two other five-hour collegiate subjects. The didactic subject may be selected from Primary Methods, Elementary Schoolroom Procedure, Didactics I, and Psychology I.

2. Examinations for County Certificates

The examinations for county certificates are held at the college at stated times in January, June, July, and October. Information with regard to these examinations and other essential details may be secured from the executive secretary.

3. Substitutions for Examinations

Credit in certain courses offered in the Iowa State Teachers College may be substituted for certain examinations required for county certificates. Specific information with regard to these substitutions may be secured from the executive secretary.

II. STATE CERTIFICATES

Graduates of the Iowa State Teachers College when eighteen years of age may receive state certificates without examination as indicated below:

1. For the completion of the one-year rural teacher curriculum, a rural teacher's state certificate;
2. For the completion of a four-year curriculum without having met the requirements in psychology and education for a first grade state certificate, a third grade state certificate;
3. For the completion of a two-year curriculum, a second grade state certificate;
4. For the completion of a four-year curriculum, if the credits earned include at least 9 term hours of credit in psychology and 21 term hours of credit in education and teaching, a first grade state certificate.

Every applicant for a state certificate must have earned at least 3 term hours of credit in American Government or must pass an examination in this subject.

Arrangements may be made in the office of the executive secretary for examinations for state certificates in connection with the regular county examinations.
The various curriculums of the Iowa State Teachers College provide preparation for the work of different types of teachers and administrators as follows:

1. **One-year Curriculum**
   Rural Teachers

2. **Two-year Curriculums**
   a. Kindergarten and Nursery School Teachers
   b. Primary Teachers
   c. Intermediate Grade Teachers
   d. Upper Grade Teachers
   e. Consolidated School Teachers

3. **Special Music Curriculums**
   a. Teachers of Piano, Organ, and Voice
   b. Teachers of Violin, Viola, Cello, Bass, and Harp
   c. Teachers of Woodwind and Brass Instruments

4. **Four-year Curriculums**
   a. Teachers of English, Foreign Language, Mathematics, Social Science, and Science
   c. Superintendents; Supervisors of Primary, Intermediate, and Upper Grade Work; and Critics in Normal Training High Schools

**I. TWO-YEAR CURRICULUMS**

**General Regulations**

A minimum of 90 hours of college work is required for the completion of any two-year curriculum. A student completing any one of these curriculums is admitted to junior standing on a degree curriculum with a major corresponding to the completed two-year curriculum.

Unless otherwise specified in the outline or in the notes following the outline of each curriculum, a student on a two-year curriculum may not elect courses in education, rural education, or teaching, or more than 5 hours of work in religious education, or more than 10 hours in any major line*, except that he may take 10 hours of physics and 10 hours of chemistry and 15 hours of foreign language.

For a full statement of the requirements in physical training see General Requirements for Graduation (page 36).

To secure a second grade state certificate a graduate of a two-year curriculum must have at least 3 term hours of credit in American Government including a study of the principles of a republican form of government and the constitution of the United States and of the state of Iowa or must pass a state examination in this work.

* For a list of the major lines see Degree Curriculums—Introductory Statement (page 44).
## Kindergarten and Nursery School Teacher Curriculum

Courses named in the outline are required

### First Year

<table>
<thead>
<tr>
<th>First Term</th>
<th>Hours</th>
<th>Second Term</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Activities of Early Childhood</strong></td>
<td>3</td>
<td><strong>Fine and Industrial Arts for Kindergarten and Nursery School</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Psychology I</strong></td>
<td></td>
<td><strong>Child Development</strong></td>
<td>2</td>
</tr>
<tr>
<td><strong>Drawing I</strong></td>
<td>2¼</td>
<td><strong>Nutrition for Children</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>Elective</strong></td>
<td>3</td>
<td><strong>Elective</strong></td>
<td>5</td>
</tr>
</tbody>
</table>

**Third Term**

<table>
<thead>
<tr>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Supervised Observation in the Kindergarten and Nursery School</strong></td>
</tr>
<tr>
<td><strong>Primary Drawing</strong></td>
</tr>
<tr>
<td><strong>Elective</strong></td>
</tr>
</tbody>
</table>

**Physical training each fall, winter, and spring term**

### Second Year

<table>
<thead>
<tr>
<th>First Term</th>
<th>Hours</th>
<th>Second Term</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Kindergarten and Nursery School Teaching</strong></td>
<td>5</td>
<td><strong>Kindergarten and Nursery School Teaching</strong></td>
<td>5</td>
</tr>
<tr>
<td><strong>Kindergarten and Nursery School Education</strong></td>
<td>2</td>
<td><strong>Primary Illustrative Teaching</strong></td>
<td>2</td>
</tr>
<tr>
<td><strong>Elements of Music</strong></td>
<td>2¼</td>
<td><strong>Primary Music</strong></td>
<td>2½</td>
</tr>
<tr>
<td><strong>Elective</strong></td>
<td>5</td>
<td><strong>Primary Educational Classics</strong></td>
<td>3</td>
</tr>
</tbody>
</table>

**Third Term**

<table>
<thead>
<tr>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>History of Kindergarten and Nursery School Education</strong></td>
</tr>
<tr>
<td><strong>Primary Methods in Reading and Mathematics</strong></td>
</tr>
<tr>
<td><strong>Elective</strong></td>
</tr>
</tbody>
</table>

**Physical training each fall, winter, and spring term**

### Notes

1. The electives must include 5 hours of English or speech and 10 hours of work in two different sciences in the mathematics and science group. Hygiene and Sanitation or college work in physiology must be taken unless physiology was accepted for entrance.

2. For further details see General Regulations—General Requirements for Graduation (page 36) and Two-year Curriculums—General Regulations (page 38).

## Primary Teacher Curriculum

Courses named in the outline are required

### First Year

<table>
<thead>
<tr>
<th>First Term</th>
<th>Hours</th>
<th>Second Term</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Primary Methods in Reading and Mathematics</strong></td>
<td>5</td>
<td><strong>Primary Methods in Language and Literature</strong></td>
<td>5</td>
</tr>
<tr>
<td><strong>Psychology I</strong></td>
<td>5</td>
<td><strong>Primary Music</strong></td>
<td>2½</td>
</tr>
<tr>
<td><strong>Elements of Music</strong></td>
<td>2½</td>
<td><strong>Drawing I</strong></td>
<td>2½</td>
</tr>
<tr>
<td><strong>Primary Industrial Arts</strong></td>
<td>3</td>
<td><strong>Elective</strong></td>
<td>5</td>
</tr>
</tbody>
</table>

**Third Term**

<table>
<thead>
<tr>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Primary Illustrative Teaching</strong></td>
</tr>
<tr>
<td><strong>Primary Drawing</strong></td>
</tr>
<tr>
<td><strong>Psychology II, III, IV, or V</strong></td>
</tr>
<tr>
<td><strong>English I</strong></td>
</tr>
</tbody>
</table>

**Physical training each fall, winter, and spring term**
# Elementary Teacher Curriculum

## A. For Teachers in the Intermediate Grades

### Courses named in the outline are required

<table>
<thead>
<tr>
<th>First Year</th>
<th>First Term</th>
<th>Hours</th>
<th>Second Term</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology I</td>
<td>5</td>
<td></td>
<td>Educational Psychology</td>
<td>5</td>
</tr>
<tr>
<td>Elements of Music</td>
<td>2½</td>
<td></td>
<td>English I</td>
<td>5</td>
</tr>
<tr>
<td>Drawing I</td>
<td>2½</td>
<td></td>
<td>American Government</td>
<td>5</td>
</tr>
<tr>
<td>American History I</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Third Term</th>
<th>Hours</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Elementary Schoolroom Procedure or Rural School Management</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Intermediate Grade Music</td>
<td>2½</td>
<td></td>
</tr>
<tr>
<td>Drawing II</td>
<td>2½</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Physical training each fall, winter, and spring term</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Second Year

<table>
<thead>
<tr>
<th>First Term</th>
<th>Hours</th>
<th>Second Term</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elementary School Methods (Note 1)</td>
<td>5</td>
<td>Teaching</td>
<td>10</td>
</tr>
<tr>
<td>Science Elective (Note 3)</td>
<td>5</td>
<td>Elements of Literature (Note 2)</td>
<td>5</td>
</tr>
<tr>
<td>Elective</td>
<td>5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Third Term</th>
<th>Hours</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Elements of Geography I</td>
<td>5</td>
<td>Penmanship (Note 4)</td>
</tr>
<tr>
<td>Principles of Elementary Mathematics</td>
<td>5</td>
<td>Physical training each fall, winter, and spring term</td>
</tr>
</tbody>
</table>

## Notes

1. Students classified on the Elementary Teacher curriculum must take Elementary School Methods before the first term of teaching.
2. Students classified on the Elementary Teacher curriculum may not take Elements of Literature before the first term of teaching.
3. This science elective must be chosen from Botany I—IV, Everyday Physical Science, Hygiene and Sanitation, and Nature Study.
4. A student who shows suitable proficiency in penmanship may be released from this requirement by the head of the department of mathematics and commercial education.

5. Deviations from the order of the courses in the above outline are made as needed in distributing the work in the different departments.

6. For further details see General Regulations—General Requirements for Graduation (page 36) and Two-year Curriculums—General Regulations (page 38).

B. For Teachers in the Upper Grades

Courses named in the outline are required

<table>
<thead>
<tr>
<th>First Term</th>
<th>Second Term</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology I</td>
<td>Elementary Schoolroom Procedure</td>
<td>5</td>
</tr>
<tr>
<td>Elements of Geography I</td>
<td>or Rural School Management</td>
<td>5</td>
</tr>
<tr>
<td>English I</td>
<td>Educational Psychology</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Principles of Elementary Mathematics</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Third Term</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elementary School Methods (Note 2)</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>American History I</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Illustrative Teaching</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical training each fall, winter, and spring term</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>First Term</th>
<th>Second Term</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching</td>
<td>American Government</td>
<td>5</td>
</tr>
<tr>
<td>Elements of Literature (Note 3)</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Third Term</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elements of Music</td>
<td></td>
<td>2½</td>
</tr>
<tr>
<td>Drawing I</td>
<td></td>
<td>2½</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>Physical training each fall, winter, and spring term</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Notes

1. The electives must include Hygiene and Sanitation or college work in physiology unless physiology was accepted for entrance and Everyday Physical Science or Physics A unless physics was accepted for entrance.

2. Students classified on the Elementary Teacher curriculum must take Elementary School Methods before the first term of teaching.

3. Students classified on the Elementary Teacher curriculum may not take Elements of Literature before the first term of teaching.

4. Deviations from the order of courses in the above outline are made as needed in distributing the work in the different departments.

5. Students who wish to prepare for departmental work in the seventh and eighth grades should complete more than a two-year curriculum and should make suitable preparation in the field of specialization. Those who wish to prepare for teaching positions in junior high schools should have four years of college preparation.

6. For further details see General Regulations—General Requirements for Graduation (page 36) and Two-year Curriculums—General Regulations (page 38).
## Rural and Consolidated School Teacher Curriculum

Courses named in the outline are required

### First Year—Rural Teacher Curriculum—45 term hours

<table>
<thead>
<tr>
<th>Course Name</th>
<th>First Term Hours</th>
<th>Second Term Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rural School Management or Didactics 1</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Principles of Elementary Mathematics</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>English 1</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Penmanship (Note 6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Third Term Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rural Observation and Teaching</td>
<td></td>
</tr>
<tr>
<td>(Note 2)</td>
<td>2½</td>
</tr>
<tr>
<td>American Government</td>
<td>5</td>
</tr>
<tr>
<td>Elements of Music</td>
<td>2½</td>
</tr>
<tr>
<td>Elements of Geography I</td>
<td>5</td>
</tr>
<tr>
<td>Physical training each fall, winter, and spring term</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>2½</strong></td>
</tr>
</tbody>
</table>

### Second Year—Consolidated School Teacher Curriculum—45 term hours

<table>
<thead>
<tr>
<th>Course Name</th>
<th>First Term Hours</th>
<th>Second Term Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology I</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>American History I or European History I</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Illustrative Teaching</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Third Term Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Consolidated School and Country Life</td>
<td>5</td>
</tr>
<tr>
<td>Science Elective (Note 3)</td>
<td>5</td>
</tr>
<tr>
<td>Elective</td>
<td>5</td>
</tr>
<tr>
<td>Physical training each fall, winter, and spring term</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>5</strong></td>
</tr>
</tbody>
</table>

### Notes

1. A student who completes the first year's work on this curriculum may receive a rural teacher's diploma and when eighteen years of age a rural teacher's state certificate.

2. A student who does not wish to receive the rural teacher's diploma should take an elective in place of Rural Observation and Teaching.

3. The science elective must be chosen from Hygiene and Sanitation, Everyday Physical Science, and Nature Study.

4. A student who presents one unit of entrance credit in agriculture may not receive additional credit for General Agriculture and should take an elective in its place.

5. Students classified on the Consolidated School Teacher curriculum may not take Elements of Literature before taking the first term of teaching.

6. A student who shows suitable proficiency in penmanship may be released from this requirement by the head of the department of mathematics and commercial education.

7. A student enrolled on the one-year rural teacher curriculum is released from the physical training requirement during the term in which he is registered for Rural Observation and Teaching.

8. For further details see General Regulations—General Requirements for Graduation (page 36) and Two-year Curriculums—General Regulations (page 38).

### II. SPECIAL MUSIC CURRICULUMS

#### Requirements for Graduation

A special music diploma will be awarded to a student who satisfactorily completes the work of any one of the curriculums outlined below.
Outline of the Requirements for Graduation from the Special Music Curriculums

1. The Voice, Piano, and Organ Curriculums
   a. Two lessons a week for at least six terms in the major music study (Note 1).
   b. Six terms of work in a minor music study (Voice, Piano, Organ, or any of the instruments taught in the orchestral music department).
   c. Required courses: Music I, 3 hours; Introductory Harmony, 3 hours; harmony courses, 12 hours; history of music courses, 7 hours.
   d. Five hours of class work in lines other than applied music each term.
   e. At least 45 hours of college credit in addition to the full requirements for admission to a collegiate curriculum at this institution.
   f. A satisfactory public performance in recital in the major music study.
   g. Physical training each fall, winter, and spring term in attendance. For a full statement of the requirements in physical training see General Regulations-General Requirements for Graduation (page 36).

2. The Violin Curriculum
   a. Two lessons a week for at least six terms in violin.
   b. Six terms of work in piano.
   c. Required courses: Introductory Harmony, 3 hours; harmony courses, 12 hours; history of music courses, 7 hours.
   d. Five hours of class work in lines other than applied music each term.
   e. At least 45 hours of college credit in addition to the full requirements for admission to a collegiate curriculum at this institution. The elective courses may include counterpoint.
   f. Orchestral and ensemble work each term.
   g. A satisfactory public performance in recital in violin.
   h. Physical training each fall, winter, and spring term in attendance. For a full statement of the requirements in physical training see General Regulations-General Requirements for Graduation (page 36).

3. The Viola, Cello, Bass, and Harp Curriculums
   The requirements for graduation from these curriculums are the same as those for the violin curriculum except that work in the chosen instrument is substituted for work in violin.

4. Wood-wind and Brass Instrument Curriculums
   The flute, oboe, clarinet, bassoon, cornet, trombone, French horn, bassett horn, and sarrusophone curriculums require work similar to that outlined for the violin curriculum. The requirements for graduation from these curriculums are the same as those for the violin curriculum except that work in the chosen instrument is substituted for work in violin.

Notes

1. Two terms of credit with one lesson a week each term are equivalent to one term of credit with two lessons a week.
2. A student who has met the full requirements for admission to a collegiate curriculum at this institution may receive one hour of college credit for one or two lessons a week and five hours of practice a week in any line of music study mentioned above.
3. Students enrolled on the special music curriculums who have earned credit for three terms of applied music and at least five hours
of college credit each term may take courses in music that are open to sophomores.

III. DEGREE CURRICULUMS

Introductory Statement

The four-year curriculums are designated as degree curriculums.

The degree curriculum organized to include majors in English, Latin, German, French, Spanish, speech, history, government, economics, mathematics, biological science, earth science, physics, chemistry, physical science, art, music, physical education, psychology, education, rural education, critic work, primary education, and kindergarten and nursery school education leads to the degree of Bachelor of Arts in Education.

The degree curriculum organized to include majors in agriculture, commercial education, coaching and athletics, home economics, and manual arts leads to the degree of Bachelor of Science in Education.

A major consists of not less than 40 hours nor more than 60 hours of work in a major line. The major may include a maximum of 10 hours of work in related courses as designated in the departmental statements of Courses of Instruction.

Unless otherwise specified in the departmental statements of Courses of Instruction, a minor consists of not less than 20 hours nor more than 30 hours of work in a major line. Coaching and athletics, physical science, public school music, orchestral music, band music, kindergarten and nursery school education, primary education, normal training high school critic work, and teaching and critic training may not be used as minors.

If physical science is the student’s major, a minimum of 15 hours of physics and 15 hours of chemistry is required.

The different groups of majors are as follows:

Professional Group
Education
Rural Education
Kindergarten and Nursery School Education
Primary Education
Normal Training High School Critic Work
Teaching and Critic Training
Psychology

English Group
English
Speech

Foreign Language Group
Latin
German
French
Spanish

Social Science Group
History
Government
Economics

* A major line is the series of courses from which the work of a major may be chosen.
Mathematics and Science Group
- Mathematics
- Biological Science
- Earth Science
- Agriculture
- Physics
- Chemistry
- Physical Science

Miscellaneous Group
- Art
- Manual Arts
- Home Economics
- Commercial Education
- Physical Education
- Coaching and Athletics
- Public School Music
- Orchestral Music
- Band Music
- Orchestral and Band Music

With the approval of the head of the department concerned, a student classified on a degree curriculum must choose a major before registering for courses which will include work of the sophomore year.

The head of the department in which the major is chosen is the adviser of the student.

A minor must be chosen at the same time as the major and with the approval of the head of the department in charge of the major.

The requirements for a degree include in addition to the general requirements for graduation at least 45 hours of credit earned in the junior and senior years in courses of this institution, at least 30 hours of credit earned in the junior and senior years in residence at this institution, at least 90 hours of credit earned in courses not open to freshmen, at least 60 hours of credit earned in courses open only to juniors and seniors.

Twenty hours of the major must be in courses not open to freshmen and 10 hours must be in courses open only to juniors and seniors.

Students who have completed a two-year curriculum requiring 10 hours of teaching are required to take 5 additional hours of teaching in the senior year of the degree curriculums unless released from this requirement by the head of the department of teaching.

A student may not use in meeting the requirements for graduation more than 60 hours of credit in any two major lines in the same group, except that he may use 75 hours if the two lines are his major line and his minor line.*

Except in his major line, in the physical science major, and in professional work, a student classified on a degree curriculum may not use in meeting the requirements for graduation more than 30 hours of credit in any of the lines designated as major lines; and he may not use more than 20 hours in public school music, or 10 hours in applied music with a combined maximum of 20 hours in public school music and applied music, or more than 20 hours in orchestral music and applied music, or more than 15 hours in religious education, or more than 15 hours in teaching, or more than 10 hours or less than 8 hours in theory courses in athletics except that those whose major is agriculture or commercial

* A minor line is the series of courses from which the work of a minor may be chosen.
education or manual arts may use toward graduation 15 hours in theory courses in athletics.

The degree of Bachelor of Arts in Education and the degree of Bachelor of Science in Education are not granted to the same person.

A. Suggestive Outlines of the Curriculum Leading to the Degree of Bachelor of Arts in Education

1. For majors in English, Latin, German, French, Spanish, speech, history, government, economics, mathematics, biological science, earth science, physics, chemistry, physical science, psychology, education, rural education, critic work, primary education, and kindergarten and nursery school education.

Courses named in the outline are required

**Freshman Year**

<table>
<thead>
<tr>
<th>First Term Hours</th>
<th>Second Term Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreign Language</td>
<td>5</td>
</tr>
<tr>
<td>Electives</td>
<td>10</td>
</tr>
</tbody>
</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>First Term Hours</th>
<th>Second Term Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology I</td>
<td>5</td>
</tr>
<tr>
<td>Electives</td>
<td>10</td>
</tr>
</tbody>
</table>

| Education section A or section C (Note 3) | 5 |
| Electives                                  | 10 |

Physical training each fall, winter, and spring term

**Junior Year**

<table>
<thead>
<tr>
<th>First Term Hours</th>
<th>Second Term Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education section B</td>
<td>5</td>
</tr>
<tr>
<td>Electives</td>
<td>10</td>
</tr>
</tbody>
</table>

| Education section C or section A (Note 3) | 5 |
| Electives                                  | 10 |

Illustrative Teaching

**Senior Year**

<table>
<thead>
<tr>
<th>First Term Hours</th>
<th>Second Term Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching</td>
<td>5</td>
</tr>
<tr>
<td>Electives</td>
<td>10</td>
</tr>
</tbody>
</table>

| Electives        | 10                |

**Notes**

1. The electives must include 5 hours of English from courses II and V-IX or of speech from courses II-V and 5 hours of English from courses X-XXXIV; 15 hours of social science; 20 hours of work from the mathematics and science group; and must meet the requirements for the student's major and minor.

2. Foreign language is required in the freshman year but with the consent of the adviser may be postponed until the sophomore year. A student admitted to junior standing on a degree curriculum after finishing a two-year curriculum may postpone fulfillment of the foreign language requirement until the senior year but will receive only one-half
the regular credit for required work in foreign language taken in the senior year.

3. Students are required to take 5 hours of work in section A in education, 5 hours in section B, 5 hours in section C, and a second 5 hours in section A or section C. Work in rural education or a course on the teaching of the student's major subject may be substituted for the whole or a part of the second 5 hours of work in section A or section C in education.

4. Psychology IX or X may be elected in the junior or the senior year as the second 5 hours of required psychology.

5. For further details see Degree Curriculums—Introductory Statement (page 44) and General Requirements for Graduation (page 36).

2. For a major in Public School Music

Courses named in the outline are required

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Term</strong></td>
<td><strong>Second Term</strong></td>
</tr>
<tr>
<td>Music I</td>
<td>3</td>
</tr>
<tr>
<td>Applied Music</td>
<td>2</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>5</td>
</tr>
<tr>
<td>Elective</td>
<td>5</td>
</tr>
<tr>
<td>*Supervisors Violin (a)</td>
<td></td>
</tr>
<tr>
<td><strong>Third Term</strong></td>
<td><strong>Hours</strong></td>
</tr>
<tr>
<td>Introductory Harmony</td>
<td>3</td>
</tr>
<tr>
<td>Applied Music</td>
<td>2</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>5</td>
</tr>
<tr>
<td>Elective</td>
<td>5</td>
</tr>
<tr>
<td>*Supervisors Violin (c)</td>
<td></td>
</tr>
<tr>
<td>Physical training each fall, winter, and spring term</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Term</strong></td>
<td><strong>Second Term</strong></td>
</tr>
<tr>
<td>Harmony I</td>
<td>3</td>
</tr>
<tr>
<td>Applied Music</td>
<td>2</td>
</tr>
<tr>
<td>Psychology I</td>
<td>5</td>
</tr>
<tr>
<td>Elective</td>
<td>5</td>
</tr>
<tr>
<td><strong>Third Term</strong></td>
<td><strong>Hours</strong></td>
</tr>
<tr>
<td>Applied Music</td>
<td>2</td>
</tr>
<tr>
<td>Music elective</td>
<td>3 or 5</td>
</tr>
<tr>
<td>Education section A or section C</td>
<td>5</td>
</tr>
<tr>
<td>(Note 3)</td>
<td>5</td>
</tr>
<tr>
<td>Elective</td>
<td>5</td>
</tr>
<tr>
<td>Physical training each fall, winter, and spring term</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Term</strong></td>
<td><strong>Second Term</strong></td>
</tr>
<tr>
<td>History of Music I</td>
<td>2</td>
</tr>
<tr>
<td>Choral Conducting</td>
<td>2</td>
</tr>
<tr>
<td>Education section B</td>
<td>5</td>
</tr>
<tr>
<td>Electives</td>
<td>6</td>
</tr>
<tr>
<td><strong>Third Term</strong></td>
<td><strong>Hours</strong></td>
</tr>
<tr>
<td>Music elective</td>
<td>3 or 2</td>
</tr>
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<td>Music Methods II</td>
<td>3</td>
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<td>Education section C or section A</td>
<td>5</td>
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<tr>
<td>(Note 3)</td>
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</tr>
<tr>
<td>Elective</td>
<td>5</td>
</tr>
<tr>
<td>Illustrative Teaching</td>
<td></td>
</tr>
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<table>
<thead>
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<th>Senior Year</th>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>First Term</strong></td>
<td><strong>Second Term</strong></td>
</tr>
<tr>
<td>Music Appreciation I</td>
<td>3</td>
</tr>
<tr>
<td>Teaching</td>
<td>5</td>
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<td>Electives</td>
<td>7</td>
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<td><strong>Third Term</strong></td>
<td><strong>Hours</strong></td>
</tr>
<tr>
<td>Electives</td>
<td>15</td>
</tr>
</tbody>
</table>

* Supervisors Violin or Applied Music in Violin
IOWA STATE TEACHERS COLLEGE

Notes

1. The electives must include 5 hours of English from courses II and V-IX or of speech from courses II-V and 5 hours of English from courses X-XXIV; 15 hours of social science; 20 hours of work from the mathematics and science group; and must meet the requirements for the student's minor. The curriculum may include a maximum of 60 hours of public school music and 24 hours of applied music with a combined maximum of 75 hours.

2. Foreign language is required in the freshman year but with the consent of the adviser may be postponed until the sophomore year. A student admitted to junior standing on a degree curriculum after finishing a two-year curriculum may postpone fulfillment of the foreign language requirement until the senior year but will receive only one-half the regular credit for required work in foreign language taken in the senior year.

3. Students are required to take 5 hours of work in section A in education, 5 hours in section B, 5 hours in section C, and a second 5 hours in section A or section C. Work in rural education may be substituted for the whole or a part of the second 5 hours of work in section A or section C in education.

4. Psychology IX or X may be elected in the junior or senior year as the second 5 hours of required psychology.

5. For further details see Degree Curriculums—Introductory Statement (page 44) and General Requirements for Graduation (page 36).

3. For a major in Orchestral Music or Band Music

Courses named in the outline are required

Freshman Year

<table>
<thead>
<tr>
<th>First Term</th>
<th>Hours</th>
<th>Second Term</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music I</td>
<td>3</td>
<td>Music II</td>
<td>3</td>
</tr>
<tr>
<td>Applied Music</td>
<td>2</td>
<td>Applied Music</td>
<td>2</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>5</td>
<td>Foreign Language</td>
<td>5</td>
</tr>
<tr>
<td>English I</td>
<td>5</td>
<td>Elective</td>
<td>5</td>
</tr>
<tr>
<td>*Supervisors Violin (a)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Introductory Harmony</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Applied Music</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foreign Language</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Supervisors Violin (b)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical training each fall, winter, and spring term</td>
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</table>

Sophomore Year

<table>
<thead>
<tr>
<th>First Term</th>
<th>Hours</th>
<th>Second Term</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harmony I</td>
<td>3</td>
<td>Harmony II</td>
<td>3</td>
</tr>
<tr>
<td>Orchestral Instruments I</td>
<td>1</td>
<td>Orchestral Instruments II</td>
<td>1</td>
</tr>
<tr>
<td>Applied Music</td>
<td>5</td>
<td>Applied Music</td>
<td>1</td>
</tr>
<tr>
<td>Psychology I</td>
<td>5</td>
<td>Psychology VI, VII, or VIII</td>
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<tr>
<td>Elective</td>
<td>5</td>
<td>Elective</td>
<td>5</td>
</tr>
<tr>
<td>Education section A or section C</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Note 4)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Third Term</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Harmony III</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Orchestral Instruments III</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Applied Music</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical training each fall, winter, and spring term</td>
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* Supervisors Violin or Applied Music in Violin.
### Junior Year

<table>
<thead>
<tr>
<th>First Term</th>
<th>Hours</th>
<th>Second Term</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Harmony IV</td>
<td>3</td>
<td>Counterpoint II</td>
<td>2</td>
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<tr>
<td>Counterpoint I</td>
<td>2</td>
<td>History of Music I</td>
<td>3</td>
</tr>
<tr>
<td>History of Music I</td>
<td>2</td>
<td>Orchestral Instruments V</td>
<td>1</td>
</tr>
<tr>
<td>Orchestral Instruments IV</td>
<td>1</td>
<td>Applied Music</td>
<td>1</td>
</tr>
<tr>
<td>Applied Music</td>
<td>1</td>
<td>Education section B</td>
<td>5</td>
</tr>
<tr>
<td>Electives</td>
<td>6</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Third Term</td>
<td>Hours</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Counterpoint III</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>History of Music III</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Orchestral Conducting</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Orchestral Instruments VI</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Applied Music</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Illustrative Teaching</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year</th>
<th>First Term</th>
<th>Hours</th>
<th>Second Term</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orchestration I</td>
<td>3</td>
<td>Applied Music</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Applied Music</td>
<td>1</td>
<td>Education section C or section A</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>(Note 4)</td>
<td>5</td>
<td>Teaching</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Teaching</td>
<td>5</td>
<td>Elective</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Third Term</td>
<td>Hours</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Applied Music</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>14</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Notes

1. The electives must include 5 hours of English from courses II and V-IX or of speech from courses II-V and 5 hours of English from courses X-XXXIV; 15 hours of social science; 20 hours of work from the mathematics and science group; and must meet the requirements for the student's minor.

2. The applied music must include 3 hours of piano or organ, which should be taken in the first year, and 12 hours of work in one or more of the orchestral instruments.

3. Foreign language is required in the freshman year but with the consent of the adviser may be postponed until the sophomore year. A student admitted to junior standing on a degree curriculum after finishing a two-year curriculum may postpone fulfillment of the foreign language requirement until the senior year but will receive only one-half the regular credit for required work in foreign language taken in the senior year.

4. Students are required to take 5 hours of work in section A in education, 5 hours in section B, 5 hours in section C, and a second 5 hours in section A or section C. Work in rural education may be substituted for the whole or a part of the second 5 hours of work in section A or section C in education.

5. Psychology IX or X may be elected in the junior or the senior year as the second 5 hours of required psychology.

6. A student may complete a major in orchestral and band music by taking the required music courses of the major in orchestral music and in addition Band Conducting and Band Instrumentation.

7. For further details see Degree Curriculums—Introductory Statement (page 44) and General Requirements for Graduation (page 36).

† Band Conducting for those whose major is band music.
‡ Band Instrumentation for those whose major is band music.
4. For a major in Art

Courses named in the outline are required

**Freshman Year**

<table>
<thead>
<tr>
<th>First Term Hours</th>
<th>Second Term Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreign Language</td>
<td>10</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Third Term Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical training each fall, winter, and spring term</td>
</tr>
</tbody>
</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>First Term Hours</th>
<th>Second Term Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drawing I</td>
<td>21/2</td>
</tr>
<tr>
<td>Mechanical Drawing I</td>
<td>2</td>
</tr>
<tr>
<td>Elective</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>General Design</td>
<td>3</td>
</tr>
<tr>
<td>Drawing II</td>
<td>21/2</td>
</tr>
<tr>
<td>Psychology I</td>
<td>5</td>
</tr>
<tr>
<td>(Note 3)</td>
<td>5</td>
</tr>
<tr>
<td>Elective</td>
<td>5</td>
</tr>
<tr>
<td>Water Color</td>
<td>21/2</td>
</tr>
<tr>
<td>Perspective</td>
<td>21/2</td>
</tr>
<tr>
<td>Elementary Tests and Measurements</td>
<td>5</td>
</tr>
<tr>
<td>or Educational Tests and Measurements for High School Teachers (Note 4)</td>
<td>5</td>
</tr>
<tr>
<td>Elective</td>
<td>5</td>
</tr>
<tr>
<td>Physical training each fall, winter, and spring term</td>
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</tbody>
</table>

**Junior Year**

<table>
<thead>
<tr>
<th>First Term Hours</th>
<th>Second Term Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Design</td>
<td>21/2</td>
</tr>
<tr>
<td>Drawing III</td>
<td>5</td>
</tr>
<tr>
<td>Education section B</td>
<td>5</td>
</tr>
<tr>
<td>Elective</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Applied Arts I</td>
<td>3</td>
</tr>
<tr>
<td>Commercial Illustration</td>
<td>21/2</td>
</tr>
<tr>
<td>Education section C</td>
<td>5</td>
</tr>
<tr>
<td>Elective</td>
<td>5</td>
</tr>
<tr>
<td>Applied Arts II</td>
<td>21/2</td>
</tr>
<tr>
<td>Interior Decoration</td>
<td>21/2</td>
</tr>
<tr>
<td>Electives</td>
<td>10</td>
</tr>
<tr>
<td>Illustrative Teaching</td>
<td></td>
</tr>
</tbody>
</table>

**Senior Year**

<table>
<thead>
<tr>
<th>First Term Hours</th>
<th>Second Term Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Teaching of Art</td>
<td>5</td>
</tr>
<tr>
<td>Teaching</td>
<td>5</td>
</tr>
<tr>
<td>Elective</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>History of Art</td>
<td>5</td>
</tr>
<tr>
<td>Teaching</td>
<td>5</td>
</tr>
<tr>
<td>Elective</td>
<td>5</td>
</tr>
<tr>
<td>Pictorial Composition</td>
<td>21/2</td>
</tr>
<tr>
<td>Electives</td>
<td>12</td>
</tr>
</tbody>
</table>

**Notes**

1. The electives must include 5 hours of English from courses II and V-IX or of speech from courses II-V and 5 hours of English from courses X-XXXIV; 15 hours of social science; 20 hours of work from the mathematics and science group; and must meet the requirements for the student's minor.

2. Foreign language is required in the freshman year but with the consent of the adviser may be postponed until the sophomore year. A student admitted to junior standing on a degree curriculum after finishing a two-year curriculum may postpone fulfillment of the foreign language requirement until the senior year but will receive only one-half the regular credit for required work in foreign language taken in the senior year.

3. Psychology IX or X may be elected in the junior or the senior year as the second 5 hours of required psychology.
4. If Educational Tests and Measurements for High School Teachers is elected, it must be delayed until the junior year.

5. For further details see Degree Curriculums—Introductory Statement (page 44) and General Requirements for Graduation (page 36).

5. For a major in Physical Education

Courses named in the outline are required

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>First Term</td>
<td>Hours</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Mechanics, Light, Electricity</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Physical training</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Third Term</td>
<td>Hours</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Physiological Chemistry</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Speech I or VI</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Physical training</td>
<td>5</td>
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<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>First Term</td>
<td>Hours</td>
</tr>
<tr>
<td>Anatomy I</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Psychology I</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Physical training</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Third Term</td>
<td>Hours</td>
</tr>
<tr>
<td>Kinesiology</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>History of Physical Education</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Education section A or section C</td>
<td>(Note 3)</td>
<td>5</td>
</tr>
<tr>
<td>Physiology</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Physical training</td>
<td>5</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>First Term</td>
<td>Hours</td>
</tr>
<tr>
<td>Physical Education I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Physical Education II</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Physical Education IV</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Physical training</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Third Term</td>
<td>Hours</td>
</tr>
<tr>
<td>Physical Education V</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Physical Department Administration</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Education section B</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Illustrative Teaching</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Physical training</td>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>First Term</td>
<td>Hours</td>
</tr>
<tr>
<td>School Health Problems</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Teaching</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Education section A or section C</td>
<td>(Note 3)</td>
<td>5</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Physical training</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Third Term</td>
<td>Hours</td>
</tr>
<tr>
<td>Physiology of Exercise</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

Notes

1. The electives must include 5 hours of English from courses II and V-IIX or of speech II-V and 5 hours of English from courses X-XXXIV; 15 hours of social science; and must meet the requirements for the student's minor.

2. A student whose major is physical education must take four
courses in physical training each term unless released by his adviser from a part of this requirement.

3. Students are required to take 5 hours of work in section A in education, 5 hours in section B, 5 in section C, and a second 5 hours in section A or section C. Work in rural education may be substituted for the whole or a part of the second 5 hours of work in section A or section C in education.

4. For further details see Degree Curriculums—Introductory Statement (page 44) and General Requirements for Graduation (page 36).

B. Suggestive Outlines of the Curriculum
Leading to the Degree of
Bachelor of Science in Education

1. For a major in Home Economics

Courses named in the outline are required

<table>
<thead>
<tr>
<th>Freshman Year</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Term</strong></td>
</tr>
<tr>
<td>Hours</td>
</tr>
<tr>
<td>Inorganic Chemistry A</td>
</tr>
<tr>
<td>English I</td>
</tr>
<tr>
<td>Animal Biology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Term</strong></td>
</tr>
<tr>
<td>Hours</td>
</tr>
<tr>
<td>Food Preparation II</td>
</tr>
<tr>
<td>Psychology I</td>
</tr>
<tr>
<td>Elective</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Term</strong></td>
</tr>
<tr>
<td>Hours</td>
</tr>
<tr>
<td>Costume Design</td>
</tr>
<tr>
<td>House Planning</td>
</tr>
<tr>
<td>Education section A or section C (Note 2)</td>
</tr>
<tr>
<td>Elective</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Term</strong></td>
</tr>
<tr>
<td>Hours</td>
</tr>
<tr>
<td>Food and Dietetics</td>
</tr>
<tr>
<td>Teaching</td>
</tr>
<tr>
<td>Electives</td>
</tr>
</tbody>
</table>

*If Inorganic Chemistry A or Inorganic Chemistry B is not offered in the program of recitations, Inorganic Chemistry I may be substituted for Inorganic Chemistry A, and Inorganic Chemistry II for Inorganic Chemistry B.
Notes

1. The electives must include 5 hours of English from courses II and V-IX or of speech from courses II-V and 5 hours of English from courses X-XXXIV; 5 hours of social science; and must meet the requirements for the student's minor. If foreign language is not elected, a second 5 hours of English from courses X-XXXIV is required.

2. Students are required to take 5 hours of work in section A in education, 5 hours in section B, 5 hours in section C, and an additional 2 hours in section A or section C in education or in rural education.

3. For further details see Degree Curriculums—Introductory Statement (page 44) and General Requirements for Graduation (page 36).

2. For a major in Manual Arts

Courses named in the outline are required

Freshman Year

<table>
<thead>
<tr>
<th>First Term Hours</th>
<th>Second Term Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mechanical Drawing I</td>
<td>2</td>
</tr>
<tr>
<td>Woodwork I</td>
<td>3</td>
</tr>
<tr>
<td>English I</td>
<td>5</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
</tr>
<tr>
<td>Industrial Arts Design</td>
<td>2½</td>
</tr>
<tr>
<td>Wood Finishing</td>
<td>2</td>
</tr>
<tr>
<td>English (Note 1)</td>
<td>5</td>
</tr>
<tr>
<td>Electives</td>
<td>5½</td>
</tr>
</tbody>
</table>

Third Term Hours

| Sheet Metal Work I | 2½ |
| Perspective | 2½ |
| English (Note 1) | 5 |
| Elective | 5 |

Physical training each fall, winter, and spring term

Sophomore Year

<table>
<thead>
<tr>
<th>First Term Hours</th>
<th>Second Term Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology I</td>
<td>5</td>
</tr>
<tr>
<td>Physics I and II</td>
<td>5</td>
</tr>
<tr>
<td>Elective</td>
<td>5</td>
</tr>
<tr>
<td>Woodwork II</td>
<td>2</td>
</tr>
<tr>
<td>Mechanical Drawing II</td>
<td>3</td>
</tr>
<tr>
<td>Psychology VI, VII, or VIII (Note 2)</td>
<td>5</td>
</tr>
<tr>
<td>Elective</td>
<td>5</td>
</tr>
</tbody>
</table>

Third Term Hours

| Mechanical Drawing III | 3 |
| Woodwork III | 2 |
| Physics V and VI | 5 |
| Elective | 5 |

Physical training each fall, winter, and spring term

Junior Year

<table>
<thead>
<tr>
<th>First Term Hours</th>
<th>Second Term Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Teaching of Manual Arts</td>
<td>5</td>
</tr>
<tr>
<td>The Teaching of Manual Arts</td>
<td>5</td>
</tr>
<tr>
<td>Education section C</td>
<td>5</td>
</tr>
<tr>
<td>Elective</td>
<td>5</td>
</tr>
<tr>
<td>Organization and Administration</td>
<td>5</td>
</tr>
<tr>
<td>Elective</td>
<td>5</td>
</tr>
</tbody>
</table>

Third Term Hours

| Woodwork IV | 5 |
| Elective | 5 |

Senior Year

<table>
<thead>
<tr>
<th>First Term Hours</th>
<th>Second Term Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Planning and Equipment of the School Shop</td>
<td>2</td>
</tr>
<tr>
<td>Architectural Drawing</td>
<td>3</td>
</tr>
<tr>
<td>Teaching</td>
<td>5</td>
</tr>
<tr>
<td>Elective</td>
<td>5</td>
</tr>
<tr>
<td>Organization and Administration of Manual Arts</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>7</td>
</tr>
</tbody>
</table>

Third Term Hours

| Electives | 15 |

Notes

1. The electives must include 5 hours of English from courses II and V-IX or of speech from courses II-V and 5 hours of English
from courses X-XXXIV; 15 hours of social science; 10 hours of work from the mathematics and science group; and must meet the requirements for the student's minor. If foreign language is not elected, a second 5 hours of English from courses X-XXXIV is required.

2. Psychology IX or X may be elected in the junior or the senior year as the second 5 hours of required psychology.

3. For further details see Degree Curriculums—Introductory Statement (page 44) and General Requirements for Graduation (page 36).

3. For a major in Coaching and Athletics

Courses named in the outline except the theory courses are required

### Freshman Year

<table>
<thead>
<tr>
<th>First Term Hours</th>
<th>Second Term Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theory of Football I</td>
<td>3</td>
</tr>
<tr>
<td>First Aid to the Injured</td>
<td>2</td>
</tr>
<tr>
<td>English I</td>
<td>5</td>
</tr>
<tr>
<td>Elective</td>
<td>5</td>
</tr>
<tr>
<td>Third Term Hours</td>
<td>12</td>
</tr>
<tr>
<td>Theory of Track I</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>7</td>
</tr>
</tbody>
</table>

### Sophomore Year

<table>
<thead>
<tr>
<th>First Term Hours</th>
<th>Second Term Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theory of Football II</td>
<td>3</td>
</tr>
<tr>
<td>Psychology I</td>
<td>5</td>
</tr>
<tr>
<td>Elective</td>
<td>7</td>
</tr>
<tr>
<td>Third Term Hours</td>
<td>8</td>
</tr>
<tr>
<td>Theory of Baseball I</td>
<td>3</td>
</tr>
<tr>
<td>Education section A or section C</td>
<td>5</td>
</tr>
<tr>
<td>Elective</td>
<td>7</td>
</tr>
</tbody>
</table>

### Junior Year

<table>
<thead>
<tr>
<th>First Term Hours</th>
<th>Second Term Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theory of Football III</td>
<td>3</td>
</tr>
<tr>
<td>Education section B</td>
<td>5</td>
</tr>
<tr>
<td>Elective</td>
<td>7</td>
</tr>
<tr>
<td>Third Term Hours</td>
<td>5</td>
</tr>
<tr>
<td>Theory of Track II</td>
<td>3</td>
</tr>
<tr>
<td>Education section C or section A</td>
<td>5</td>
</tr>
<tr>
<td>Elective</td>
<td>7</td>
</tr>
</tbody>
</table>

### Senior Year

<table>
<thead>
<tr>
<th>First Term Hours</th>
<th>Second Term Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theory of Swimming</td>
<td>2</td>
</tr>
<tr>
<td>Teaching</td>
<td>8</td>
</tr>
<tr>
<td>Elective</td>
<td>7</td>
</tr>
<tr>
<td>Third Term Hours</td>
<td>9</td>
</tr>
<tr>
<td>Organization and Administration of Athletics</td>
<td>3</td>
</tr>
<tr>
<td>Theory of Baseball II</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>9</td>
</tr>
</tbody>
</table>

### Notes

1. The electives must include 5 hours of English from courses II and V-IX or of speech from courses II-V and 5 hours of English from courses X-XXXIV; 15 hours of social science; 15 hours of work from courses in the mathematics and science group; and must meet the requirements of the student's major and minor. If foreign language is not elected, a second 5 hours of English from courses X-XXXIV is required.

2. Students are required to take 5 hours of work in section A in
educational, 5 hours in section B, 5 hours in section C, and a second 5 hours in section A or section C. Work in rural education may be substituted for the whole or a part of the second 5 hours of work in section A or section C in education.

3. Psychology IX or X may be elected in the junior or the senior year as the second 5 hours of required psychology.

4. For further details see Degree Curriculums—Introductory Statement (page 44) and General Requirements for Graduation (page 36).

4. For a major in Commercial Education

1. The required courses include English I, Psychology I, Educational Psychology for High School Teachers, Current Problems in Vocational Education, Commercial and Industrial Geography, Illustrative Teaching, and in the junior and senior years 10 hours of Teaching. Also one term of penmanship and two terms of typewriting. Physical training is required each fall, winter, and spring term until six terms of credit have been secured.

2. The electives must include 5 hours of English from courses II and V-IX or of speech from courses II-V and 5 hours of English from courses X-XXXIV; 15 hours of social science; 15 hours of work from the mathematics and science group; and must meet the requirements for the student's major and minor. If foreign language is not elected, a second 5 hours of English from courses X-XXXIV is required. The electives must also include 5 hours of work in section A in education, 5 hours in section C, and a second 5 hours in section A or section C. Work in rural education or The Teaching of Commercial Subjects may be substituted for the second 5 hours in section A or section C in education.

3. The suggestive outline for the degree of bachelor of arts in education (page 46) may be followed except that foreign language may be omitted.

4. For further details see Degree Curriculums—Introductory Statement (page 44) and General Requirements for Graduation (page 36).

5. For a major in Agriculture

1. The required courses include English I, Psychology I, Illustrative Teaching, and in the junior and senior years 10 hours of Teaching. Physical training is required each fall, winter, and spring term until six terms of credit have been secured.

2. The electives must include 5 hours of Psychology from courses VI-X; 5 hours of English from courses II and V-IX or of speech from courses II-V and 5 hours of English from courses X-XXXIV; 15 hours of social science; and must meet the requirements for the student's major and minor. If foreign language is not elected, a second 5 hours of English from courses X-XXXIV is required. The electives must also include 5 hours of work in section A in education, 5 hours in section B, 5 hours in section C, and a second 5 hours in section A or section C. Work in rural education or in Methods in Agriculture may be substituted for the second 5 hours in section A or section C in education.

3. The suggestive outline for the degree of bachelor of arts in education (page 46) may be followed except that foreign language may be omitted.

4. For further details see Degree Curriculums—Introductory Statement (page 44) and General Requirements for Graduation (page 36).

C. Degrees Conferred upon College Graduates

A bachelor's degree is conferred upon a graduate from a four-year liberal arts curriculum of a standard college upon completion of thirty-
six weeks of residence work including 45 hours of work in courses not open to freshmen, if the student has met the scholarship requirement of 1.75 grade points for each hour of required credit. If the student has earned at this institution or elsewhere 15 hours of college credit in foreign language, he receives the degree of Bachelor of Arts in Education. If he has not earned such credit, he receives the degree of Bachelor of Science in Education.
COURSES OF INSTRUCTION

The courses described in the following departmental statements may be taken as parts of majors and minors and as general electives with such exceptions and restrictions as are indicated in the description of the courses themselves or in the general regulations or in the regulations governing the several curriculums.

AGRICULTURE
(See courses in Natural Science)

ART AND MANUAL ARTS

1. Art

I. *Drawing I—2½ hours. A basic course in drawing. The theory and use of color. Drawing of type and nature forms. Figure drawing. Type problems of teachers under actual school conditions. Daily. Open to freshmen, sophomores, and juniors.

II. †Drawing II—2½ hours. A continuation of Drawing I with more emphasis upon technique. Mass drawing in light and shade. Figure drawing and illustration. Daily. Prerequisite: Drawing I or equivalent preparation. Open to freshmen, sophomores, and juniors.

III. Drawing III—2½ hours. Technical freehand drawing with emphasis upon fundamental principles of representation and upon accuracy of delineation. Reflections, shiny objects with backgrounds, costumed figures. Pen and ink drawing. Daily. Prerequisite: Drawing II or equivalent preparation. Open to sophomores, juniors, and seniors.

IV. †Primary Drawing—2½ hours. Credit only on the primary, kindergarten and nursery school, and consolidated school curriculums. Special applications of drawing and art to the kindergarten and primary grades. Daily. Prerequisite: Drawing I. Open to freshmen and sophomores.

V. Primary Industrial Arts—3 hours. Credit only on the primary and consolidated school curriculums and for those whose major is normal training high school critic work. Design and color fundamentals and their application to primary construction problems with use of clay, wood, cloth, and paper. The development of free expression in these media. Daily. Open to freshmen and sophomores.

VI. Perspective—2½ hours. Type forms, single objects, groups of objects. Linear and aerial perspective. Daily. Open to freshmen and sophomores.

VII. ‡General Design—3 hours. The principles of design and their application to decoration and construction. Color theory and harmony. Daily. Open to freshmen, sophomores, and juniors.

* A student who has credit for Still Life or Primary Drawing I and II may not have additional credit for Drawing I.
† A student who has credit for Primary Drawing may not have additional credit for Drawing II. A student who has credit for Drawing II may not have additional credit for Primary Drawing.
‡ A student who has credit for Drawing and Design, and Applied Design may not have additional credit for General Design.
VIII. **Advanced Design**—2½ hours. Daily. Prerequisite: General Design or equivalent preparation. Open to juniors and seniors.

IX. **Water Color**—2½ hours. A study of color as applied to still life groups and landscape. Technique of water color painting. Daily. Prerequisite: Drawing I and General Design or equivalent preparation. Open to freshmen and sophomores.

X. **Applied Arts I**—3 hours. Drawing and design applied to different spaces, materials, and objects. Daily. Prerequisite: General Design or equivalent preparation. Open to freshmen, sophomores, and juniors.

XI. **Applied Arts II**—2½ hours. A continuation of course X in different lines of application. Daily. Prerequisite: General Design or equivalent preparation. Open to sophomores, juniors, and seniors.

XII. **Pictorial Composition**—2½ hours. Emphasis upon the drawing of the human figure and upon composition in connection with illustration and pictorial drawing. Daily. Prerequisite: Drawing I and II or equivalent preparation. Open to juniors and seniors.

XIII. **Commercial Illustration**—2½ hours. The principles of design and lettering applied in illustration and poster making. Daily. Prerequisite: one term of drawing. Open to sophomores, juniors, and seniors.

XIV. **Interior Decoration**—2½ hours. Design and color in their application to the home. The drawing of room interiors showing arrangement of pictures, windows, draperies, and furniture. Daily. Prerequisite: one term of drawing or equivalent preparation. Open to sophomores, juniors, and seniors.

XV. **Art Appreciation**—5 hours. Appreciation of art through a study of examples of architecture, sculpture, painting, and handicraft. Open to sophomores, juniors, and seniors.

XVI. **History of Art**—5 hours. The development of art as shown in the architecture, painting, sculpture, and handicraft of different peoples. Open to juniors and seniors.

XVII. **The Teaching of Art**—5 hours. The place and purpose of art in the public school. Special problems in teaching and supervision. Courses of study. If art is the student’s major, this course may be substituted for the second 5 hours of required work in section A or section C in education. Prerequisite: Drawing I, II, and General Design. Open to juniors and seniors.

XVIII. **Elementary Drawing, Elementary Handwork, and Upper Grade Handwork** are offered for drill credit. Daily.

2. **Manual Arts**

I, II, III. **Woodwork I**—3 hours. II and III—each 2 hours. Study of tools and exercises in the use of tools. Materials of construction. Elementary cabinet work. These courses must be taken in consecutive order. I—Laboratory work, 6 periods a week. II and III—Laboratory work, each 4 periods a week. Open to freshmen, sophomores, and juniors.

IV. **Woodwork IV**—5 hours. Advanced problems in design and construction. Laboratory work, 10 periods a week. Prerequisite: Woodwork I, II, III. Open to sophomores, juniors, and seniors.

V. **Cabinet Making**—5 hours. Design and construction applied to advanced cabinet projects. Period furniture. Emphasis upon detail and finish. Laboratory work, 10 periods a week. Prerequisite: Woodwork I, II, III, IV. Open to juniors and seniors.
VI. Wood Turning—2 hours. The woodturning lathe. Instruction in the various methods of turning. Laboratory work, 4 periods a week. Open to freshmen and sophomores.


VIII, IX. Sheet Metal Work I and II—each 2½ hours. The design and construction of articles in tin plate, brass, copper, and galvanized iron. The common processes of tin smithing. Construction of articles in strap iron and heavy sheet iron. Daily. Course I or equivalent preparation is a prerequisite for course II. Course I is open to freshmen and sophomores. Course II is open to sophomores, juniors, and seniors.

X. Automobile Mechanics I—5 hours. The general care and repair of the automobile. Operating the car; lubrication and cooling; care and adjustment of brakes, steering gear, ignition system, and carburetor. Laboratory work, 10 periods a week. Open to sophomores, juniors, and seniors.

XI. Automobile Mechanics II—5 hours. Intensive study of automobile engines and electrical equipment, with laboratory practice in adjustments, repairs, and replacements. Laboratory work, 10 periods a week. Prerequisite: Automobile Mechanics I. Open to sophomores, juniors, and seniors.

XII, XIII, XIV. Mechanical Drawing I—2 hours. II and III—each 3 hours. Instruction in the use of drawing instruments, working drawings, blue printing, lettering, tracing, orthographic projections, isometric drawing, machine drawing. These courses must be taken in consecutive order. I—Laboratory work, 4 periods a week. II and III—Laboratory work, each 6 periods a week. Open to freshmen, sophomores, and juniors.

XV. Architectural Drawing—3 hours. The essentials of architectural drawing. Laboratory work, 6 periods a week. Prerequisite: Mechanical Drawing I, II, III. Open to juniors and seniors.

XVI. Industrial Arts Design—2½ hours. No credit for those who earned credit in Woodwork III before June 1, 1929. The general principles of constructive and decorative design with emphasis upon constructions in wood and metal. Period styles in furniture. Daily. Open to freshmen, sophomores, and juniors.

XVII. Home Mechanics—3 hours. Students work out courses in home mechanics, analyze problems for instructive purposes, work out original projects, and prepare individual instruction sheets and other instructional material. Daily. Open to juniors and seniors.

XVIII. Organization and Administration of Manual Arts—3 hours. Manual arts in various types of schools. Work for different grades. Teaching material, courses of study, class organization for individual and group work. Prerequisite: Woodwork I and II, and Mechanical Drawing I and II. Open to sophomores, juniors, and seniors.

XIX. The Planning and Equipment of the School Shop—2 hours. Plans for buildings and rooms. Purchase and arrangement of equipment. Suitable equipment for special conditions. The cost of equipment, supplies, and maintenance. Open to juniors and seniors.

XX. The Teaching of Manual Arts—5 hours. The aims and purposes of manual arts in the school. Analysis and presentation of constructive work lessons. The relation of manual arts to other subjects. If manual arts is the student's major, this course may be substituted
for the second 5 hours of required work in section A or section C in education. Prerequisite: Psychology I, Woodwork I and II, and Mechanical Drawing I and II. Open to juniors and seniors.

**BIOLOGY AND BOTANY**
(See courses in Natural Science)

**CHEMISTRY**
(See courses in Physics and Chemistry)

**COACHING AND ATHLETICS**
(See courses in Physical Education)

**COMMERCIAL EDUCATION**
(See courses in Mathematics and Commercial Education)

**DEBATING**
(See courses in English)

**DOMESTIC SCIENCE**
(See courses in Home Economics)

**DRAMATIC ART**
(See courses in English)

**ECONOMICS**
(See courses in Social Science)

**EDUCATION AND RURAL EDUCATION**

1. **Psychology**

Ten hours of work from courses in education open only to juniors and seniors, though not included in the psychology major line, may be counted toward a major in psychology.

I. **Psychology I**—5 hours. A general course in psychology with emphasis upon the principles and basic facts essential to an understanding of mental life. A special study of the mental processes involved in the acquisition of knowledge and in the formation of habits. Open to freshmen and sophomores.

II. **Child Psychology**—5 hours. The physical and mental growth of the child. A study of instincts in relation to the problems of teaching. Prerequisite: Psychology I. Open to freshmen and sophomores.

III. **Child Development**—5 hours. A consideration of the mental, emotional, and social development of the child with attention to various methods of child study. Special problems of child training. Observation of children in the nursery school. Prerequisite: Psychology I. Open to freshmen and sophomores.

IV. **Educational Psychology**—5 hours. No credit for those who earned credit in Elementary Tests and Measurements. The nature, causes, and measurement of the individual differences found in the elementary school. Prerequisite: Psychology I. Open to freshmen and sophomores.

V. **Social Development**—5 hours. Social tendencies, interests, and training of children from infancy to the adult period. Particular at-
COURSES OF INSTRUCTION

VI. Psychology of Adolescence—5 hours. An intensive study of the changing attitudes and concepts of youths from eleven to eighteen years of age. A study of the mental and physical influences that retard or accelerate mental growth. The influence of the church, the school, the state, and the home. Prerequisite: Psychology I. Open to sophomores, juniors, and seniors on degree curriculums and to sophomores on the art, manual arts, and commercial teacher curriculums.

VII. Genetic Psychology—5 hours. An intensive study of the origin and development of consciousness in the child and in the race. Lectures, topics for reports, observation, and class discussions. Prerequisite: Psychology I. Open to sophomores, juniors, and seniors.

VIII. Experimental Psychology—5 hours. Typical experiments in each of the approved lines of psychological investigation. The nature and use of modern psychological apparatus. Methods of experimentation and their significance for the public school teacher. The relation of experimental psychology to other aspects of psychology. Prerequisite: Psychology I. Open to sophomores, juniors, and seniors.

IX. Social Psychology—5 hours. The thinking and behavior of people as affected by their association with one another. A course in group psychology. Prerequisite: Psychology I. Open to juniors and seniors.

X. Educational Psychology for High School Teachers—5 hours. The psychological principles which determine the scope and character of education in the high school. Application of these principles to typical problems of organization and teaching. Characteristic developments in the teaching of high school subjects. Prerequisite: Psychology I. Open to juniors and seniors.

XI. Personality Development of Children—3 hours. Emphasis is placed upon the social factors which affect a child's personality. Open to juniors and seniors.

XII. Mental Hygiene—2 hours. The behavior problems of young children. Open to juniors and seniors.

2. Education

Ten hours of work from courses in psychology open only to juniors and seniors, though not included in the education major line, may be counted toward a major in education.

A major in primary education may include Primary Drawing, Primary Illustrative Teaching, Primary Teaching, and courses in education.

A major in kindergarten and nursery school education must include courses I, III, XI, and XII in psychology, courses II, IV, IX, XII-XVI in education, courses III, VI-IX in teaching, and course XV in physical education.

Section A—Methods and Measurement

I. Elementary School Methods—5 hours. Methods of teaching the elementary school subjects. The basic principles which underlie the various methods of instruction. Prerequisite: Psychology I. Open to freshmen and sophomores.

II. Primary Methods in Reading and Mathematics—5 hours. Credit only on the primary and the kindergarten and nursery school curriculums and for those whose major is primary education, kindergarten and nursery school education, or normal training high school critic work.
Principles and aims underlying the teaching of primary reading and mathematics. Special attention to methods of teaching these subjects. Open to freshmen and sophomores.

III. **Primary Methods in Language and Literature**—5 hours. Credit only on the primary curriculum and for those whose major is primary education or normal training high school critic work. Principles and methods involved in the teaching of language, writing, and spelling in the primary grades and the relation of these to other subjects in the curriculum. Special work in the selection and presentation of stories and poems suitable for primary grades. Open to freshmen and sophomores.

IV. **Kindergarten and Nursery School Education**—3 hours. Credit only on the kindergarten and nursery school curriculum. Principles and methods of kindergarten and nursery school teaching. Prerequisite: 10 hours of psychology and education. Open to sophomores, juniors, and seniors.

V. **Elementary Tests and Measurements**—5 hours. No credit for those who have earned credit in Educational Psychology (Psychology IV). A study of some of the leading tests in each of the elementary school subjects and in mental ability, of methods of scoring and administering tests, and of the diagnosis of difficulties. Prerequisite: Psychology I. Open to freshmen and sophomores.

VI. **Teaching Techniques**—2 hours. A consideration of the most recent developments in the field of educational methods in the elementary school. Offered only in spring and summer terms. Prerequisite: Psychology I. Open to sophomores, juniors, and seniors.

VII. **Elementary School Supervision**—5 hours. The problems of method in the elementary school from the standpoint of the supervisor. A course primarily for elementary school principals, supervisors, and superintendents. Prerequisite: Psychology I. Open to juniors and seniors.

VIII. **Mental Tests**—2 hours. An intensive study of the Stanford revision of the Binet-Simon tests. The leading group tests of mental ability in use in the elementary grades and in the high school. Methods of administering and scoring the tests, and of tabulating and interpreting the results. Prerequisite: Psychology I. Open to juniors and seniors.

IX. **Mental Tests and Measurements for Young Children**—5 hours. An examination of the mental development of children with tests for the determination of the development of children below six years of age. Open to juniors and seniors.

X. **Educational Tests and Measurements for High School Teachers**—5 hours. A study of some of the leading tests in the secondary school field together with methods of administering and scoring tests and of tabulating and graphing results. Each student has opportunity to study tests in his major line of work. Prerequisite: Psychology I. Open to juniors and seniors.

XI. **Literature for Primary Children**—5 hours. Credit only for those whose major is primary or kindergarten and nursery school education. An extensive study of the various types and sources of children's literature. The technique of the story teller is considered and illustrated in the telling of many stories. Open to juniors and seniors.

XII. **Current Literature of Child Development**—3 hours. Directed readings in the current literature of child development. A study of the results of research. Open to juniors and seniors.
XIII. Parent Education—5 hours. Problems of the child in relation to home environment. Open to juniors and seniors.

Section B—History and Philosophy of Education

XIV. History of Kindergarten and Nursery School Education—3 hours. Credit only on the kindergarten and nursery school curriculum. The history of infant schools, of Montessori nursery schools, and of Froebellian and modern kindergartens. Prerequisite: 10 hours of psychology and education. Open to sophomores, juniors, and seniors.

XV. History of Primary Education—3 hours. The growth of primary education for the past three hundred years. Prerequisite: Psychology I. Open to sophomores, juniors, and seniors.

XVI. Primary Educational Classics—2 hours. The works of Comenius, Rousseau, Pestalozzi, Herbart, Froebel, and later writers. Prerequisite: Psychology I. Open to sophomores, juniors, and seniors.

XVII. Educational Classics—5 hours. Selections from educational literature. The growth of doctrines and principles. The rise of ideals with their relation to other forms of social activity. The conditions under which various classics were written. Prerequisite: Psychology I. Open to juniors and seniors.


XIX. History of American Education—5 hours. The origin and growth of education in the United States. The development of our various schools and their adaptation to American ideals. Prerequisite: Psychology I. Open to juniors and seniors.

XX. History and Principles of Secondary Education—5 hours. The historical developments affecting secondary education. Major emphasis on the development of an adequate philosophy of the educative process as reflected in the modern secondary school. Prerequisite: Psychology I. Open to juniors and seniors.

XXI. Current Problems in Vocational Education—5 hours. Credit only for students whose major is coaching and athletics, home economics, manual arts, commercial education, or agriculture. The history, principles, and organization of vocational education. Prerequisite: Psychology I. Open to juniors and seniors.

XXII. Philosophy of Education—5 hours. The fundamental ideas in education and the relation of education to the natural, mental, and social sciences. Prerequisite: Psychology I. Open to juniors and seniors.

XXIII. Logic—3 hours. The fundamentals of logic, conception, judgment, reasoning, forms and laws of syllogisms, fallacies, and hypotheses. Practical application to teaching. (This course may not be used in satisfying the requirement in education for state certificates.) Prerequisite: Psychology I. Open to juniors and seniors.

XXIV. Ethics—2 hours. Theories of conduct. The basis of rights and duties. (This course may not be used in satisfying the requirement in education for state certificates.) Prerequisite: Psychology I. Open to juniors and seniors.

Section C—Organization and Administration

XXV. Elementary Schoolroom Procedure—5 hours. No credit for those who have earned credit in Management and Measurements or
School Organization and Control. The problems of elementary school management. Open to freshmen and sophomores.

XXVI. Problems of Grade Teachers—3 hours. Child accounting, classification and progress of pupils, relation of the curriculum to individual differences, classroom practices, and improvement programs. Offered only during summer terms. Prerequisite: Psychology I. Open to freshmen, sophomores, and juniors.

XXVII. Elementary School Curriculum—3 hours. The purpose, origin, construction, and function of the elementary school curriculum. Offered only during summer terms. Prerequisite: Psychology I. Open to sophomores, juniors, and seniors.

XXVIII. The Junior High School—3 hours. The problems involved in junior high school organization and the advantages and disadvantages of such organization. Offered only in spring and summer terms. Prerequisite: Psychology I. Open to sophomores, juniors, and seniors.

XXIX. The Primary Curriculum—5 hours. Credit only for those whose major is primary or kindergarten and nursery school education. The purpose, origin, construction, and function of the primary school curriculum. Open to juniors and seniors.

XXX. Problems of Superintendents and Principals—2 hours. A specific study of the legal principles involved in the organization and administration of a public school system. Standards and plans for school buildings, school publicity, school bonds, present methods of cost accounting, sources of school revenues, and distribution of funds. School surveys. Offered only in summer terms. Prerequisite: Psychology I. Open to juniors and seniors.

XXXI. The High School—5 hours. The courses of study, provision for individual differences, management, organization, and administration of secondary schools. Prerequisite: Psychology I. Open to juniors and seniors.

XXXII. School Administration—5 hours. The relation of the administrator to the community and the school. Buildings, equipment, promotions, records, reports, course of study, sanitation, transportation, and important school legislation. Open to juniors and seniors.

XXXIII. Problems of Student Advisers—3 hours. A study of the special problems that arise during adolescence. Suggestions to teachers and advisers for meeting these problems. Offered only in the spring and summer terms. Open to women of junior or senior classification.

3. Rural Education

Twelve hours of work in education may be counted toward a major in rural education.

A major in normal training high school critic work must include Primary Industrial Arts, Elements of Music, courses IV and V in rural education, 5 hours of Primary Methods, and 5 hours of Primary Teaching. The major may also include Rural Sociology and any courses in education or rural education.

Section A—For Teachers of Rural Schools

I. **Didactics I—5 hours. Organization, classification, and management of a one-teacher rural school. The weekly program and how to use it. The school house, grounds, and equipment. Discipline, records.

** Only 5 hours of work in courses I and II may be counted toward graduation from any curriculum.
and reports. The teacher’s relation to the community. Open to freshmen and sophomores.

II. **Rural School Management—5 hours.** Types, organization, and administration of rural schools. The qualities of leadership essential for a rural teacher. The rural school as a community center. Open to freshmen and sophomores.

III. **Rural School Methods—5 hours.** Methods of teaching the common branches under rural school conditions. Open to freshmen and sophomores.

**Section B—For Normal Training High School Critics**

IV. **Special Methods in the Common Branches—5 hours.** A methods course for critics in normal training high schools. Offered only in winter and summer terms. Prerequisite: 10 hours of psychology. Open to juniors and seniors.

V. **Normal Training Supervision—5 hours.** A study of observation and practice teaching in rural schools associated with the normal training high schools. Organization and supervision of practice teaching in grade rooms. Library and equipment for a normal training department. Offered only in the summer term. Open to juniors and seniors.

**Section C—For Teachers and Superintendents in Consolidated Schools**

VI. **The Consolidated School and Country Life—5 hours.** The consolidated school and the community it serves. The noon-hour problem and the grade teacher’s relation to it. The consolidated school, its development and place in educational history. Open to sophomores, juniors, and seniors.

VII. **Consolidated School Administration—5 hours.** The duties of the superintendent of a consolidated school and of his teachers. Buildings, transportation, records, and reports. Noon-hour problems. A course for teachers, principals, and superintendents in consolidated schools. Open to juniors and seniors.

VIII. **Advanced Consolidated School Problems—3 hours.** Rural community surveys, school finance, and community recreation. Offered only in summer terms. Prerequisite: Consolidated School Administration. Experienced superintendents who have not had course VII may be admitted by the department to course VIII, but they may not thereafter take course VII for credit. Open to juniors and seniors.

IX. **The Rural High School—2 hours.** The adaptation of the high school course of study to meet the need of country boys and girls. Vocational guidance and training. Offered only in summer terms. Open to juniors and seniors.

**Section D—Training in Teaching**

X. **Rural Observation and Teaching—2½ hours.** Credit only on the rural teacher and the consolidated school curriculums. Observation of illustrative lessons followed by discussion and plan writing. Teaching in the demonstration rural schools under critic supervision. Three periods on each of two afternoons a week. Open to freshmen and sophomores.

**ENGLISH AND SPEECH**

English I, or in case of release from English I five hours from courses II-IX in composition, is required for graduation from any curriculum. An additional five hours from courses II and V-IX in com-

**Only 5 hours of work in courses I and II may be counted toward graduation from any curriculum.**
position or from courses II-V in speech is required for graduation from a degree curriculum.

1. English

English I, unless release has been granted from this course, is prerequisite to all other courses in English.

It is desirable that the minimum of a major in English consist of 40 hours of work from the following courses in English: (1) 10 hours from I-IX; (2) 5 hours from XVI, XVII, XXVII; (3) XVIII, XIX, XX, XXI; (4) 5 hours from XXII, XXVIII, XXIX; (5) XXXIV.

A. Composition


Freshmen who show on the basis of preliminary tests unusual ability in English composition may be excused by the head of the department from English I as a freshman requirement and as a prerequisite of other courses.

English O—No credit. Freshmen not properly prepared for English I are registered for English O. During the first three weeks of the term students registered for English O may with the consent of the head of the department be advanced to English I without loss of credit in English I. All other students registered for English O must earn a passing grade in this course before registering for English I.

II. Description and Narration—5 hours. Practice in writing description and the simpler forms of narration. Open to freshmen, sophomores, and juniors.


IV. Copy Reading and Copy Editing—3 hours. Preparation of newspaper copy for publication. Newspaper style and make-up. Prerequisite: News Gathering and News Writing. Open to freshmen, sophomores, and juniors.

V. Editorial Writing—3 hours. Criticism and writing of various forms of newspaper editorials. Open to sophomores, juniors, and seniors.

VI. Feature Writing—3 hours. Practice in writing feature stories for publication. Open to sophomores, juniors, and seniors.

VII. Advanced Exposition—5 hours. Study of representative specimens of exposition. Application of principles and methods in original work. Open to sophomores, juniors, and seniors.

VIII. Advanced Story Writing—5 hours. The technique of the short story. Writing of short stories on subjects suited to the individual student. Prerequisite: Description and Narration. Open to juniors and seniors.

IX. The Essay—5 hours. The development of the essay. Practice in the writing of original essays. Open to juniors and seniors.

B. Language and Literature

X. Elements of Literature—5 hours. Explanation and illustration of the characteristics of the chief kinds of literature. Recommended for those who take only one term of English literature. Open to freshmen and sophomores.

XI. American Prose Writers—2 hours. Important prose writers from 1825 to 1875. Open to freshmen and sophomores.
XII. Chief American Poets—3 hours. Poets from 1825 to 1875. Open to freshmen and sophomores.

XIII. Recent American Prose Writers—3 hours. Prominent prose writers since 1875. Open to sophomores, juniors, and seniors.

XIV. Recent American Poets—2 hours. Prominent writers of verse since 1875. Open to sophomores, juniors, and seniors.

XV. Old English—5 hours. The grammar and pronunciation of Old English. Exercises in translation. Selections from prose and poetry. Open to sophomores, juniors, and seniors.

XVI. History of the English Language—2 hours. A survey of the forms of English from its beginning to the present. Open to sophomores, juniors, and seniors.

XVII. Chaucer—3 hours. Introduction to the study of Chaucer with reading of selections from the Canterbury Tales. Open to juniors and seniors.

XVIII. Shakespeare—5 hours. Intensive study of selected plays and sonnets. Rapid reading of other poems and plays. Open to sophomores, juniors, and seniors.

XIX. Milton—2 hours. Open to sophomores, juniors, and seniors.

XX. The Age of Classicism—3 hours. English literature from the Restoration to the death of Swift (1660-1745). Open to sophomores, juniors, and seniors.

XXI. The English Romantic Movement—5 hours. The reaction against Classicism between 1745 and 1825. The novel of the period is not considered in this course. Open to sophomores, juniors, and seniors.

XXII. History of the English Novel—5 hours. Narrative fiction from the late medieval prose romancers to the beginning of the twentieth century. Reading of representative novels. Open to sophomores, juniors, and seniors.

XXIII. American Drama—2 hours. European influences. Representative American dramatists. Open to sophomores, juniors, and seniors.

XXIV. Modern European Drama—3 hours. Modern tendencies in drama. Plays of noted European dramatists. Open to sophomores, juniors, and seniors.

XXV. Recent English Poets—2 hours. Noted English poets since 1875. Open to sophomores, juniors, and seniors.

XXVI. Recent English Prose Writers—3 hours. Noted English prose writers since 1875. Open to sophomores, juniors, and seniors.

XXVII. Development of the English Drama—5 hours. English drama from its beginning till the time of Shakespeare. Open to juniors and seniors.

XXVIII. Victorian Prose—2 or 3 hours. A study of important English prose writers from 1825 to 1875. Reading of representative works of these authors. The novel of the period is not considered in this course. Open to juniors and seniors.

XXIX. Victorian Poetry—3 hours. No credit for those who have credit for Tennyson and Browning. A study of the chief British poets from 1825 to 1875. Open to juniors and seniors.

XXX. Literary Criticism—5 hours. The main principles of literary criticism. Illustrations of these principles in literature. Open to juniors and seniors.
XXXI. The Technique of Poetry—5 hours. An advanced study of English poetry with practice in writing original verse in various forms. Open to juniors and seniors.

XXXII. Methods in Language and Grammar—2 hours. Problems in the teaching of oral and written expression in the intermediate and upper grades. Open to freshmen, sophomores, and juniors.

XXXIII. Methods in Reading and Literature—3 hours. Problems in the teaching of reading and literature in the intermediate and upper grades with special attention to choice of material for this work. Open to freshmen, sophomores, and juniors.

XXXIV. The Teaching of English—5 hours. The rise of the study of English to its present position in secondary schools and colleges. Problems in the teaching of English. If English is the student's major this course may be substituted for the second 5 hours of required work in section A or section C in education. Open to juniors and seniors.

2. Speech

English I, unless release has been granted from this course, is prerequisite to all courses in speech.

It is desirable that the minimum of a major in speech consist of the following courses in speech: I, II, III, IV, VI, VII, VIII, X, XIV.

I. Public Speaking—5 hours. The psychology of effective speaking, the various forms of public address, platform deportment, voice building, and the elimination of vocal defects. Practice in the presentation of original speeches. Open to freshmen, sophomores, and juniors.

II. Extempore Speech—5 hours. Study and analysis of current issues with practice in oral discussion. Prerequisite: Public Speaking. Open to sophomores, juniors, and seniors.

III. Theory of Debating—2 hours. Briefing, note taking, card-indexing, evaluation of evidence, principles of rebuttal, strategy of debates, platform deportment, and duties of different speakers. This course should accompany Debating. Open to sophomores, juniors, and seniors.

IV. Debating—3 hours. An intensive study of a debate question with forensic practice. With change of the debate question this course may be repeated once for an additional 3 hours of credit. Required of students who participate in intercollegiate debate. Open to sophomores, juniors, and seniors.

V. Advanced Public Speaking—5 hours. The history, literature, and technique of the oration, with special attention to the college oration. Various forms of public address other than debating. Prerequisite: Public Speaking. Open to juniors and seniors.

VI. Oral Interpretation I—5 hours. The vocal interpretation of literature. Open to freshmen, sophomores, and juniors.

VII. Oral Interpretation II—5 hours. A continuation of course VI. Prerequisite: Oral Interpretation I or equivalent preparation. Open to freshmen, sophomores, and juniors.

VIII. Play Production I—5 hours. The interpretation of characters and types in a comedy of Shakespeare. Each student is required to act in this comedy and in a modern one-act play. Public performance of one-act plays. Lectures on make-up. Prerequisite: Oral Interpretation II or equivalent preparation. Open to sophomores, juniors, and seniors.

IX. Play Production II—5 hours. The interpretation of a tragedy of Shakespeare. Each student is required to act in this tragedy and in a modern one-act tragedy. Public performance of one-act plays. Lec-
tures on the directing of plays. Prerequisite: Oral Interpretation II or equivalent preparation. Open to juniors and seniors.

X. Pedagogy of Interpretation—5 hours. The principles underlying the teaching of interpretation with observation and practice. Declamatory work and play production in the high school. Each student will superintend the production of a standard one-act play. Open to juniors and seniors.

XI. History of Design in the Theater—5 hours. The development of scenic and costume design in the theater from the Greek period to the present. Theory and practice of design. Recitations, 3 periods a week; laboratory work, 4 periods a week. Open to juniors and seniors.

XII. Technique of Scene Construction—3 hours. Theory of scene construction with practice in building scenes. Recitations, 2 periods a week; laboratory work, 2 periods a week. Open to juniors and seniors.

XIII. Stage Lighting—2 hours. Open to juniors and seniors.

XIV. Speech Correction—5 hours. Study of the nature of speech defects with training in diagnosis of individual cases. Methods of dealing with the various kinds of defects. Prerequisite: Psychology I. Open to sophomores, juniors, and seniors.

FRENCH
(See courses in Romance Languages)

GERMAN
(See courses in Latin, Greek, and German)

GOVERNMENT
(See courses in Social Science)

HISTORY
(See courses in Social Science)

HOME ECONOMICS

A. Clothing

I. Clothing I—4 hours. The principles of garment construction, the selection of materials used, design, method of construction, and problems involved in the construction of clothing. Recitations, 2 periods a week; laboratory work, 4 periods a week. Open to freshmen and sophomores.

II. Clothing II—4 hours. Garment construction continued. The elements of clothing design. Recitations, 2 periods a week; laboratory work, 4 periods a week. Prerequisite: Clothing I or equivalent preparation. Open to freshmen and sophomores.

III. Textiles—2 hours. The chief textile fibers and the standard materials used in clothing and in house furnishings. Recitation, 1 period a week; laboratory work, 2 periods a week. Open to freshmen and sophomores.

IV. Costume Design—3 hours. Fundamentals of design and color as they relate to costumes and accessories. Recitation, 1 period a week; laboratory work, 4 periods a week. Prerequisite: Applied Arts I. Open to sophomores, juniors, and seniors.

V. Clothing Appreciation and Economics—5 hours. The application of line, color harmony, and texture to costumes of different individuals and purposes. Clothing budgets and clothing hygiene. Recitations, 3 periods a week; laboratory work, 4 periods a week. Prerequisite: Costume Design. Open to juniors and seniors.
B. Foods

VI. Food Preparation I—5 hours. An experimental study of the general principles of cookery and of the nutritive facts involved. Recitations, 3 periods a week; laboratory work, 4 periods a week. Inorganic Chemistry B or equivalent preparation must precede or accompany this course. Open to freshmen and sophomores.

VII. Food Preparation II—5 hours. A continuation of Food Preparation I, including meal service. Recitations, 3 periods a week; laboratory work, 4 periods a week. Prerequisite: Inorganic Chemistry B and Food Preparation I or equivalent preparation. Open to freshmen and sophomores.

VIII. Meal Planning and Food Marketing—5 hours. The economic selection and nutritive value of foods. Various types of meals and table service. Actual purchase of foods served. Recitations, 3 periods a week; laboratory work, 4 periods a week. Prerequisite: Food Preparation I and II. Open to juniors and seniors.

IX. Food and Dietetics—3 hours. The principles of nutrition. The selection of food for normal individuals. Recitations, 2 periods a week; laboratory work, 2 periods a week. Prerequisite: Food Preparation I and II. Chemistry of Food and Nutrition must precede or accompany this course. Open to juniors and seniors.

X. Experimental Cookery—3 hours. Special problems in standardizing methods of food preparation. Individual problems. Recitation, 1 period a week; laboratory work, 4 periods a week. Prerequisite: Food Preparation I and II. Open to juniors and seniors.

XI. The School Lunch—2½ hours. Credit only on the one-year rural teacher curriculum. Special problems pertaining to the management, selection, and organization of the one hot dish lunch in schools. Recitations, 2 periods a week; laboratory work, 2 periods a week. Open to freshmen and sophomores.

XII. Nutrition—3 hours. No credit on a home economics curriculum or for those who have credit in Food Preparation I and II. A general course giving the elementary principles of nutrition. Selection of food in relation to food values and costs. Open to freshmen, sophomores, and juniors.

XIII. Nutrition for Children—3 hours. Students whose major is home economics may not secure credit for this course after completing the freshman year. Open to freshmen and sophomores.

C. Home Administration

XIV. House Planning—3 hours. The history of domestic architecture. Design, construction, and choice of dwelling. The drawing of floor plans for homes costing not over $6000. Prerequisite: General Design. Open to sophomores, juniors, and seniors.


XVI. Home and Community Hygiene—3 hours. Public health problems and home sanitation. Open to freshmen and sophomores.

XVII. Home Nursing—2 hours. Care of sick under home conditions. First aid and emergency work. This course must be preceded or accompanied by Bacteriology. Open to juniors and seniors.

XVIII. Home Management—5 hours. Buying, household accounting, planning and serving meals. Recitations, 3 periods a week; labora-
tory work, 4 periods a week. Prerequisite: Food Preparation I and II. This course must be preceded or accompanied by Meal Planning and Food Marketing. Open to juniors and seniors.

XIX. Child Care—2 hours. Child care by nation, state, and home. Problems involved in the care of infants and older children. Open to sophomores, juniors, and seniors.

XX. Methods in Home Economics—3 hours. Adaptation of subject matter and methods of presentation to different types of schools and to community needs. If home economics is the student's major, this course may be substituted for a part of the second 5 hours of required work in section A or section C in education. Open to juniors and seniors.

ITALIAN
(See courses in Romance Languages)

KINDERGARTEN
(See courses in Education and in Teaching)

LATIN, GREEK, AND GERMAN

1. Latin

A major in Latin may not include courses I-VIII. A minor in Latin may include courses IV-VIII.

Ten hours of Greek from courses III and IV, though not included in the Latin major line, may be counted toward a major in Latin.

I. *Elementary Latin I—5 hours. Pronunciation. Declension of nouns, adjectives, and personal pronouns. The indicative and infinitive of all conjugations. Fundamental uses of the cases. Reading of easy Latin stories. Open to freshmen, sophomores, and juniors.


V. Cicero's Orations II—5 hours. Selected orations. Writing of Latin. Roman government. A continuation of course IV. Open to freshmen, sophomores, and juniors.

VI. Ovid—5 hours. Easy stories from the Metamorphoses. Study of classical myths. Review of Latin grammar. Scansion and reading of the dactylic hexameter. Writing of Latin. Prerequisite: two years of high school Latin or Elementary Latin III or equivalent preparation. Open to freshmen, sophomores, and juniors.

VII. Vergil I—5 hours. Selections from the Aeneid. Scansion and reading of the dactylic hexameter. Writing of Latin and comparison.

* The year's work must be completed if any of the credit is used in meeting the requirements for graduation.
of poetic and prose constructions. The mythology of the Aeneid. Open to freshmen, sophomores, and juniors.

VIII. Vergil II—5 hours. A continuation of course VII. Open to freshmen, sophomores, and juniors.

IX. Cicero's Cato Major and Latin Composition—5 hours. Translation with special study of the process of understanding and translating Latin. Review of Latin grammar. Composition exercises based on the Cato Major and involving systematic drill in syntax. Prerequisite: four years of high school Latin or other preparation approved by the head of the department. Open to freshmen, sophomores, and juniors.

X. Pliny's Letters—5 hours. Interpretation of selected letters illustrating Roman life under the early empire. Writing of Latin. Open to freshmen, sophomores, and juniors.

XI. Epodes and Odes of Horace—5 hours. The life of Horace from the original sources. The epodes and odes as related to Greek poetry and to the Augustan Age. Their cosmopolitan character. The lyric meters of Horace. Open to freshmen, sophomores, and juniors.

XII. Latin Composition—5 hours. Written and oral exercises in the use of the more difficult Latin constructions. Practice in translating into Latin continuous discourse based on a Latin author. Translation of selections from English literature. Prerequisite: Latin IX, X, XI. Open to sophomores, juniors, and seniors.

XIII. Tibullus—3 hours. The development of Greek and Roman elegy. Selections from the elegies of Tibullus. Prerequisite: Latin IX, X, XI. Open to sophomores, juniors, and seniors.

XIV. Vergil's Bucolics and Georgics—3 hours. Pastoral and didactic poetry in Roman literature. Reading of the Eclogues and of selections from the Georgics. Prerequisite: Latin IX, X, XI. Open to sophomores, juniors, and seniors.


XVI. Historical Latin Grammar I—3 hours. Sounds and inflections: the development of the regular declensions and conjugations and the phonetic principles involved. This course must be preceded or accompanied by Greek I. Prerequisite: Latin IX, X, XI. Open to juniors and seniors.

XVII. Historical Latin Grammar II—3 hours. Syntax: the development of the commoner constructions. Prerequisite: Latin IX, X, XI, XVI. Open to juniors and seniors.

XVIII. The Teaching of Latin—5 hours. Latin instruction in the secondary school: aims, subject matter, the teaching process. Pedagogical exercises. Latin tests, Latin textbooks, and other subsidiary topics. If Latin is the student's major, this course may be substituted for the second five hours of required work in section A or section C in education. Prerequisite: Latin IX, X, XI. Open to juniors and seniors.

XIX. Teachers' Course in Caesar—5 hours. Reading and interpretation of a large part of the Gallic War with attention to the historical background, to Roman military antiquities, and to the special problems involved in the teaching of Caesar. Prerequisite: Latin IX, X, XI. Open to juniors and seniors.
2. Greek


II. *Xenophon—5 hours. Selections from the Anabasis. Writing of Greek. Open to sophomores, juniors, and seniors.

III. Homer—5 hours. Selections from the Iliad. The Greek element in English. Open to sophomores, juniors, and seniors.

IV. Homer, Greek Drama, Greek Prose Writers—3 to 10 hours. Open to juniors and seniors.

3. German

I. *German I—5 hours. Pronunciation, conversation, grammar, and easy reading for beginners. Open to freshmen, sophomores, and juniors.

II. *German II—5 hours. Conversation, grammar, reading, and composition. Open to freshmen, sophomores, and juniors.

III. Short Stories—5 hours. Reading with conversation and composition based on the text. Prerequisite: one year of high school German or equivalent preparation. Open to freshmen, sophomores, and juniors.

IV. †Historical Prose—5 hours. Selections from standard works on German history. Exercises in composition. Prerequisite: two years of high school German or equivalent preparation. Open to sophomores, juniors, and seniors.

V. †Schiller’s Dramas—5 hours. Prerequisite: German IV or equivalent preparation. Open to sophomores, juniors, and seniors.

VI. †Drama of the Nineteenth Century—5 hours. Representative works of Heinrich von Kleist, Grillparzer, Hebbel, Ludwig, Anzengruber, and Hauptmann. Prerequisite: German IV or equivalent preparation. Open to sophomores, juniors, and seniors.

VII. †Scientific German—5 hours. Articles by eminent German scientists on subjects pertaining to chemistry, physics, biology, and other sciences. Prerequisite: German IV or equivalent preparation. Open to sophomores, juniors, and seniors.

VIII. Goethe’s Hermann und Dorothea—2 hours. Prerequisite: German IV or equivalent preparation. Open to juniors and seniors.

IX. Lyrics and Ballads—5 hours. Prerequisite: German IV or equivalent preparation. Open to juniors and seniors.

X. Composition and Advanced Grammar—3 hours. The more difficult parts of German grammar. Exercises in translating into German descriptions of German life and German institutions. Original themes. Prerequisite: German IV or equivalent preparation. Open to sophomores, juniors, and seniors.

XI. Lessing—5 hours. Prerequisite: German IV and 10 hours of work from courses V-X. Open to juniors and seniors.

XII. Goethe—5 hours. Prerequisite: German IV and 10 hours of work from courses V-X. Open to juniors and seniors.

* The year’s work must be completed if any of the credit is used in meeting the requirements for graduation.
† Open also to freshmen who have had two years of high school German or equivalent.
XIII. History of German Literature—3 hours. Prerequisite: German IV and 10 hours of work from courses V-X. Open to juniors and seniors.

XIV. The Teaching of German—2 hours. Prerequisite: German IV and 10 hours of work from courses V-X. Open to juniors and seniors.

MATHEMATICS AND COMMERCIAL EDUCATION

1. Mathematics

Advanced Mechanics, Alternating Currents, and Radio and Wireless, though not included in the mathematics major line, may be counted toward a major in mathematics.

Mathematics E.

Plane Geometry (a)—½ unit of college entrance credit. Books I and II. Fall term.

Plane Geometry (b)—½ unit of college entrance credit. Books III, IV, V. Winter term.

I. Mathematics I—5 hours. College algebra and numerical trigonometry. Open to freshmen, sophomores, and juniors.

II. Mathematics II—5 hours. Theory of trigonometry and a continuation of college algebra. Prerequisite: Mathematics I. Open to freshmen, sophomores, and juniors.

III. Mathematics III—5 hours. Analytical geometry and allied topics. Prerequisite: Mathematics II. Open to freshmen, sophomores, and juniors.

IV. Calculus I—5 hours. A general course in differential and integral calculus with applications. Prerequisite: Mathematics III. Open to sophomores, juniors, and seniors.

V. Calculus II—5 hours. A continuation of Calculus I. Open to sophomores, juniors, and seniors.

VI. Calculus III—5 hours. Taylor's theorem, series, theorem of the mean, partial differentiation surfaces, practical applications, easy differential equations. Prerequisite: Calculus II. Open to sophomores, juniors, and seniors.

VII. Principles of Elementary Mathematics—5 hours. Credit only on the kindergarten and nursery school, primary, elementary teacher, and consolidated school curriculums, and for those whose major is normal training high school critic work, and for those whose major or minor is mathematics. The mathematics of the elementary school: essential subject matter, its development, organization, and relation to the curriculum. Textbooks and supplementary material. Open to freshmen and sophomores.

VIII. The Teaching of Secondary Mathematics—5 hours. Junior and senior high school mathematics. Recent reports of national and international surveys. If mathematics is the student's major this course may be substituted for the second 5 hours of required work from section A or section C in education. Prerequisite: two courses in college mathematics. Open to juniors and seniors.

IX. History of Mathematics—3 hours. The historical development of secondary mathematics. Prerequisite: Mathematics III. Open to juniors and seniors.

X. Spherical Trigonometry—2 hours. Theory of spherical trigonometry with applications involving both plane and spherical trigonometry.
nometry. Prerequisite: Mathematics II. Open to sophomores, juniors, and seniors.


XII. Theory of Equations—5 hours. The complex number and the importance of the system of numbers based upon the imaginary unit. The analytic criterion for constructions with ruler and compasses. The proof for the impossible constructions of Euclidian Geometry. The solution of numerical equations by Newton’s and Horner’s methods. The determinants for systems of linear equations in n unknowns. Prerequisite: Calculus I. Open to juniors and seniors.

XIII. Theoretical Mechanics (a), Dynamics—3 hours. The principles of dynamics and their application largely in the field of mathematical physics. Prerequisite: Calculus I. Open to juniors and seniors.

XIV. Theoretical Mechanics (b), Applications in Astronomy—2 hours. Certain mathematical phases of astronomy: the size of stars and their probable distribution, determination of orbits, mass, density, distance. The law of gravitation. Kepler’s laws. Velocity of escape of gases. Prerequisite: Calculus I. Open to juniors and seniors.

XV. Number Systems—2 hours. Positive integers and operations with integers defined. Negative, rational and irrational, and complex numbers. Historical study of number development. Open to juniors and seniors.

XVI. Modern Algebra—5 hours. Analytical trigonometry, hyperbolic functions, vectors, and introduction to functions of a complex variable. Prerequisite: Calculus I. Open to juniors and seniors.

XVII. Modern Geometry (a), Projective Geometry—3 hours. Prerequisite: Mathematics II. Open to sophomores, juniors, and seniors.

XVIII. Modern Geometry (b), Advanced Euclidian Geometry—2 hours. Prerequisite: Mathematics II. Open to sophomores, juniors, and seniors.

XIX. Differential Equations—3 hours. The commoner differential equations of the first order and the simplest cases of linear equations with constant coefficients, with emphasis upon forms occurring in mechanics and physics. Prerequisite: Calculus II. Open to juniors and seniors.

XX. Mathematics of Finance—3 hours. The relation of interest to sinking funds, depreciation, bonds, building and loan associations, and life insurance. Open to sophomores, juniors, and seniors.


2. Commercial Education

Money and Banking, though not included in the commercial education major line, may be counted toward a major in commercial education.

Students whose major is commercial education must earn credit in one term of penmanship and in two terms of typewriting.

I. Accounting 1—5 hours. Fundamental principles of accounting. Theories of debit and credit. Practice in journalizing, posting, and in
the compiling of trial balances, balance sheets, and statements of profit and loss. Open to freshmen, sophomores, and juniors.

II. Accounting II—5 hours. Partnership and corporation accounting, with special attention to the voucher system and records. The classification of accounts including accrued items, deferred items, and reserves. Prerequisite: Accounting I. Open to freshmen, sophomores, and juniors.

III. Accounting III—5 hours. Advanced phases of partnership and corporation accounting. Departmental working sheets and statements. The interpretation of incomplete records. Exercises based mainly upon C. P. A. problems. Prerequisite: Accounting II. Open to freshmen, sophomores, and juniors.

IV. Commercial Law I—5 hours. The law governing business relations and dealings. Open to sophomores, juniors, and seniors.

V. Commercial Law II—3 hours. A continuation of Commercial Law I with special attention to legal documents and the solution of legal problems. Prerequisite: Commercial Law I. Open to juniors and seniors.

VI. Advertising—3 hours. The theory of advertising. The inception of advertising ideas and their development. The planning and preparing of advertisements. Open to sophomores, juniors, and seniors.

VII. Commercial Correspondence—5 hours. Fundamental principles of business writing, business letters, and business reports. Open to sophomores, juniors, and seniors.

VIII. Marketing—3 hours. The organization and operation of markets. The activities involved in transferring manufactured goods and agricultural products from producer to consumer. Open to juniors and seniors.


X. Business Organization—2 hours. The underlying principles of organization and management and their application in various types of business undertakings. Open to juniors and seniors.

XI. Retail Merchandising—3 hours. Economic principles of retail merchandising. Establishing a business, locating the store, financing, buying, pricing, advertising, selling, accounting, business forecasting. Open to juniors and seniors.

XII. Business Publications—1 hour. Current business magazines and new books on commercial subjects. Lectures, readings, and reports. Open to juniors and seniors.

XIII. Business Ethics—2 hours. Ideals of conduct and character in business. Open to juniors and seniors.

XIV. Methods in Junior Business Training—3 hours. Modern business functions and services. Clerical practices and office procedures on a level with the occupational opportunities available to students of high school age. Open to sophomores, juniors, and seniors.


XVI. Secretarial Training II—2 hours. The Library Bureau System of alphabetic, numeric, geographic, and automatic-numeric filing. Open to juniors and seniors.
XVII. The Teaching of Commercial Subjects—5 hours. Methods in shorthand, typewriting, office practice, accounting, and advertising. If the student's major is commercial education, this course may be substituted for the second 5 hours of required work in section A or section C in education. Prerequisite: previous training in shorthand, typewriting, and bookkeeping. Open to juniors and seniors.


XIX. Machine Accounting—1 hour. Use of accounting machine in bank and mercantile accounting. Drill in the use of machine in the four fundamental operations of arithmetic. Two periods of class work or laboratory work each week. Prerequisite: elementary bookkeeping or equivalent preparation. Open to sophomores, juniors, and seniors.

XX. *Shorthand I—5 hours. No credit for a student for whom one or more units of college entrance credit in shorthand have been accepted. The principles of the Gregg system. Typewriting (a) should be taken with this course. Open to freshmen and sophomores.

XXI. *Shorthand II—5 hours. No credit for a student for whom one or more units of college entrance credit in shorthand have been accepted. A continuation of Shorthand I with plate reading and dictation. Typewriting (b) should be taken with this course. Open to freshmen and sophomores.

XXII. Shorthand III—5 hours. Dictation, reporting, transcription of letters and lectures. Typewriting (c) should be taken with this course. Open to sophomores, juniors, and seniors.

XXIII. Penmanship (a), (b)—Drill credit.

XXIV. Typewriting (a), (b), (c)—Drill credit.

MUSIC

I. Elements of Music—2½ hours. No credit for students whose major is public school music. Introductory course in school music consisting of singing, rhythmic development, and elementary theory. Preparation for sight singing. Daily. Open to freshmen and sophomores.

II. Primary Music—2½ hours. No credit for students whose major is public school music. A continuation of Elements of Music. Songs suitable for kindergarten and primary grades. Daily. Prerequisite: Elements of Music or equivalent preparation. Open to freshmen and sophomores.


V. Music II—3 hours. Continuation of Music I. Dalcroze eurythmics simplified and adapted. Theory, ear training, dictation, elementary conducting, and sight singing. Open to freshmen and sophomores.

* Both courses must be completed if any of the credit is used in meeting requirements for graduation.
VI. Sight Singing—5 hours. Based on material for the eight grades in the various music systems. Open to freshmen and sophomores.

VII. Ear Training—3 hours. Training of the ear in rhythm, melody, and harmony. Open to sophomores, juniors, and seniors.

VIII. Music Methods I—2 hours. Methods for primary grades. Open to sophomores, juniors, and seniors.

IX. Music Methods II—3 hours. Methods for upper grades. Open to sophomores, juniors, and seniors.

X. Choral Conducting—2 hours. Practice in conducting men's glee clubs, ladies' glee clubs, choruses, assembly singing, and community singing. Problems involved in conducting. Open to sophomores, juniors, and seniors.

XI. Introductory Harmony—3 hours. Major and minor scales developed on piano keyboard and written on staffs. Intervals. Primary triads with inversions. Dominant seventh chord with inversions and resolutions. Dictation. Ear training. Open to freshmen and sophomores.


XIII. Harmony II—3 hours. A continuation of Harmony I introducing primary seventh chords and simple modulation. Open to sophomores, juniors, and seniors.

XIV. Harmony III—3 hours. A continuation of Harmony II introducing secondary sevenths, altered chords, and melodic ornamentation. Open to sophomores, juniors, and seniors.


XVI. Music Analysis—2 hours. Analysis of harmonic material used by the masters. Prerequisite: Harmony I, II, III, IV. Open to juniors and seniors.


XIX. History of Music III—2 hours. Modern music in Italy, France, Russia, Scandinavia, England, and America. Open to juniors and seniors.

XX. Music Appreciation I—3 hours. A study of musical literature, vocal and instrumental, by means of the phonograph, the piano player, the voice, and musical instruments. Open to juniors and seniors.

XXI. Music Appreciation II—3 hours. Prerequisite: Music Appreciation I. Open to juniors and seniors.

XXII. High School Music—3 hours. Material for high school music including cantatas and operettas. Courses of study in music for junior and senior high schools. Advanced conducting. A cappella singing emphasized. Prerequisite: Choral Conducting. Open to juniors and seniors.
XXIII. **Music Supervision**—1 hour. The history and scope of school music. The problems involved in supervising music. Open to juniors and seniors.

XXIV. **Counterpoint I**—2 hours. Melodic progressions, clefs, two-part counterpoint in all species. Prerequisite: Harmony I, II, III. Open to juniors and seniors.

XXV. **Counterpoint II**—2 hours. A continuation of Counterpoint I. Three-part counterpoint in all species. Originals. Prerequisite: Harmony I, II, III. Open to juniors and seniors.

XXVI. **Counterpoint III**—2 hours. A continuation of Counterpoint II. Four-part counterpoint in all species. Florid counterpoint. Originals. Prerequisite: Harmony I, II, III. Open to juniors and seniors.

XXVII. **Applied Music I, *Piano and Organ**—1 to 12 hours in each. For 1 hour of credit the student must take one or two lessons a week. This must be accompanied by not less than five hours of practice a week.

XXVIII. **Applied Music II, *Voice**—1 to 12 hours. For 1 hour of credit the student must take one or two lessons a week. This must be accompanied by not less than five hours of practice a week.

XXIX. **Drill Music**—Drill credit. A beginning course in school music. Special attention given to music in one-room rural schools. Daily.

XXX. **Normal Piano Methods**—Drill credit. Materials and methods for individual and class piano instruction of all grades with special attention to class work for children. Demonstration of methods of presentation, performance, and drill. A course for advanced piano students. Classes will not be organized for less than ten students. Two periods a week.

XXXI. **Piano Class Instruction (a)**—Drill credit. This course is planned for group instruction purposes for those who have had no previous instruction. Two periods a week.

XXXII. **Piano Class Instruction (b)**—Drill credit. This course is open to students who have had a small amount of previous instruction. One period a week.

**NATURAL SCIENCE**

1. **Biological Science**

Ten hours of agriculture other than General Agriculture, though not included in the biological science major line, may be counted toward a major in biological science.

I. **Animal Biology**—5 hours. Life processes, interrelations of animals, modes of reproduction and development, structure, classification, distribution, and descent. Recitations, 3 periods a week; laboratory work, 4 periods a week. Open to freshmen, sophomores, and juniors.

II. **Invertebrate Zoology**—5 hours. The anatomy and physiology of several type-forms in each division of invertebrate animals. Emphasis upon classification and organic evolution. Prerequisite: Animal Biology. Recitations, 3 periods a week; laboratory work, 4 periods a week. Open to freshmen, sophomores, and juniors.

* The first, second, and third hours are open to freshmen, sophomores, and juniors; the fourth, fifth, and sixth hours are open to sophomores, juniors, and seniors; and the seventh to twelfth hours are open to juniors and seniors.
III. Vertebrate Zoology—5 hours. A survey of the classes of vertebrates with particular reference to their origin, development, anatomy, physiology, and economic importance. Practice in dissection. Prerequisite: Animal Biology. Recitations, 3 periods a week; laboratory work, 4 periods a week. Open to juniors and seniors.

IV. Physiology—5 hours. A study of the functioning of the different systems of organs of the human body. Dissection and experimentation. The correlation of physiology and anatomy of each organ. Recitations, 3 periods a week; laboratory work, 4 periods a week. Open to freshmen and sophomores.

V. Hygiene and Sanitation—5 hours. Personal hygiene, Sanitation. School health problems: heating, lighting, ventilation, the spread of communicable diseases. Recitations, 3 periods a week; laboratory work, 4 periods a week. Open to sophomores, juniors, and seniors.

VI. Botany I, General College Botany—5 hours. A general survey of botany. A study of plants, their classification and evolution. The economic application of botany. Recitations, 3 periods a week; laboratory work, 4 periods a week. Open to freshmen, sophomores, and juniors.

VII. Botany II, Non-Flowering Plants—5 hours. A study of plant groups to illustrate the development of the plant kingdom. Algae, fungi, liverworts, mosses, ferns. The reproductive features of seed plants. Recitations, 3 periods a week; laboratory work, 4 periods a week. Open to freshmen, sophomores, and juniors.

VIII. Botany III, Plant Taxonomy—5 hours. The identification, field recognition, and economic importance of seed plants of our local flora. A systematic study of the principal families of seed plants. Prerequisite: entrance credit in botany, or Botany I. Recitations, 3 periods a week; laboratory work, 4 periods a week. Open to sophomores, juniors, and seniors.

IX. Botany IV, Trees and Shrubs—3 hours. The identification and recognition of trees and shrubs common to this region. An introduction to the economic uses of woody plants. Recitation, 1 period a week; laboratory work, 4 periods a week. Open to freshmen, sophomores, and juniors.

X. Botany V, Plant Physiology—5 hours. Chemical elements necessary for plant life and methods by which plants assimilate these elements. The influence of light, heat, moisture, and gravity on living plants. Prerequisite: Botany I. Recitations, 3 periods a week; laboratory work, 4 periods a week. Open to juniors and seniors.

XI. Botany VI, Plant Ecology—5 hours. The important factors of environment and the effect of environment upon plant growth and plant distribution. The application of ecology to crop production. Prerequisite: Botany I. Recitations, 3 periods a week; laboratory work, 4 periods a week. Open to juniors and seniors.

XII. Insects and Man—3 hours. A study of insects with special reference to their relations to man. Prerequisite: Animal Biology. Recitations, 2 periods a week; laboratory work, 2 periods a week. Open to juniors and seniors.

XIII. Bacteriology—5 hours. Micro-organisms, their classification, morphology, and physiology. The relation of bacteria, yeasts, and molds to health, sanitation, and the preservation of foods. Recitations, 3 periods a week; laboratory work, 4 periods a week. Open to juniors and seniors.
XIV. Organic Evolution—2 hours. The meaning, evidences, and factors of organic evolution. Its significance in biology and in modern thought. Open to sophomores, juniors, and seniors.

XV. Heredity—3 hours. The laws of heredity and their relation to plants, animals, and man. The significance of heredity to the human race. Open to sophomores, juniors, and seniors.

XVI. Nature Study—5 hours. Credit only on the kindergarten and nursery school, primary, elementary teacher, and consolidated school curriculums, and for those whose major is normal training high school critic work. A study of rocks, minerals, soils, insects, birds, and trees. Recitations, 3 periods a week; laboratory work, 4 periods a week. Open to freshmen and sophomores.

XVII. The Teaching of the Biological Sciences—3 hours. Organization of subject matter. Methods of teaching the biological sciences in high school. Demonstrations and practice in laboratory. Field exercises. Collection and preparation of laboratory materials. If biological science is the student's major this course may be substituted for 3 hours of the second 5 hours of required work in section A or section C in education. Prerequisite: 15 hours of credit in biological science including botany and biology. Recitations, 2 periods a week; laboratory work, 2 periods a week. Open to juniors and seniors.

2. Earth Science

Chemistry I and II, Soils, and Soil Fertility, though not included in the earth science major line, may be counted toward a major in earth science.

I. Principles of Physiography—5 hours. The agencies and processes at work in producing land forms. Life as affected by physical environment. Interpretation of topographic maps. Field trips. Open to freshmen and sophomores.

II. Physiography of the United States—5 hours. A detailed study of the origin of the various physiographic regions of the United States. Open to sophomores and seniors.

III. Principles of Geology—5 hours. The origin, history, and structure of the earth. Present processes and changes. Laboratory and field work. Open to freshmen, sophomores, and juniors.

IV. Mineralogy—5 hours. Descriptive and determinative mineralogy. Prerequisite: high school or college physics or inorganic chemistry. Recitations, 3 periods a week; laboratory work, 4 periods a week. Open to juniors and seniors.

V. Climatology—5 hours. The air, its composition and physics. Moisture. Weather forecasting, map making, and instruments used in gathering data. Open to juniors and seniors.

VI. Astronomy—5 hours. The fundamental facts and laws of astronomy. The uses of various astronomical instruments. A general study of the heavenly bodies. Open to sophomores, juniors, and seniors.

VII. Elements of Geography I—5 hours. Man's adjustments to climate, surface, soil, water resources, mineral resources, and other natural features. Open to freshmen, sophomores, and juniors.

VIII. Elements of Geography II—5 hours. Subject matter organized as problems for the various grades. Selection and use of textbooks and supplementary material. Collection of illustrative material. Objective tests, field trips, map and graph work for teachers of geography. Prerequisite: Elements of Geography I. Open to sophomores, juniors, and seniors.
IX. Commercial and Industrial Geography—5 hours. Credit only for those whose major is commercial education or earth science. A study of the commodities of international trade. Trade routes of the world. Ocean transportation. Open to freshmen and sophomores.

X. Geography of Europe—5 hours. A regional study of the continent of Europe. The economic development of the various sections as related to the natural environment. Present day problems and the bearing of natural resources upon their solution. Open to sophomores, juniors, and seniors.

XI. Geography of North America—5 hours. The major geographic regions of the continent. Intensive study of the regions of the United States. The organization of problems based on the relation between economic activities and natural environment. Open to sophomores, juniors, and seniors.

XII. Geography of South America—5 hours. Trade opportunities in South America. The economic activities of the major geographic regions as reflecting the present day utilization of the natural resources. Possibilities for future development. Open to juniors and seniors.

XIII. Historical Geography of the United States—5 hours. Correlation of geography and American history. A study of man's changing adjustments to natural environment in the settlement and development of the United States. Prerequisite: entrance credit or college credit in American history. Open to juniors and seniors.

XIV. Conservation of Natural Resources—5 hours. The natural resources of the United States: the soils, the water supply, the forests, the grasslands, the minerals. Past exploitations of these resources. The movement for the better utilization of natural resources by such means as scientific forestry, reclamation of waste lands, checking of erosion. Open to juniors and seniors.

3. Agriculture

Ten hours of work from Botany I-VI, Chemistry I and II, Bacteriology, and Elements of Geography, though not included in the agriculture major line, may be counted toward a major in agriculture.

I. General Agriculture—5 hours. No credit for a student for whom one or more units of college entrance credit in agriculture have been accepted. An introductory course. Recitations, 3 periods a week; laboratory work, 4 periods a week. Open to freshmen and sophomores.

II. Dairy Cattle—3 hours. Breeds and types. Judging and marketing. Recitations, 2 periods a week; laboratory work, 2 periods a week. Open to freshmen, sophomores, and juniors.

III. Beef Cattle and Sheep—3 hours. Breeds, types, grades. Judging and marketing. Recitations, 2 periods a week; laboratory work, 2 periods a week. Open to freshmen, sophomores, and juniors.

IV. The Testing of Dairy Products—2 hours. Recitation, 1 period a week; laboratory work, 2 periods a week. Open to sophomores, juniors, and seniors.

V. Swine—2 hours. Breeds, types, market classes, and grades. Judging and marketing. Recitation, 1 period a week; laboratory work, 2 periods a week. Open to freshmen, sophomores, and juniors.

VI. Horses—2 hours. Types, breeds, classes, grades. Judging. Recitation, 1 period a week; laboratory work, 2 periods a week. Open to freshmen, sophomores, and juniors.

VII. Soils—3 hours. Management of soils for maximum produc-
COURSES OF INSTRUCTION

Recitations. 2 periods a week; laboratory work, 2 periods a week. Open to freshmen, sophomores, and juniors.

VIII. Horticulture—2 hours. The management of orchard, bush, and small fruits. Harvesting and marketing. Recitation, 1 period a week; laboratory work, 2 periods a week. Open to freshmen, sophomores, and juniors.

IX. Farm Crops—5 hours. The important field crops of Iowa. Recitations, 3 periods a week; laboratory work, 4 periods a week. Open to juniors and seniors.

X. Weeds—2 hours. Identification and control of common weeds. Recitation, 1 period a week; laboratory work, 2 periods a week. Open to sophomores, juniors, and seniors.

XI. Feeds and Feeding—3 hours. Balanced rations. Methods of feeding farm animals. Open to juniors and seniors.

XII. Principles of Breeding—2 hours. Laws of breeding and care of breeding stock. Open to juniors and seniors.

XIII. Farm Poultry—2 hours. Breeds and varieties. Management. Recitation, 1 period a week; laboratory work, 2 periods a week. Open to sophomores, juniors, and seniors.

XIV. Soil Fertility—2 hours. Plant food materials and permanent agriculture. Open to sophomores, juniors, and seniors.

XV. Farm Management—3 hours. The factors involved in various kinds of farming. Open to sophomores, juniors, and seniors.

XVI. Marketing Agricultural Products—3 hours. Study of grain, live stock, and produce marketing, with emphasis upon cooperative methods. Open to sophomores, juniors, and seniors.

XVII. Methods in Agriculture—5 hours. Agriculture in the high school. Aims, subject matter, methods of presentation. If agriculture is the student's major, this course may be substituted for the second 5 hours of required work in section A or section C in education. Open to juniors and seniors.

NURSERY SCHOOL
(See courses in Education and in Teaching)

ORCHESTRAL MUSIC

I. Supervisors Violin (a)—Drill credit. Elementary class work in violin. Two periods a week. Open only to students whose major is public school music or orchestral music or band music.

II. Supervisors Violin (b)—Drill credit. Intermediate class work in violin. Prerequisite: Supervisors Violin (a) or equivalent preparation. Two periods a week. Open only to students whose major is public school music or orchestral music or band music.

III. Supervisors Violin (c)—Drill credit. Advanced class work in violin. Prerequisite: Supervisors Violin (b) or equivalent preparation. Two periods a week. Open only to students whose major is public school music or orchestral music or band music.

IV. Orchestral Instruments I-VI (I. Cello, II. Bass, III. Clarinet, IV. Trumpet, French Horn, Trombone, V. Flute, Saxophone, Percussion, VI. Oboe, Bassoon)—each 1 hour. A study of the orchestral instruments in class. The selection and care of instruments. Methods of teaching orchestral instruments. Prerequisite: 3 hours of credit in
applied music other than voice. Two periods a week. Open to sopho-

V. Orchestra Conducting—3 hours. Technique of the baton, score
reading, orchestral seating. Orchestral material and repertoire. Forma-
tion and management of school and community orchestras. Practice
in conducting an orchestra. Prerequisite: 3 hours of credit in applied
music other than voice. Open to juniors and seniors.

VI. Orchestration I—3 hours. A study of orchestral scores and
arrangements adapted to the needs of smaller orchestras. Cross cuing
and practical arranging for small orchestras. Prerequisite: Harmony
I, II, III, and 3 hours of credit in applied music other than voice.
Open to juniors and seniors.

VII. Band Conducting—3 hours. Band baton technique. Forma-
tion and management of school and community bands. Military band
drill and letter formations. Practice in band directing. Prerequisite:
3 hours of credit in wood-wind or brass instruments. Open to juniors
and seniors.

VIII. Band Instrumentation—3 hours. A study of band scores.
Practical arrangements and preparation of scores for band. Prerequi-
site: Harmony I, II, III, and 3 hours in wood-wind or brass instru-
ments. Open to juniors and seniors.

IX. Orchestration II—3 hours. A study of scores for large or-
chestras adapted to needs of large high school and civic orchestras.
Practical arrangement and preparation of scores for large orchestras.
Prerequisite: Orchestration I and Counterpoint I, II, III. Open to
juniors and seniors.

X. Canon and Fugue—3 hours. Cultivation of ability to write canon,
accompanied and unaccompanied. Two and three part inventions.
Two, three, and four voice fugues. Prerequisite: Harmony I, II, III,
IV, and Counterpoint I, II, III. Open to juniors and seniors.

XI. Musical Composition—3 hours. Elementary composition in
homophonic forms. Writing of songs and instrumental pieces. Pre-
requisite: Harmony I, II, III, IV. Open to juniors and seniors.

XII. Applied Music III, Violin, Viola, Cello, Bass, Harp—each 1
to 12 hours. The first three hours are open to freshmen, sophomores,
and juniors, and the fourth to twelfth hours are open to sophomores,
juniors, and seniors.

XIII. Applied Music IV, Wood-wind and Brass Instruments—Each
1 to 6 hours except that not more than 1 hour in saxophone may be
counted toward graduation. The first three hours are open to fresh-
men, sophomores, and juniors, and the fourth, fifth, and sixth hours
are open to sophomores, juniors, and seniors.

XIV. Applied Music V, Percussion Instruments. Tympani—1 hour
each term with maximum credit of 3 hours. Xylophone—1 hour each
term with maximum credit of 3 hours. Drums and Traps—1 hour.
Open to freshmen, sophomores, and juniors.

Note

String ensemble for the study and performance of sonatas, trios,
quartettes, and quintettes is open to students in violin, viola, cello,
bass, harp, and piano. Wood-wind and brass ensemble for work of a
similar nature is open to students in wood-wind and brass instruments.
PHYSICAL EDUCATION

1. Physical Education for Women

A student whose major is physical education must take four courses in physical training each term unless released by the adviser from part of this requirement.

Regulation gymnasium suits are required of all women who take work in physical training.

A physical examination is required.

I, II. Anatomy I, II—each 5 hours. Gross anatomy of the osseous, muscular, and nervous systems and of the vital organs. Open to sophomores, juniors, and seniors.

III. Kinesiology—3 hours. The analysis of the body mechanics involved in the movements of gymnastics, games, and dancing, and of everyday life in relation to the problem of bodily development and efficiency. Prerequisite: Anatomy I, II. Open to sophomores, juniors, and seniors.

IV. First Aid to the Injured—2 hours. A Red Cross First Aid Certificate is awarded on examination. Open to freshmen, sophomores, and juniors.

V. Play and Playground—3 hours. No credit for those whose major is physical education. Age group characteristics in relation to play, adaptation of play material to age groups, the daily program for playground, a recreational program for the entire year. Cost, selection, use, and placing of playground apparatus. Open to freshmen and sophomores.

VI. Club Craft and Leadership—2 hours. Girls' club work and its correlation with the physical education program of the public school. The organization and administration of Camp Fire Girls, Girl Scouts, Girl Reserves, and other similar clubs. Open to sophomores, juniors, and seniors.

VII. *Physical Education I—5 hours. The principles, objectives, and scope of physical education. The technique of teaching formal and natural gymnastics, with a critical study of their aims and values. The study of the posture of school children. Open to sophomores, juniors, and seniors.

VIII. *Physical Education II—5 hours. Age group characteristics. Adaptation of play material to age groups. The daily program for playground. A year round recreational program and programs for special days. Play movements in relation to present playground organizations. Cost, selection, use, and placing of playground apparatus. The playground site. Open to juniors and seniors.

IX. Physical Education III—3 hours. The teaching of swimming, life saving, and basketball. Basketball officiating. Open to sophomores, juniors, and seniors.

X. Physical Education IV—2 hours. The teaching of soccer, hockey, and tennis. Officiating. Open to juniors and seniors.

XI. Physical Education V—3 hours. The teaching of indoor baseball, and of track and field sports. Officiating. Motor ability tests. The organization and administration of track meets and play days. Open to juniors and seniors.

XII. Physical Education VI—2 hours. The philosophy of the dance. The dance as an educational activity. Its technique. Methods of teaching. Open to juniors and seniors.

* Credit only for students whose major is physical education or coaching and athletics.
XIII. History of Physical Education—2 hours. The development of physical education from ancient times to the present day. Open to sophomores, juniors, and seniors.

XIV. *School Health Problems—2 hours. Physical measurements. The normal child as shown by growth and development. Laws of habit as related to health. The use of devices such as posters, poems, and stories in promoting health education. The handling and use of data from physical examination cards. Open to juniors and seniors.

XV. Physical Growth and Health Care—3 hours. The physical growth of children with particular reference to the anatomic and muscular nature of the child. Sleep, exercise, clothing, and first aid. Open to juniors and seniors.

XVI. *Physical Diagnosis—3 hours. Diagnosis of the common defects and diseases of school children. Prerequisite: Anatomy I, II, and Physiology. Open to juniors and seniors.

XVII. *Physiology of Exercise—3 hours. The effects of exercise upon the various organic functions of the body. A comparative study of strength, speed, and endurance exercises. Prerequisite: Anatomy I, II, and Physiology. Open to juniors and seniors.

XVIII. *Corrective Gymnastics and Massage—3 hours. Causes, diagnosis, and treatment of posture and of foot defects. Massage. Prerequisite: Kinesiology. Open to juniors and seniors.

XIX. *Physical Department Administration—3 hours. Administration of a school program in physical education. Equipment and care of gymnasiums. Special problems of teachers of physical education. Open to juniors and seniors.

Physical training for women includes:

Physical Training
a. For Primary Teachers
   Folk Dancing
   Social Dancing

b. For Intermediate Grade Teachers
   National Dancing
   Interpretative Dancing
   Clogging and Tap Dancing
   Basketball
   Volleyball
   Fieldball
   Baseball

Stunts and Games
Track and Field Sports
Games and Athletics
Simple Team Games

2. Coaching and Athletics

Anatomy I and II, History of Physical Education, Corrective Gymnastics and Massage, and First Aid to the Injured are included in the coaching and athletics major line. Hygiene and Sanitation and Physiology, though not included in the coaching and athletics major line, may be counted toward a major in coaching and athletics.

Not more than 9 hours of credit in theory of football, 9 hours in theory of basketball, 6 hours in theory of baseball, and 6 hours in theory of track may be counted toward graduation.

Not more than 10 hours of credit in theory courses in athletics may be counted toward graduation in the case of a student whose major is other than coaching and athletics, except that 15 hours of such credit may be counted toward graduation in the case of a student whose major is agriculture, commercial education, or manual arts.

* Credit only for students whose major is physical education or coaching and athletics.
Not less than 5 hours of credit in theory courses in athletics may be counted toward graduation from a two-year curriculum. Not less than 8 hours may be counted toward graduation from a degree curriculum.

A student who registers for any one of the first ten courses in theory of athletics is not required to register for physical training during the same term. A student who has earned credit for one or more of these courses is released from a corresponding number of terms of physical training.

I. **Theory of Football I**—3 hours. The fundamentals of football: coaching, kicking, passing, interference, tackling, and the elementary principles of line and backfield work. Football rules. Theory and practice, 10 periods a week. Open to freshmen, sophomores, and juniors.

II. **Theory of Football II**—3 hours. An intensive study of team play, offensive and defensive systems, signal systems, and scouting. Theory and practice, 10 periods a week. Open to sophomores, juniors, and seniors.

III. **Theory of Football III**—3 hours. Football coaching under supervision. The coach’s problems: building formations and plays, strategy and generalship. Observation work. Theory and practice, 10 periods a week. Prerequisite: Theory of Football I or II. Open to juniors and seniors.

IV. **Theory of Basketball I**—3 hours. The fundamentals of basketball: goal throwing, passing, dribbling, stops and turns. Rules. Theory and practice, 10 periods a week. Open to freshmen, sophomores, and juniors.

V. **Theory of Basketball II**—3 hours. The selection of plays. The execution of plays from tip-off, out-of-bounds, and foul-shot positions. Offensive and defensive methods. Theory and practice, 10 periods a week. Open to sophomores, juniors, and seniors.

VI. **Theory of Basketball III**—3 hours. Coaching under supervision. Training and conditioning. Observation work. Theory and practice, 10 periods a week. Prerequisite: Theory of Basketball I or II. Open to juniors and seniors.

VII. **Theory of Track I**—3 hours. Forms and methods of starting, sprinting, hurdling, distance running, pole vaulting, high and broad jumping, shot putting, discus and javelin throwing. Theory and practice, 10 periods a week. Open to freshmen and sophomores.

VIII. **Theory of Track II**—3 hours. The theory of coaching for different track and field events. Massage, treatment of sprains, and conditioning of men. Rules. Theory and practice, 10 periods a week. Open to juniors and seniors.


XII. **Theory of Wrestling**—2 hours. The fundamentals of wrestling.
Different holds and counters. The coaching of wrestling teams. Rules. Theory and practice, 5 periods a week. Open to juniors and seniors.


XV. Organization and Administration of Athletics—3 hours. Purpose of athletics. Intermural plan, efficiency tests, playground work, and scout leadership. Interscholastic athletics, games, track meets, tournaments. Business administration, sportsmanship, and ethics. Open to juniors and seniors.

Summer Term Courses.

XVI. Theory of Football IV—2 hours. The theory of offensive and defensive systems from the viewpoint of the coach. Rules for the coach, the official, and the player. Theory and practice, 5 periods a week. Open to sophomores, juniors, and seniors.

XVII. Theory of Basketball IV—2 hours. A course for coaches in the theory and art of basketball. Theory and practice, 5 periods a week. Open to sophomores, juniors, and seniors.


Physical training for men includes:

- Baseball
- Football
- Basketball
- Track Athletics

- Volleyball
- Handball
- Tennis
- Golf
- Swimming
- Gymnastics
- Floor Work
- Boy Scout Work

**PHYSICS AND CHEMISTRY**

1. **Physics**

Ten hours of work in chemistry, Mathematics III, and calculus, though not included in the physics major line, may be counted toward a major in physics.

**Physics A**—5 hours. Mechanics, sound, and light. A course in general physics for those who do not present credit in physics for entrance. Recitations, 3 periods a week; laboratory work, 4 periods a week. Open to freshmen and sophomores.

**Physics B**—5 hours. Heat, electricity, and magnetism. A continuation of course A. Recitations, 3 periods a week; laboratory work, 4 periods a week. Open to freshmen and sophomores.

**I. Mechanics**—3 hours. No credit for those who have earned credit in Physics A. Prerequisite: high school physics or equivalent preparation. Open to freshmen, sophomores, and juniors.

**II. Laboratory Work in Mechanics**—2 hours. No credit for those who have earned credit in Physics A. Application of the principles of mechanics studied in Physics I. This course should accompany Physics I. Laboratory work, 4 periods a week. Open to freshmen, sophomores, and juniors.
III. Sound and Light—3 hours. The theory of light is presented from the point of view of geometrical and physical optics. Prerequisite: Physics I or Physics A and B or equivalent preparation. Open to sophomores, juniors, and seniors.

IV. Laboratory Work in Sound and Light—2 hours. This course should accompany Physics III. Prerequisite: Physics I and II or Physics A and B. Laboratory work, 4 periods a week. Open to sophomores, juniors, and seniors.

V. Heat, Electricity, and Magnetism—3 hours. Prerequisite: Physics I or Physics A and B or equivalent preparation. Open to sophomores, juniors, and seniors.

VI. Laboratory Work in Heat, Electricity, and Magnetism—2 hours. This course should accompany Physics V. Prerequisite: Physics I and II or Physics A and B. Laboratory work, 4 periods a week. Open to sophomores, juniors, and seniors.

VII. Advanced Mechanics—3 hours. The experimental work is devoted particularly to problems of inertia and of harmonic motion. Laboratory work, 6 periods a week. Prerequisite: Physics I and II or equivalent preparation. Open to sophomores, juniors, and seniors.

VIII. Advanced Course in Light—3 hours. Experiments with spectrometer, gratings, and interferometer. Laboratory work, 6 periods a week. Prerequisite: Physics III and IV or equivalent preparation. Open to sophomores, juniors, and seniors.

IX. Advanced Course in Electricity and Magnetism—5 hours. Use of the magnetometer and the quadrant electrometer. Measurements of the coefficients of induction. Experiments in radioactivity by means of the gold leaf electroscope mounted with reading telescope. Laboratory work, 10 periods a week. Prerequisite: Physics V and VI or equivalent preparation. Open to juniors and seniors.

X. Alternating Currents—2 hours. An elementary course preparatory to Physics XI. Recitation, 1 period a week; laboratory work, 2 periods a week. Prerequisite: Physics I, II, V, VI, or equivalent preparation. Open to juniors and seniors.

XI. Radio and Wireless—3 hours. Alternating current phenomena. Problems of capacity and inductance. Commercial wireless telegraphy and telephony. Recitations, 2 periods a week; laboratory work, 2 periods a week. Prerequisite: Physics I, V, VI. This course must be preceded or accompanied by Physics X. Open to juniors and seniors.

XII. Modern Physics—5 hours. An introductory course in radioactive and electronic phenomena in general. Recitations, 3 periods a week; laboratory work, 4 periods a week. Prerequisite: Physics I, II, V, VI. Open to juniors and seniors.

XIII. Advanced Modern Physics—5 hours. A continuation of Modern Physics. Recitations, 3 periods a week; laboratory work, 4 periods a week. Open to juniors and seniors.

XIV. Teachers' Course in Physics—5 hours. The history of physics. Methods of teaching physics. Laboratory devices illustrated in experiments performed by the student. If physics or physical science is the student's major, this course may be substituted for the second 5 hours of required work in section A or section C in education. Recitations, 3 periods a week; laboratory work, 4 periods a week. Prerequisite: 10 hours of college physics. (The prerequisite may be set aside during the summer term for teachers of physics.) Open to juniors and seniors.
XV. **Everyday Physical Science**—5 hours. Credit only on kindergarten and nursery school, primary, elementary teacher, and consolidated school curriculums. The common phenomena of inanimate nature in the student's environment. The more common inventions in the home and elsewhere. Recitations, 4 periods a week; laboratory work, 2 periods a week. Open to freshmen and sophomores.

XVI. **Mechanics, Light, Electricity**—5 hours. Credit only for students whose major is physical education. Recitations, 3 periods a week; laboratory work, 4 periods a week. Open to freshmen and sophomores.

XVII. **Sound and Music**—5 hours. Credit only on degree curriculums. An elementary study of the physics of sound with about fifteen laboratory exercises for each student. Sound as music. Recitations, 4 periods a week; laboratory work, 2 periods a week. Open to freshmen, sophomores, and juniors.

XVIII. **Household Physics**—3 hours. Credit only for students whose major is home economics. Recitations, 2 periods a week; laboratory work, 2 periods a week. Open to sophomores, juniors, and seniors.

XIX. **General Physical Science**—5 hours. Credit only on degree curriculums. Fundamental principles and important applications of the physical sciences. A non-mathematical demonstration course designed especially as a preparation for teaching general science. Recitations, 3 periods a week; laboratory work, 4 periods a week. Open to freshmen and sophomores.

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2. **Chemistry**

Ten hours of physics from courses I-VI, though not included in the chemistry major line, may be counted toward a major in chemistry.

I. **Inorganic Chemistry I**—5 hours. Recitations, 3 periods a week; laboratory work, 4 periods a week. Open to freshmen, sophomores, and juniors.

II. **Inorganic Chemistry II**—5 hours. A continuation of course I. Recitations, 3 periods a week; laboratory work, 4 periods a week. Open to freshmen, sophomores, and juniors.

III. **Chemistry of Non-metals**—5 hours. No credit for students who have earned credit in Inorganic Chemistry I, II, or A, B. A condensed course for students who present entrance credit in chemistry. Recitations, 3 periods a week; laboratory work, 4 periods a week. Open to freshmen, sophomores, and juniors.

IV. **Chemistry of Metals and Qualitative Analysis**—5 hours. An introduction to the study of the properties of the metallic elements. Recitations, 2 periods a week; laboratory work, 6 periods a week. Open to freshmen, sophomores, and juniors.

V. **Organic Chemistry**—5 hours. A course in the essentials of organic chemistry. Prerequisite: Chemistry I and II. Recitations, 3 periods a week; laboratory work, 4 periods a week. Open to sophomores, juniors, and seniors.

VI. **Organic Preparations:**

(a)—3 hours. Synthesis of typical compounds representative of organic reactions. Prerequisite: Chemistry V or XV. Laboratory work, 6 periods a week. Open to sophomores, juniors, and seniors.

(b)—2 hours. A continuation of course VI (a). Laboratory work, 4 periods a week. Open to sophomores, juniors, and seniors.

VII. **Quantitative Analysis (Gravimetric):**

(a)—3 hours. The elementary principles of gravimetric analysis.
Prerequisite: Chemistry IV. Laboratory work, 6 periods a week. Open to sophomores, juniors, and seniors.

(b) — 2 hours. A continuation of course VII (a). Chemistry VII (a) must precede or accompany this course. Laboratory work, 4 periods a week. Open to sophomores, juniors, and seniors.

VIII. Quantitative Analysis (Volumetric):

(a) — 3 hours. An introduction to volumetric analysis. Laboratory work, 6 periods a week. Open to sophomores, juniors, and seniors.

(b) — 2 hours. A continuation of VIII (a). An essential part of a major in chemistry. Chemistry VIII (a) must precede or accompany this course. Laboratory work, 4 periods a week. Open to sophomores, juniors, and seniors.

IX. Water Analysis:

(a) Sanitary Water Analysis—2 hours. Analysis of drinking water from the point of view of the sanitary chemist. Prerequisite: Chemistry IV. Laboratory work, 4 periods a week. Open to juniors and seniors.

(b) Mineral Water Analysis—3 hours. Determination of the mineral content of waters. The evaluation of softening processes. Prerequisite: Chemistry IV. Laboratory work, 6 periods a week. Open to juniors and seniors.

X. Physical Chemistry—3 hours. Prerequisite: Chemistry I, II, IV. Open to juniors and seniors.

XI. Special Laboratory Course—5 hours. This course may be arranged to include various kinds of quantitative experimental work. For students of exceptional ability it may be in the nature of a senior research problem. Laboratory work, 10 periods a week. Open to juniors and seniors.

XII. The Teaching of Chemistry—5 hours. Classroom methods, the literature of chemistry, laboratory supervision and care, experimental demonstrations, materials and purchasing. If chemistry is the student's major, this course may be substituted for the second 5 hours of required work in section A or section C in education. Recitations, 3 periods a week; laboratory work, 4 periods a week. Open to juniors and seniors.

XIII. Inorganic Chemistry A—5 hours. Open only to students whose major is home economics. Courses XIII and XIV are equivalent to courses I and II, except that courses XIII and XIV include a study of the metals and their compounds. Recitations, 3 periods a week; laboratory work, 4 periods a week. Open to freshmen, sophomores, and juniors.

XIV. *Inorganic Chemistry B—5 hours. A continuation of Inorganic Chemistry A. Recitations, 3 periods a week; laboratory work, 4 periods a week. Open to freshmen, sophomores, and juniors.

XV. Organic Chemistry—3 hours. Prerequisite: Chemistry I and II or XIII and XIV or equivalent preparation. Recitation, 1 period a week; laboratory work, 4 periods a week. Open to freshmen, sophomores, and juniors.

XVI. Chemistry of Foods and Nutrition—5 hours. The essentials of physiological chemistry. The chemical composition of foods. Prerequisite: Chemistry V or XV. Recitations, 3 periods a week; laboratory work, 4 periods a week. Open to sophomores, juniors, and seniors.

* Those who take this course may not receive additional credit for Chemistry of Metals and Qualitative Analysis.
XVII. Advanced Nutrition Chemistry—2 hours. A more complete study of metabolism than in course XVI. Recitation, 1 period a week; laboratory work, 2 periods a week. Open to juniors and seniors.

XVIII. Food Analysis—5 hours. Proximate analysis of the common foods in a quantitative way. Recitations, 2 periods a week; laboratory work, 6 periods a week. Open to juniors and seniors.

XIX. Inorganic Chemistry—5 hours. Credit only for students whose major is physical education. Basic principles and laboratory technique. A course preparatory to Physiological Chemistry. Recitations, 3 periods a week; laboratory work, 4 periods a week. Open to freshmen and sophomores.

XX. Physiological Chemistry—5 hours. Credit only for students whose major is physical education. The chemistry of digestion, metabolism, muscular action, and other physiological processes. Recitations, 3 periods a week; laboratory work, 4 periods a week. Prerequisite: Inorganic Chemistry. Open to freshmen and sophomores.

PRIMARY
(See courses in Education and in Teaching.)

PSYCHOLOGY
(See courses in Education.)

RELIGIOUS EDUCATION

Five hours of work in religious education may be elected by a student on a two-year curriculum and 15 hours by a student on a degree curriculum.


II. Hebrew Religion I—3 hours. The origin of the Hebrew religion and its development into a political messianic monarchy. Open to freshmen, sophomores, and juniors.

III. Hebrew Religion II—3 hours. The rise of Judaism and its development into a religion of law. Open to sophomores, juniors, and seniors.

IV. The Hebrew Prophets—3 hours. The development of prophethood with special attention to the greater prophets. Open to sophomores, juniors, and seniors.

V. Synoptic Life of Jesus—3 hours. A study of the life and teaching of Jesus as portrayed in the synoptic gospels in contrast with the current ideas of his day. Open to freshmen, sophomores, and juniors.

VI. The Life and Letters of Paul—2 hours. The rise of the apostle and his extension of Christianity to the Gentiles as described in Acts. A study of parts of his thirteen letters in their historical setting. Open to freshmen, sophomores, and juniors.


VIII. Origin and Growth of the Christian Religion—3 hours. Open to juniors and seniors.

IX. The Bible as Literature—3 hours. The literary quality of the Bible. Open to sophomores, juniors, and seniors.

X. Bible Ethics—3 hours. The development of ethical standards from the legalistic to the voluntary motivations of life. The ethical contributions of the gospels. Open to sophomores, juniors, and seniors.
XI. Religions of the World—2 hours. A survey of the great world religions other than Christianity. Open to juniors and seniors.

XII. Methods of Religious Education—2 hours. Methods, materials, and curriculums for vacation schools, church schools, and public schools. Open to sophomores, juniors, and seniors.

ROMANCE LANGUAGES

1. French

Ten hours of Spanish from courses IV-IX, though not included in the French major line, may be counted toward a major in French.

Freshmen who have had two years of French in high school may take French IV, V, VI, and may continue in the sophomore year beyond French VI.

I. *French I—5 hours. The elements of grammar, pronunciation, and training in simple conversation. Open to freshmen, sophomores, and juniors.

II. *French II—5 hours. Grammar and easy reading. Drill in conversation and composition. Open to freshmen, sophomores, and juniors.

III. French III—5 hours. Reading of a number of the easier texts and practice in conversation. Prerequisite: one year of high school French or equivalent preparation. Open to freshmen, sophomores, and juniors.

IV (a). Reading—3 hours. Texts selected from the better known fiction and drama of the nineteenth century. Prerequisite: two years of high school French or equivalent preparation. Open to sophomores, juniors, and seniors, and to freshmen who have had two years of French in high school. See statement preceding course I.

IV (b). Conversation and Composition—2 hours. The grammar, idioms, and vocabulary necessary for general conversation. Prerequisite: two years of high school French or equivalent preparation. Open to sophomores, juniors, and seniors, and to freshmen who have had two years of French in high school.

V (a). Advanced Reading—3 hours. Open to sophomores, juniors, and seniors.

V (b). Conversation and Composition—2 hours. Concentration on the French of everyday life, some facility on the part of the student in the use of the more general vocabulary and idioms being presumed. Open to sophomores, juniors, and seniors.

VI (a). Advanced Rapid Reading—3 hours. Reading of a maximum number of texts with the purpose of accustoming the student to read French with facility. Open to sophomores, juniors, and seniors.

VI (b). Advanced Composition and Conversation—2 hours. The aim of the course is a reasonable fluency in the use of French for conversation and correspondence. Open to sophomores, juniors, and seniors.


VII (b). French Drama of the Romantic Period—2 hours. Open to juniors and seniors.

VIII (a). French Novel and Short Story of the Realistic Period—3 hours. Open to juniors and seniors.

VIII (b). French Drama of the Realistic Period—2 hours. Open to juniors and seniors.

* The year’s work must be completed if any credit is used in meeting the requirements for graduation.
IX (a). Contemporary French Drama—3 hours. Open to juniors and seniors.

IX (b). Contemporary French Novel and Short Story—2 hours. Open to juniors and seniors.

X, XI, XII. French Literature of the 17th and 18th Centuries—each 3 hours. A study of the classical writers of France. Open to juniors and seniors.

XIII. Victor Hugo—2 hours. The prose and poetry of Victor Hugo. Open to juniors and seniors.

XIV. Edmond Rostand—2 hours. The lyric and dramatic poetry of Edmond Rostand. Open to juniors and seniors.

XV. Pierre Loti—2 hours. The novels of Pierre Loti. Open to juniors and seniors.

XVI. The Teaching of French—2 hours. If French is the student's major, this course may be substituted for 2 hours of the second 5 hours of required work in section A or section C in education. Prerequisite: French VI or equivalent preparation. Open to juniors and seniors.

2. Spanish

Ten hours of French from courses IV-XV, though not included in the Spanish major line, may be counted toward a major in Spanish. Freshmen who have had two years of Spanish in high school may take Spanish IV, V, VI, and may continue in the sophomore year beyond Spanish VI.

I. *Spanish I—5 hours. The elements of grammar, pronunciation, and training in simple conversation. Open to freshmen, sophomores, and juniors.

II. *Spanish II—5 hours. Grammar and easy Spanish reading. Drill in conversation and composition. Open to freshmen, sophomores, and juniors.

III. Spanish III—5 hours. Reading of a number of the easier texts and practice in conversation. Prerequisite: one year of high school Spanish or equivalent preparation. Open to freshmen, sophomores, and juniors.

IV (a). Advanced Reading—3 hours. Texts selected from the better known fiction and drama of the nineteenth century. Prerequisite: two years of high school Spanish or equivalent preparation. Open to sophomores, juniors, and seniors, and to freshmen who have had two years of Spanish in high school. See statement preceding course I.

IV (b). Conversation and Composition—2 hours. The grammar, idioms, and vocabulary necessary for general conversation. Prerequisite: two years of high school Spanish or equivalent preparation. Open to sophomores, juniors, and seniors.

V (a). Advanced Reading—3 hours. A continuation of Spanish IV (a). Open to sophomores, juniors, and seniors.

V (b). Conversation and Composition—2 hours. A continuation of Spanish IV (b). Concentration on the Spanish of everyday life and business, some facility on the part of the student in the use of the more general vocabulary and idioms being presumed. Open to sophomores, juniors, and seniors.

VI (a). Advanced Rapid Reading—3 hours. Reading of a maximum number of texts with the purpose of accustoming the student to read Spanish with facility. Open to sophomores, juniors, and seniors.

* The year's work must be completed if any credit is used in meeting the requirements for graduation.
COURSES OF INSTRUCTION

VI (b). Conversation and Composition—2 hours. A continuation of Spanish V (b). The aim of the course is a reasonable fluency in the use of Spanish for conversation and correspondence. Open to sophomores, juniors, and seniors.

VII (a), VIII (a), IX (a). Spanish Literature of the Seventeenth Century—each 3 hours. A study of Cervantes and the classical dramatists. Open to juniors and seniors.

VII (b), VIII (b), IX (b). Advanced Grammar and Composition—each 2 hours. A detailed study of grammar and the teaching of Spanish. Open to juniors and seniors.

3. Italian

I, II. *Italian I, II—each 5 hours. Conducted similarly to French I, II, and Spanish I, II. Open to freshmen, sophomores, and juniors.

III. Italian III, Reading—5 hours. Reading of typical extracts from the older and modern classics. Open to freshmen, sophomores, and juniors.

RURAL EDUCATION
(See courses in Education and Rural Education.)

SOCIAL SCIENCE

1. History

American Constitutional History, though not included in the history major line, may be counted toward a major in history.

I. Greek and Roman Civilization—5 hours. The contribution of Greek and Roman civilization to human progress. Open to juniors and seniors.

II. European History I—5 hours. A survey of Europe from the fifth to the sixteenth century with emphasis on the portions most important in their influence on later periods. Open to freshmen and sophomores.

III. European History II—5 hours. The Reformation. The political revolution of the seventeenth and eighteenth centuries. The background of the French Revolution. Open to sophomores, juniors, and seniors.

IV. European History III—5 hours. Europe from 1789 to 1900 with emphasis upon the French Revolution, the Napoleonic Period, and constitutional developments. Open to sophomores, juniors, and seniors.

V. Recent European History—5 hours. Problems of the twentieth century: growth of states, national imperialism, international relations, the World War, reconstruction. Open to juniors and seniors.

VI. English History I—5 hours. The period prior to the eighteenth century. The development of institutions which have influenced American life. Open to freshmen, sophomores, and juniors.

VII. English History II—5 hours. The history of England and the Empire since the beginning of the eighteenth century. The triumph of parliamentary government. Industrial, social, and political developments. Open to sophomores, juniors, and seniors.

VIII. English Constitutional History—3 hours. A study of constitutional development throughout the entire period of English history. Open to sophomores, juniors, and seniors.

IX. American Colonial History—5 hours. A brief study of colonial settlements in America and their relation to England. Social and in-

* The year's work must be completed if any credit is used in meeting the requirements for graduation.
Industrial progress. Causes leading to separation. Open to freshmen, sophomores, and juniors.

X. American History I—5 hours. A survey of the period from 1789 to 1865 with emphasis on foreign relations, westward expansion, development of democracy, the growth of nationalism, and sectional controversies. Open to freshmen and sophomores.

XI. American History II—5 hours. The nation since 1865: growth of the West, immigration, business and labor organizations, financial and monetary problems, popular control of government, American territorial expansion, imperialism, and world relations. Open to sophomores, juniors, and seniors.

XII. Diplomatic History of the United States—5 hours. American foreign relations from the Revolution to the present time with emphasis upon the Monroe Doctrine and its changing interpretation, the rights of neutrals, territorial expansion, and peaceful solutions for disputes. Open to juniors and seniors.

XIII. History of the West—5 hours. The westward moving frontier, and the influence which movements and forces originating on the frontier have had on American institutions and history. Open to juniors and seniors.

XIV. History of Iowa—2 hours. The discovery and exploration of the Iowa country. The Indians and their removal. The early government and social and economic problems of the pioneer. The organization of Iowa as a state. Problems of anti-slavery, population, transportation, money, and prohibition in Iowa since 1846. Open to freshmen, sophomores, and juniors.

XV. Latin-American History—3 hours. The development of the Latin-American States and their relations to the United States. Open to sophomores, juniors, and seniors.

XVI. History of the Far East—3 hours. A brief survey of the Orient. The recent history of China, Japan, and India. The relation of the western nations to these countries. Open to sophomores, juniors, and seniors.

XVII. The Teaching of the Social Sciences—5 hours. Objectives, content, problems and methods of instruction. If history or government or economics is the student’s major this course may be substituted for the second 5 hours of required work in section A or section C in education. Open to juniors and seniors.

2. Government

The Teaching of the Social Sciences and Public Finance, though not included in the government major line, may be counted toward a major in government.

I. American Government—5 hours. The republican form of government and the constitutions of the state and the nation. The organization and actual workings of American government in all its branches. The completion of this course satisfies the requirement of Code section 3862 for a state teacher’s certificate in Iowa. Open to freshmen, sophomores, and juniors.

II. Parliamentary Law and Practice—1 hour. A study of the recognized rules and practices governing the action of deliberative bodies. Open to freshmen, sophomores, and juniors.

III. Principles of Political Science—3 hours. The nature, origin, and sovereignty of the state. The relation of a state to other states.
The separation of the powers of the state. The authority of the state over the individual. Open to sophomores, juniors, and seniors.

IV. American Constitutional History—5 hours. The development of the constitution of the United States from its adoption to the present time. Open to sophomores, juniors, and seniors.

V. Modern European Governments—5 hours. A comparative study of the organization and administration of the governments of England, France, Germany, Switzerland, Italy, and certain newer European states. Open to sophomores, juniors, and seniors.

VI. Local Government and Problems—2 hours. County, township, and village government in the United States. Problems of order, public safety, administration of justice, enforcement of law, good roads, and institutional charity. Open to sophomores, juniors, and seniors.

VII. Legislation—2 hours. A survey of the nature and function of legislative bodies. Emphasis upon the work of American legislatures. Open to sophomores, juniors, and seniors.

VIII. State Government and Administration—3 hours. A comparative study of the organization and administration of the state governments in the United States. Students who have had American Government in a standard institution outside of Iowa may take this course to meet the requirement of Code section 3862 for a state teacher's certificate in Iowa. Open to sophomores, juniors, and seniors.

IX. Political Parties and Leaders—3 hours. The origin, organization, methods, and operation of political parties in the United States. The aims and achievements of prominent leaders. Open to sophomores, juniors, and seniors.

X. Constitutional Law—5 hours. The constitution of the United States as fundamental law with emphasis upon the provisions that have been interpreted by the supreme court. Open to juniors and seniors.


XII. Colonial Government—2 hours. The principles of governmental organization and administration of colonies and dependencies developed by the leading colonial powers of the world. Governmental problems of the United States in connection with its territories and dependencies. Open to sophomores, juniors, and seniors.

XIII. Municipal Government—5 hours. The structure and functions of city government. The relation of the city to the state. Open to juniors and seniors.


XV. School Laws of Iowa—3 hours. School corporations in Iowa. The rights, powers, duties, and responsibilities at law of school boards, school officers, superintendents, teachers, parents, and pupils. Open to juniors and seniors.

XVI. American Political Theories—2 hours. The evolution of American political ideas from colonial times to the present. Open to juniors and seniors.

XVII. Legal Status of Women—2 hours. Common law status of women and the development of certain guarantees. Women's rights and
responsibilities as related to property holding, contract, guardianship, and family expenses. Open to juniors and seniors.

3. Economics

The Teaching of the Social Sciences and Marketing, though not included in the economics major line, may be counted toward a major in economics.

I. Economic History of the United States—5 hours. The principal factors and institutions involved in the development of trade and industry. Open to freshmen and sophomores.

II. Rural Sociology—5 hours. Social and economic institutions and problems of rural life: agricultural production and marketing, farm incomes, rural credits, tenantry, rural leadership, social centers and recreation, the rural church and the rural school. Open to freshmen and sophomores.

III. Principles of Economics I—5 hours. The fundamental principles of economics. Open to freshmen, sophomores, and juniors.

IV. Principles of Economics II—5 hours. A further treatment of certain fundamental principles of economics and their application to selected current problems. Prerequisite: Principles of Economics I. Open to sophomores, juniors, and seniors.

V. Money and Banking—5 hours. Money and the nature and functions of banks. The structure and operations of the federal reserve system and the federal farm loan system. Open to sophomores, juniors, and seniors.

VI. Corporation Finance and Investments—5 hours. The methods used in financing business enterprises. Types of corporate securities and their use. Failures and reorganizations. Factors to be considered in selecting investments. Open to sophomores, juniors, and seniors.

VII. General Sociology—5 hours. A study of the principal social forces and institutions involved in the evolution of society. Processes of social control. Open to sophomores, juniors, and seniors.

VIII. The Family—3 hours. A study of society's most basic institution, its origin, development, and social value. Problems of the modern family. Open to sophomores, juniors, and seniors.

IX. Social Problems—2 hours. Present day problems and social trends. Open to sophomores, juniors, and seniors.

X. Labor Problems—3 hours. Wage levels, hours of work, unemployment, and labor organizations. Women in industry. Methods of settling industrial disputes. Industrial democracy and labor legislation. Open to sophomores, juniors, and seniors.

XI. Transportation—3 hours. Problems of highway, water, rail, and air transportation. The regulation of rates and services. Prerequisite: Principles of Economics I. Open to juniors and seniors.


XIII. Insurance—2 hours. Property and life insurance. Types of policies and their business and personal uses. Open to juniors and seniors.

XIV. Industrial Combinations—3 hours. Factors tending toward large scale operation. Industrial combinations and monopolies. Types of organization. Legislation. Open to juniors and seniors.


XVII. Population—3 hours. The composition of population according to age, sex, marital status, occupation, and race. The decrease of rural population. Growth of population and its bearing upon wages and standards of living. Theories of population and movements to improve racial quality. Open to juniors and seniors.


SPEECH
(See courses in English and Speech.)

TEACHING

I. Illustrative Teaching—Credit required. A prerequisite for Teaching, except on the rural, the kindergarten and nursery school, and the primary curriculums. Observation and discussion of illustrative lessons, plan writing, projects, and lectures. Three periods a week. Prerequisite: Psychology I.

II. *Teaching—10 hours. Students take charge of classes in the campus schools or in affiliated schools, make and submit lesson plans, meet with critics for conferences, prepare comprehensive reports on the phases of teaching undertaken during the term, and perform such other duties as may be assigned. Five periods a week of classroom work and two periods of conferences with the supervisor are required for each 5 hours of credit. Prerequisite: 10 hours of psychology and education and credit for Illustrative Teaching. Open to sophomores, juniors, and seniors.

III. Primary Illustrative Teaching—2 hours. Credit only on the primary and on the kindergarten and nursery school curriculums. The theory of primary teaching. A study of lesson plans and projects. The observation and discussion of illustrative lessons. Four periods a week. Prerequisite: Psychology I. Open to freshmen and sophomores.

IV. **Primary Teaching—15 hours. Students take charge of classes in the campus schools or in affiliated schools, make and submit lesson plans, meet with critics for conference and criticism, prepare comprehensive reports on the work undertaken during the term and perform such other duties as may be assigned. Prerequisite: Primary Illustrative Teaching, and 10 hours of psychology and education. Open to sophomores, juniors, and seniors.

V. Kindergarten Theory for Primary Teachers—2 hours. Credit only on the primary teacher curriculum. Observation and discussion of such kindergarten work as is especially important for teachers in primary grades. Four periods a week. Prerequisite: 15 hours of psychology and education. Open to sophomores, juniors, and seniors.

* If a student has completed a two-year curriculum requiring 10 hours of teaching, 5 additional hours of teaching is required in the senior year of a degree curriculum, unless the student is released from this requirement by the head of the department of teaching. Critics in training are permitted to register for the additional 5 hours of teaching in the junior year.

** Only 10 hours of credit in Primary Teaching may be counted toward graduation from a degree curriculum with a major other than primary education.
VI. Activities of Early Childhood—3 hours. Credit only on the kindergarten and nursery school curriculum. A study of child life in its physical, mental, and social aspects through observation in the kindergarten and nursery school. Lectures, references, and class discussions. Daily. Open to freshmen and sophomores.


VIII. Supervised Observation in the Kindergarten and Nursery School—2 hours. Credit only on the kindergarten and nursery school curriculum. Rhymes, songs, plays, and games for children from two to six years of age. Children’s literature with emphasis on the selection and presentation of poems and stories. Daily. Open to freshmen and sophomores.

IX. *Kindergarten and Nursery School Teaching—15 hours. Students take charge of kindergarten and nursery school work in the campus schools or in affiliated schools, meet with critics for conferences and criticism, prepare comprehensive reports on the work undertaken, and perform such other duties as may be assigned. Prerequisite: 10 hours of psychology and education, and courses VI, VII, and VIII above. Open to sophomores, juniors, and seniors.

X. **Critic Training—15 hours. Six terms of training under the supervision of the department of teaching. Prerequisite: two years of college credit. Students are selected for this work by the department of teaching. Open to juniors and seniors.

Notes

1. The major in critic training may include Critic Training, Teaching, and courses in education and rural education.

2. A student who has completed a two-year collegiate curriculum or the equivalent and who has been selected by the department of teaching as a critic in training may receive a department certificate in critic teaching on the completion of six terms of service in the department of teaching and the completion of the requirements for a degree.

3. A student who has received a bachelor’s degree from a standard collegiate institution and has been selected as a critic in training may substitute 11, 22, or 33 weeks of graduate study at a standard graduate school for one, two, or three terms of required critic training work in securing the department certificate in critic teaching.

4. A student who has completed the primary or the kindergarten and nursery school teacher curriculum and who has chosen a major other than primary or kindergarten and nursery school education is required to take 5 additional hours of teaching in the senior year, unless released from this requirement by the head of the department of teaching.

* Only 10 hours of credit in Kindergarten and Nursery School Teaching may be counted toward graduation from a degree curriculum with a major other than kindergarten and nursery school education.

** A student who is taking Critic Training is permitted to carry 5 hours of college work each term. Students taking this work are employed as teachers in the campus schools or in affiliated schools and are selected for this service by the department of teaching. For further particulars consult the head of the department of teaching.
EXTENSION SERVICE

The extension service of the Iowa State Teachers College includes three major phases of activity: schools service, extension class work, and correspondence work.

**Schools Service**

Schools service is organized to offer assistance to teachers, supervisors, principals, superintendents, and boards of education.

Specialized service is offered to city and county superintendents, to teachers of rural and consolidated schools, and to students, critics, and superintendents in normal training high schools.

Schools service is offered in the various elementary school subjects, particularly in arithmetic, geography, reading, language, and history; in standard and objective testing; in play day pageantry or May fetes; in the classification and arrangement of museum and natural history exhibits; in the organization and conduct of rural school county choirs, and of band, orchestral, and music festivals; in preparation for speech contests, and in the holding of county school board conferences. Classroom service is usually offered on days when the schools are regularly in session. The extension specialist assigned to the work assists teachers and administrators in the solution of the problems presented. In cases where it is desirable and practicable, groups of teachers may be assembled at times outside the regular school hours or on Saturdays for conference with the extension specialist concerning the problems under consideration. Occasionally, by consent of the boards of education, schools may be closed for part of the day, in order to make possible such conferences. The effort is made to base the work presented in all group meetings of teachers directly upon schools service previously conducted.

**Extension Credit Work**

Extension credit work consists of two types: extension class work and correspondence work. For each of these types of service a standard fee of $3 per term hour of credit is charged for each course. Certain general regulations adopted by the faculty are common to both types of extension credit work.

a. General Regulations

No student may be registered for extension credit work who is registered for residence work in this institution or for credit work of any kind in any other institution. No student may be registered for more than 15 term hours of extension credit work in any one calendar year.

No student may earn more than 5 term hours of extension credit in any one term.

Five-hour courses shall not be completed by extension work in less than twelve weeks. Two-hour and three-hour courses shall not be completed in less than five weeks and eight weeks respectively.

Not more than one-fourth of the credit required for the completion of any curriculum may be earned by other than residence work.

The principles approved for marks and credits in residence work shall be followed in extension credit work.

b. Extension Class Work

Only those students who fully meet college entrance requirements may receive college credit for extension class work. Other students,
especially teachers in service, twenty-one years of age or over, who
do not fully meet college entrance requirements may be admitted to
such classes as special students. Any student may be admitted to an
extension class on the non-credit basis.

For each term hour of credit, an extension class shall receive not less
than ten clock hours of actual class instruction. No extension class shall
be allowed to exceed five hours of class instruction a week.

Courses Approved for Extension Class Work

The courses in the following list have been approved by the extension
council to be offered in extension classes in 1931-32. Each course
listed is described as to content, prerequisites, and classification limits
in the departmental statements of courses of instruction.

<table>
<thead>
<tr>
<th>ART</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Drawing I</td>
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<tr>
<td>General Design</td>
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<tr>
<td>Advanced Design</td>
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</tr>
<tr>
<td>Applied Arts I</td>
<td>3</td>
</tr>
<tr>
<td>Commercial Illustration</td>
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<tr>
<td>Art Appreciation</td>
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<tr>
<td>Interior Decoration</td>
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<table>
<thead>
<tr>
<th>COMMERCIAL EDUCATION</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Accounting I</td>
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<tr>
<td>Accounting II</td>
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<tr>
<td>Accounting III</td>
<td>5</td>
</tr>
<tr>
<td>Commercial Law I</td>
<td>5</td>
</tr>
<tr>
<td>Advertising</td>
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<tr>
<td>Commercial Correspondence</td>
<td>5</td>
</tr>
<tr>
<td>Salesmanship</td>
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<td>History of Commerce</td>
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<table>
<thead>
<tr>
<th>ECONOMICS</th>
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<tbody>
<tr>
<td>Principles of Economics I</td>
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</tr>
<tr>
<td>Money and Banking</td>
<td>5</td>
</tr>
<tr>
<td>Corporation Finance and Investments</td>
<td>5</td>
</tr>
<tr>
<td>General Sociology</td>
<td>5</td>
</tr>
<tr>
<td>Social Problems</td>
<td>2</td>
</tr>
<tr>
<td>Labor Problems</td>
<td>3</td>
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<td>The Family</td>
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<table>
<thead>
<tr>
<th>EDUCATION</th>
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<tbody>
<tr>
<td>Elementary School Methods</td>
<td>5</td>
</tr>
<tr>
<td>Primary Methods in Reading and Mathematics</td>
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</tr>
<tr>
<td>Primary Methods in Language and Literature</td>
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</tr>
<tr>
<td>Elementary Tests and Measurements</td>
<td>5</td>
</tr>
<tr>
<td>Teaching Techniques</td>
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<tr>
<td>Elementary School Supervision</td>
<td>5</td>
</tr>
<tr>
<td>Mental Tests</td>
<td>2</td>
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<tr>
<td>Educational Tests and Measurements for High School Teachers</td>
<td>5</td>
</tr>
<tr>
<td>History of Education</td>
<td>5</td>
</tr>
<tr>
<td>History and Principles of Secondary Education</td>
<td>5</td>
</tr>
<tr>
<td>Elementary Schoolroom Procedure</td>
<td>5</td>
</tr>
<tr>
<td>Problems of Grade Teachers</td>
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<td>Elementary School Curriculum</td>
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# English

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>English I</td>
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<tr>
<td>Elements of Literature</td>
<td>5</td>
</tr>
<tr>
<td>American Prose Writers</td>
<td>2</td>
</tr>
<tr>
<td>Chief American Poets</td>
<td>3</td>
</tr>
<tr>
<td>Recent American Prose Writers</td>
<td>3</td>
</tr>
<tr>
<td>Recent American Poets</td>
<td>2</td>
</tr>
<tr>
<td>Victorian Prose</td>
<td>2 or 3</td>
</tr>
<tr>
<td>Victorian Poetry</td>
<td>3</td>
</tr>
<tr>
<td>Recent English Poets</td>
<td>2</td>
</tr>
<tr>
<td>Recent English Prose Writers</td>
<td>3</td>
</tr>
<tr>
<td>Shakespeare</td>
<td>5</td>
</tr>
<tr>
<td>The English Romantic Movement</td>
<td>5</td>
</tr>
<tr>
<td>Modern European Drama</td>
<td>3</td>
</tr>
<tr>
<td>Methods in Language and Grammar</td>
<td>2</td>
</tr>
<tr>
<td>Public Speaking</td>
<td>5</td>
</tr>
<tr>
<td>Methods in Reading and Literature</td>
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# German

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>German I</td>
<td>5</td>
</tr>
<tr>
<td>German II</td>
<td>5</td>
</tr>
<tr>
<td>German III, Short Stories</td>
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# Government

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>American Government</td>
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<tr>
<td>Modern European Governments</td>
<td>3</td>
</tr>
<tr>
<td>Local Government and Problems</td>
<td>2</td>
</tr>
<tr>
<td>Political Parties and Leaders</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Political Science</td>
<td>3</td>
</tr>
<tr>
<td>American Constitutional History</td>
<td>5</td>
</tr>
<tr>
<td>State Government and Administration</td>
<td>3</td>
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<tr>
<td>American Political Theories</td>
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# History

<table>
<thead>
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<th>Course</th>
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<tbody>
<tr>
<td>European History I</td>
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<td>European History II</td>
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<td>European History III</td>
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<td>English History I</td>
<td>5</td>
</tr>
<tr>
<td>American History I</td>
<td>5</td>
</tr>
<tr>
<td>American History II</td>
<td>5</td>
</tr>
<tr>
<td>Diplomatic History of the United States</td>
<td>5</td>
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<tr>
<td>History of Iowa</td>
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</tbody>
</table>

# Home Economics

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>House Planning</td>
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<tr>
<td>House Furnishing and Decoration</td>
<td>3</td>
</tr>
<tr>
<td>Home and Community Hygiene</td>
<td>3</td>
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<tr>
<td>Home Nursing</td>
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# Latin

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Elementary Latin I, II, III, each</td>
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<tr>
<td>Latin IV, V, Cicero's Orations I, II, each</td>
<td>5</td>
</tr>
<tr>
<td>Latin VI, Ovid</td>
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<tr>
<td>Latin VII, VIII, Vergil I, II, each</td>
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### MATHEMATICS

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Mathematics I</td>
<td>5</td>
</tr>
<tr>
<td>Theoretical Mechanics (a) Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Elementary Mathematics</td>
<td>5</td>
</tr>
<tr>
<td>Mathematics III</td>
<td>5</td>
</tr>
<tr>
<td>Calculus I</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics of Finance</td>
<td>3</td>
</tr>
<tr>
<td>Statistical Measurement</td>
<td>3</td>
</tr>
<tr>
<td>Modern Geometry (a) Projective Geometry</td>
<td>3</td>
</tr>
<tr>
<td>(b) Advanced Euclidian Geometry</td>
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### NATURAL SCIENCE

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Animal Biology</td>
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<tr>
<td>Heredity</td>
<td>3</td>
</tr>
<tr>
<td>Astronomy</td>
<td>5</td>
</tr>
<tr>
<td>Elements of Geography I</td>
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### PSYCHOLOGY

<table>
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<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
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</tr>
<tr>
<td>Child Psychology</td>
<td>5</td>
</tr>
<tr>
<td>Educational Psychology</td>
<td>5</td>
</tr>
<tr>
<td>Genetic Psychology</td>
<td>5</td>
</tr>
<tr>
<td>Social Psychology</td>
<td>5</td>
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<tr>
<td>Educational Psychology for High School Teachers</td>
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### ROMANCE LANGUAGES

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>French I</td>
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<tr>
<td>French II</td>
<td>5</td>
</tr>
<tr>
<td>French III</td>
<td>5</td>
</tr>
<tr>
<td>Spanish I</td>
<td>5</td>
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<tr>
<td>Spanish II</td>
<td>5</td>
</tr>
<tr>
<td>Spanish III</td>
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### RURAL EDUCATION

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Consolidated School and Country Life</td>
<td>5</td>
</tr>
</tbody>
</table>

**c. Correspondence Work**

No student may be registered for correspondence work unless he has fulfilled all requirements for college entrance and has in addition earned at least one full year of college credit, except that with the permission of the extension council mature and experienced teachers may register for correspondence work without a full year of college credit.

No student who has been a resident student in the Iowa State Teachers College and who has earned an average of less than 1.75 times as many grade points as hours of credit may be registered for correspondence work.

If a student has not been in residence at the Iowa State Teachers College he may not be registered for correspondence work unless he has maintained in the institution or institutions from which his credits are presented a standard of scholarship equivalent to the standard set for

* See also General Regulations, page 101.
students who have been in residence at the Iowa State Teachers College. Not less than two written lessons for each term hour of credit to be earned are required from each student registered for correspondence work. A written examination shall be required for credit in each correspondence course. This examination shall represent fairly the scope of the course. All correspondence courses shall be completed within one calendar year from the date of registration. If, however, a student who is registered for correspondence work registers for residence work within one calendar year from the date of his registration for correspondence work, he shall be entitled to continue his correspondence work at the close of his residence work until the time devoted by him to his correspondence work shall total twelve months. After a student has registered for correspondence work, all communications between the instructor and the student concerning the work must pass through the hands of the director of the extension division. A student who has earned partial credit in any course in residence shall not be allowed to complete such course by correspondence study.

Courses approved for Correspondence Work

The courses in the following list have been approved by the extension council to be offered for correspondence study in 1931-1932. Each course listed is described as to content, prerequisites, and classification limits in the departmental statements of courses of instruction.

ART

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>History of Art</td>
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COMMERCIAL EDUCATION

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<td>The Teaching of Commercial Subjects</td>
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<td>History of Commerce</td>
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<td>Shorthand II</td>
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EDUCATION AND PSYCHOLOGY

<table>
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<td>Psychology I</td>
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<td>Child Psychology</td>
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<td>Educational Psychology for High School Teachers</td>
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<td>Elementary School Methods</td>
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<td>Elementary Tests and Measurements</td>
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<td>History of Primary Education</td>
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<td>History of Education</td>
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<td>History of American Education</td>
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<td>History and Principles of Secondary Education</td>
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<td>Logic</td>
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<td>American Prose Writers</td>
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<td>Chief American Poets</td>
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<td>Shakespeare</td>
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<td>History of the English Novel</td>
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<td>German IV, Historical Prose</td>
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<td>German V, Schiller's Dramas</td>
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<td>German X, Composition and Advanced Grammar</td>
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<td><strong>GOVERNMENT AND ECONOMICS</strong></td>
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<td>Local Government and Problems</td>
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<td>School Laws of Iowa</td>
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<td>Principles of Economics I</td>
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<td>Money and Banking</td>
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<td>Crime and Poverty</td>
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<td>Textiles</td>
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<td>House Planning</td>
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<td>House Furnishing and Decoration</td>
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<td>Home and Community Hygiene</td>
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<td>Home Nursing</td>
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### MATHEMATICS

<table>
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<td>Mathematics I</td>
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<tr>
<td>Principles of Elementary Mathematics</td>
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<td>The Teaching of Secondary Mathematics</td>
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<td>History of Mathematics</td>
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<tr>
<td>Theoretical Mechanics (a) Dynamics</td>
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<td>Calculus I</td>
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<tr>
<td>Modern Geometry (a) Projective Geometry</td>
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<td>Modern Geometry (b) Advanced Euclidian Geometry</td>
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### MUSIC

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<td>History of Music I</td>
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### NATURAL SCIENCE

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<th>Course</th>
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<tr>
<td>Feeds and Feeding</td>
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<td>Principles of Breeding</td>
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<td>Soil Fertility</td>
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<td>Farm Management</td>
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<td>Marketing Agricultural Products</td>
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### ROMANCE LANGUAGES

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<tr>
<td>French IV (a) Reading</td>
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<td>French V (a) Advanced Reading</td>
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<td>French VI (a) Advanced Rapid Reading</td>
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<td>French VII (a), VIII (a), IX (a), French Literature of the 19th Century, each</td>
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<td>French X, XI, XII, French Literature of the 17th and 18th Centuries, each</td>
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<td>French XIII, Victor Hugo</td>
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<td>French XIV, Edmond Rostand</td>
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<td>French XV, Pierre Loti</td>
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<td>Spanish IV (a) Advanced Reading</td>
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### RURAL EDUCATION

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<td>The Consolidated School and Country Life</td>
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<tr>
<td>Consolidated School Administration</td>
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</table>

All correspondence with reference to extension work should be addressed to the director of extension.
GRADUATES FOR YEAR 1930

With the Work and Location During the School Year 1930-31

DEGREES, DIPLOMAS, AND CERTIFICATES CONFERRED
MARCH, 1930

Master of Didactics Degree

Kadesch, Mary Barnum ........................................ Cedar Falls
Cedar Falls. 1803 Clay St.

Bachelor of Arts in Education Degree

Anderson, Gretchen Horne ...................................... Cedar Falls
Student, State University of Iowa, Iowa City. 15 E. Harrison St.

Bechter, L. Tarana Pearl ........................................ Independence
Principals, Athletics, English, High School, Minden.

Bixler, Milo E. .................................................. Clarence
Research Chemist, Dayton, Ohio. 152 East Parkwood Drive.

Crawford, Dwight Ellis .......................................... Gladbrook

Curtiss, Lucy Alice ............................................. Corning

Gable, Virginia Avery ............................................. Waterloo

Howell, John Wilbur ............................................... Charles City
Farming, Charles City.

Hunter, Helen H. ................................................ Ottumwa
Rural School, Whitefish, Montana.

Lebow, Bessie B. .................................................. Riceville
English and Latin, Ireton.

Maynard, Mrs. Genevieve ...................................... Marshalltown

O'Mara, Caroline E. ............................................. Colfax
Normal Training, Hawk Springs, Wyoming.

Redenius, John .................................................. Britt

Sheehan, Grace Catharine ........................................ Ottumwa
Ottumwa. 107 S. Ash St.

Stanzel, Florence Mildred ...................................... Humboldt
Mrs. Lowell R. Laudon. Student, Tulsa Univ., Tulsa, Okla. 801 S. College Ave.

Sturm, Pearl Frances ............................................. West Union
English and Dramatics, Royal.

Wise, Iona E. ..................................................... Dallas Center
Second Grade, Manilla.

Ziemer, Leland H. ................................................ Cedar Falls

Ziemer, Marvyl ................................................... Cedar Falls
English, Grades and High School, Rutland.

Bachelor of Science in Education Degree

Brezo, Mary Viola ................................................ Orient

Crum, Charlotte May ............................................. Riceville

Little, Eva Mae .................................................. Humboldt

Sabin, Alfred D. .................................................. Newton
Manual Arts and Assistant Coach, Bedford.

Schlampp, Tarana Pearl ......................................... Ackley
Home Economics and English, Grand Mound.

Public School Music Education Diploma

Brown, Barbara Jean ............................................. Cedar Falls
Music and Mathematics, High School, Beaman.

Johnson, Margaret D. ........................................... Cedar Falls

Whittle, Helen G. ................................................ Waterloo
Music Supervisor, New Hampton.
GRADUATES FOR YEAR 1930

Commercial Education Diploma

Geskin, Edith J. ......................................................... Ossian
Griggs, Marcia Elaine .............................................. Cedar Falls
Student, Iowa State Teachers College, Cedar Falls. 2621 Walnut St.

Manual Arts Education Diploma

Dillon, Loren P. ....................................................... Cedar Falls
Teacher, High School, Davenport. 2527 East St.

Home Economics Education Diploma

Baral, Lilian ............................................................ Waterloo
Palmer, Erma Veone .................................................. Charles City
Teacher, Junior High and High School, Peterson.

Elementary Education Diploma—For Teachers in the Upper Grades

Lenz, Evelyn C. ....................................................... Lansing
Rural School, Lansing.
Moser, Alice F. ........................................................... Conway
Muirley, Margaret K. ................................................. Winthrop
McIntosh, Myrtle Goldie .............................................. Atlantic
Standard Rural School, Griswold.
Schmehl, Mathilda D. ................................................. Schleswig
Sixth Grade, Brooklyn.
Stewart, Martha Mary ................................................ Oelwein
Seventh and Eighth Grades, Hazleton.
Ulansvang, Gulla ...................................................... Estherville
Teacher, Junior High School, Mitchell, S. D. 539 S. Wis. St.
Ulsted, Addie M. .......................................................... Traer
Fifth Grade, Reinbeck.
Willey, Lillie ............................................................ Moorhead
Eighth Grade, Pisgah.
Wiltsey, Helen B. .......................................................... Chariton
Chariton.
Wright, J. R. Jr. .......................................................... Audubon
Principal, Junior High School, Early.
Young, Gertrude B. ..................................................... Havelock
6A and 7B Grades, Hawthorne School, Waterloo. 200 Independence Ave.

Elementary Education Diploma—For Teachers in the Intermediate Grades

Barber, Marie K. ....................................................... Ionia
Teacher, Junior High School, Rippey.
Becker, Mary E. .......................................................... Traer
Fourth Grade, Vinton.
Foard, Grace Marie ................................................... Arthur
Sixth Grade, Scranton.
Hart, M. Regenia ........................................................ Davenport
Fourth Grade, Davenport. 210 East 17th St.
Holden, Amy Amelia .................................................. Manly
Loe, Lucile Edwin ..................................................... Sioux City
Fifth Grade, Gowrie.
Polish, Katherine L. .................................................... Madrid
Girls Basketball Coach and Fifth Grade, Huxley.
Walker, Margaret Elizabeth .......................................... Riceville
Student, University of Minnesota, Minneapolis, Minn. 219 Harvard St.
Weber, Mae H. ........................................................... Riceville
Rural School, Riceville.

Primary Education Diploma

Kramer, Phyllis Marie .................................................. Garnavillo
Student, National College of Education, Evanston, Ill. 2614 Thayer St.
Layton, Mabel M. ...................................................... Waterloo
Grade Teacher, Guernsey.
Peterson, Alice M. ...................................................... Marshalltown
Third and Fourth Grades, Webb
Putnam, Louise Margaret ............................................. First and Second Grades, Deep River.
Reynolds, Helen Joan ........................................................... Gilbert
First Grade, Gilbert.
Schultheis, Sabrina C. ......................................................... Clinton
Rural School, Clinton. 201 N. 5th St.
Wells, Hester E. ................................................................. Preston
First Grade, Calamus.

Kindergarten Education Diploma
Meade, Helen Pauline ............................................................ Marshalltown

Rural Teaching Diploma
Arney, Alice F. ................................................................. Marshalltown
Rural School, Marshalltown. Route 1.
Bergner, Delia F. ............................................................... Remsen
Draper, Lillian L. ............................................................... Eldora
Rural School, Eldora.
Harryman, Mary M. ........................................................... Douds
Grade Teacher, Birmingham.
Juhl, Christalle Marie ......................................................... Thornton
Rural School, Joice.
McIsaac, Emma Darleen ....................................................... Rockwell City
Rural School, Rockwell City.
Nieland, Lester C. .............................................................. Blairstown
Rural School, Blairstown.
Wisgerhof, Viola ................................................................. Laurel
Rural School, Laurel.

JUNE, 1930

Bachelor of Arts in Education Degree
Alexander, Christine ............................................................ Lancaster, Missouri
History and Geography in Elem. Grades, Des Moines. 669 36th St.
Bacon, Vera Josephine ........................................................ Hopkinton
Barnes, Douglas ................................................................. Cedar Falls
Part-time Secretary, Y.M.C.A., Iowa State Teachers College, Cedar Falls.
1931 Clay St.
Barnhart, Lona Cordelle ....................................................... Bloomfield
Junior High English, Waterloo. 921 South St.
Barnum, Verlina H. .............................................................. Saint Olaf
Principal, Thorburn.
Berg, Alva B. ..................................................................... Eagle Grove
Third Grade, Waterloo. 927 West Park.
Block, Arthur R. ................................................................. Lawler
Agriculture and Manual Arts, High School, Hartley.
Bodenham, Ruth B. ............................................................... Riceville
Critic, Fourth Grade, Lincoln Building, Waterloo. 305 Baltimore St.
Boyd, Alice V. .................................................................... Sioux City
Sioux City, 908 Dubuque St.
Boyd, Ruth Madaline ........................................................... Ottumwa
Brady, Vivian Ann .............................................................. Ottumwa
250 N. Davis St.
Brockus, Blanche ............................................................... Waterloo
Mathematics, Junior High School, Forest City.
Brown, Florence Ethel .......................................................... Keokuk
Critic Teacher, Fourth Grade, Waterloo. 305 Baltimore St.
Brown, Mary Helen ............................................................. Cedar Falls
Sixth, Seventh, and Eighth Grades, St. Monica's School for Girls, Des Moines.
1011 Park Ave.
Callaway, Bertha M. ............................................................ Whitten
Rural School, Whitten.
Carel, Fern M. ................................................................. Le Mars
Carstensen, Ruth S. ............................................................. Preston
English, High School, Roland.
Coder, M. Elizabeth ........................................................... Muscatine
English and Music, Junior High School, Newton. 413 1st St. So.
GRADUATES FOR YEAR 1930

Cole, Frances A. .................................................. Ames
Home Economics and Physical Education, Adel.
Compton, Esther L. .............................................. Earlham
Physical Education, Oskaloosa.
Corey, Anna Belle ............................................... Fort Dodge
First Grade, Collins.
Cornick, Margery Dec ........................................... West Burlington
Student, College of Commerce, West Burlington.
Curtis, Helen C. .................................................. Cedar Falls
Girl Reservist, Y.W.C.A. Janesville, Wis.
Davidson, Isabel .................................................. Stanwood
Student, Cedar Rapids Business College, Cedar Rapids, Iowa. 105 Fourth Ave. E.
Deck, Emma Lucile ............................................... Marshalltown
Geography, Junior High, Audubon. 407 First Ave.
Dillon, Byron E. .................................................. Cedar Falls
Principal, Mathematics and Physics, Farrar.
Doerrig, Alvin Ed. .................................................. Luana
Dougherty, Martha Louise ................................. Waterloo
Latin, Ironwood, Michigan.
Dovey, Irma .......................................................... Hansell
Art and Third Grade, Essex.
Duea, Benjamin E. ............................................... Roland
Coach, Valley Junction. 626 8th St.
Dunahoo, C. Vern ............................................... Maxwell
Physics, Agriculture, Physical Training, History, Debate Coach, Tripoli.
Eells, Ruth Lenore ............................................... Cedar Falls
Second Grade, Cherokee. 315 Fountain St.
Enlow, Lillian Marie ............................................... Cedar Falls
Evans, Eleanor R. .............................................. Lime Springs
Music Supervisor, Montezuma.
Everhart, Mrs. Frank M. ...................................... Cedar Falls
Foffel, Elsie Mary ............................................... Lamont
Lamont.
Forbes, Alice Eleanor .......................................... Waterloo
First Grade, Riverside, Calif. 4044 Bandini Ave.
Freeman, Irene ................................................... Cedar Falls
English and Speech, Miles.
Gaddis, Reginald .................................................. Cedar Falls
Mathematics, Physics, Music, Boxholm.
Gauger, Mabel G. .................................................. Floyd
Science, Junior High School, Newton. 304 E. 4th St. N.
Gibson, Deone ..................................................... Hampton
Physical Education, Elkader.
Gorsuch, Margaret L. ............................................ Green Mountain
Departmental Work, Green Mountain.
Granner, Harold M. ............................................... Paton
Mathematics, High School, Ledyard.
Grannis, Mildred Carol ........................................... Oelwein
Oelwein. 806 First Ave.
Gregory, Addie Lee ................................................ Cedar Falls
Opportunity Room, Waterloo. 414 Fowler St.
Gregory, Avis Mary ............................................... Waterloo
Waterloo. 1720 Franklin St.
Grissier, Catharine J. ............................................ Jefferson
Social Science, Newhall.
Grissier, Gertrude Jean ............................................ Jefferson
Physical Education, High School, Jefferson.
Hansen, Ruth L. ................................................... Waterloo
Music Supervisor, Webster City.
Hayes, John M. ................................................... Shellsburg
Principal and Coach, LaMoille.
Howard, Ethel Emily ............................................... Waterloo
Fourth Grade, Elgin, Ill. 106 N. Spring.
Huber, Ruth ........................................................ Cedar Falls
Physical Education, Richmond, Ind. 1316 S. B. St.
Jennings, Naida Evelyn ........................................... Janesville
English, High School, Randolph.
Jensen, Harald .................................................... Cedar Falls
Mathematics and Science, High School, Vinton.
Johnston, Carsten T. ............................................. Waterloo
Mathematics, High School, Radicliffe.
Kelley, Harry E. ................................................... Manchester
Student, Iowa State Teachers College, Cedar Falls. 2301 College St.
Kendall, Margaret M. ............................................. Janesville
King, Doris Louise ................................................. Ferguson
Mathematics, High School, Ferguson.
Kleist, Myrtle Marie ............................................... La Porte City
Public School Music, Miles.
Knoer, Miriam Ruth .................................................. Dunkerton
English and Dramatics, High School.
Koch, Vera M. .................................................................. Scotland, S. D.
Art and English, Junior High School, Newton. 304 E. 4th St. N.
Krieg, Frank E. ................................................................ Volga City
Cashier, Insurance Company, Waterloo.
Laughlin, Naoma ...................................................... Le Mars
Le Mars.
Larrson, Kathryn ....................................................... Mitchell, S. D.
Lattin, Katherine ....................................................... Humboldt
Humboldt.
Legg, Lenora M. ......................................................... Sigourney
Physical Education, High School and Junior College, Independence.
Lepper, Esther Lucille ................................................ Fairfield
English, Dramatics, and Public Speaking, Brandon.
Lynch, Florentine ....................................................... Cedar Falls
Instrumental Music, Commercial Teacher, Monmouth, Ill. 522 E. Third Ave.
Marina, Mary Ruth ..................................................... Waterloo
Public Library, Waterloo. 2723 E. 4th.
Martin, Florentine ..................................................... Hawkeye
Mason, Laura A. ......................................................... Marshall.
Mason, Mildred Erma .................................................. Esterville
Mathematics, Junior High School, Waverly, 501 W. Bremer Ave.
Maxson, Wilbur B. ..................................................... Marble Rock
Principal and Science, Alexander.
Maxwell, M. Dorothy ................................................ Epworth
Music, Mallard.
Medberry, Charles Max ............................................... Elgin
Meyer, Harvey Jason .................................................. Waterloo
Commercial Teacher, High School, Detroit, Mich. 1153 Burlingame.
Meyers, Denya Pearl ................................................ Colorado Springs, Colo.
Music Supervisor, Hayden, Colo.
Mikkelsen, Helga ....................................................... Riceville
Miles, Laura A. ............................................................ Waterloo
Munson, Wilbur B. ..................................................... Waterloo. 802 Hammond Ave.
Mrs. J. M. Frost, Waterloo. 82 Franklin St.
Moothart, Florence Marie .......................................... Waterloo
Teacher, High School, Webster.
Moritz, Lois M. ......................................................... Waterloo
Waterloo. 802 Hammond Ave.
Morrissey, William Patrick ........................................ Coggon
Coggon.
Munn, Alta Marjory .................................................. Sioux Falls, S. D.
Grad. 1A, Jefferson School, West Allis, Wis. 604 72nd Ave.
Murley, Edna Cory ..................................................... Winthrop
Winthrop.
McElroy, Lucile Mary ............................................... Clare
Music and Social Science, Ottumwa Heights College, Ottumwa.
Newman, George E. .................................................. Cedar Falls
Nissen, Esther J. ........................................................ Cedar Falls
Graduate Student, University of Illinois, Urbana, Ill. 107 N. Busey.
Noecker, Norbert L. .................................................. Prosper, Minn.
Norgard, Emma Berthine ............................................ Spring Grove, Minn.
Nutt, Margaret E. ...................................................... Des Moines
Commercial Teacher, Lake City.
Oldham, Kathleen ..................................................... Cedar Falls
Olson, Lawrence ......................................................... Roland
Roland.
Ottale, Thomas ....................................................... Des Moines
Mathematics and Coaching, Highland, Wis.
Partington, Russel O. ............................................... Columbus Junction
History, Junior High, Cedar Falls.
Peak, Phillip L. ....................................................... Estherville
Peterson, Clifford C. ................................................ Emerson
Principal and Athletic Director, High School, Elliott.
Platz, Russell Herbert ................................................ Waverly
Public School Music and Band, Greeley.
Rader, Pearl Marie .................................................. Newton
GRADUATES FOR YEAR 1930

Ramsey, Kathyrne W. ........................................ Newton
New ton, 411 North Third Ave. East.

Rehder, Herbert Wilbur ..................................... Waterloo
Waterloo, Route 3.

Rose, Katherine W. ........................................ Moline, Ill.
Art, Junior High School, Webster Groves, Mo. 721 Fairview.

Rosenberger, Ruth Adele ..................................... Independence
Music, Elkader.

Roskofz, Evelyn Marie ...................................... Webster City
Music, Moorcroft, Wyo.

Royer, Zillah Mae ........................................... Coon Rapids
Schmidt, Esther L. ........................................... Waterloo
Schneider, Gody M ........................................... Ocheyedan

Schwyhart, Robert Marion ................................. Grundy Center
Student, Southern Baptist Theological Seminary, Louisville, Ky.

Shaw, Helen Genevieve ............................... Webster City
Teacher, Webster City.

Shutt, Charley C. ........................................... Cedar Falls
Science, High School, Marion.

Silver, Grant Mason ......................................... Waterloo
Soukup, Lillian Virginia ................................ Minneapolis, Minn.
Public School Music, Oxford Junction.

Sprague, Eugene A. ........................................ Storm Lake

Stover, Harry L. ............................................. Swaledale
Senior High School, Oelwein. 627 N. Frederick.

Strong, Maria H. ........................................... Hawarden
Rural School, Hawarden.

Taylor, Verda L. ............................................ Pierson
Music and Dramatics, Newton. 322 N. 8th Ave. E.

Thompson, Ira M. .......................................... Irene, S. D.

Underkofer, Audry .......................................... Britt
Director, Physical Education, Newton.

Van Dyke, Frances ......................................... Cedar Falls
Music Supervisor, Rippey.

Van Vleet, Mary E. .......................................... Orient

Vibbert, Alice ............................................... Montezuma
Critic in Training, Iowa State Teachers College, Cedar Falls. 1225 W. 20th St.

White, Ferne L. Bowen .................................... Cedar Falls
Science, High School, Marion.

Whittle, Helen Grace ...................................... Waterloo
Music Supervisor, Grades and High School, New Hampton.

Wiebe, Hazel M. ............................................. Eldridge
Music, Massena.

Wiese, Myrtle Irene ...................................... Eldridge
Mathematics and History, High School, Henderson.

Wiler, Mary Ellen .......................................... Cedar Falls
Third Grade, Aklis.

Willard, E. Lloyd ........................................ Cedar Falls
Newspaper Work, Waterloo. 916 Clay St., Cedar Falls.

Williams, C. J. Dwight ................................ Delta
Assistant Supervisor, Hosiery Company, East Lansing, Mich. 133 Center St.

Williams, Thelma S ....................................... Pleasantville
Speech, English, High School, Pleasantville.

Winter, Dayton H. ........................................ Independence
With Instrument Company, Independence.

Woober, Ada Mae .......................................... Grundy Center
Social Science, High School, Ames. 617 6th St.

Woodside, Helen E. ...................................... New London
Physical Education, Mediapolis.

Yessler, Dorothy B. ....................................... Cedar Rapids
First Grade, El Centro, California.

Zickefoose, Samuel R .................................. Crawfordsville
High School, Rolfe.

Bachelor of Science in Education Degree

Albert, Irene R ........................................... Reinbeck
Commercial Teacher, Aplington.

Andrec, Emma ............................................. Arlington
Home Economics, Oran.
Baker, Clarence W. .................................................. Grand River
Office Manager, Municipal Water, Gas and Electric Co., Cedar Falls. City
Engineers Office.
Beauchamp, Brumby Kenneth .......................................... Winfield
Teacher and Coach, Dodge Center, Minn.
Boyer, C. Lynn .......................................................... Des Moines
Coaching, Williams.
Brom, Raymond .......................................................... Pella
Brown, Clark Hart ....................................................... Cedar Falls
Manual Arts, Muscatine. 316 Pine St.
Burley, M. C. ............................................................. Harris
Carver, Lowell ............................................................ Collins
Coaching, Wellman.
Clark, Margaret Anne ................................................... Cedar Falls
Commercial Teacher, Exline.
Cole, Mary Alice ......................................................... East Pleasant Plain
Ancient History and Commercial Teacher, Ipava, Ill.
Corse, Carmen Charles .................................................. Chicago, Ill.
Clerk, Bureau of Engineers, City Hall, Chicago, Ill. Room 402, City Hall.
Duvall, Grace C. ........................................................... West Chester
Teacher, High School, Hartsburg, Illinois.
Everhart, Frank M. ...................................................... Cedar Falls
Manual Arts and Science, Fontanelle.
Gardner, Bertha M. ....................................................... Osage
Home Economics, West Plains.
Gordon, J. Glenn .......................................................... Vinton
History and Assistant Coach, Hampton.
Hansen, Eric P. ........................................................... Ringsted
Commercial Teacher, New Sharon.
Huber, E. Kemper ......................................................... Cedar Falls
Drug Clerk, Cedar Falls. 2416 Olive St.
Hayek, Harlan W. ......................................................... Grundy Center
Independent Oil Business, Toledo. 103 N. County Road.
Jackson, Thomas Francis ............................................... Bagley
James, Howard William ............................................... Woodbine
Athletic Coach, Tracy.
Keidel, Wilbur Edward .................................................. Cedar Falls
Band and Orchestra, Clarksville. Box 149.
Kellogg, Bernice S. ....................................................... Cedar Falls
Home Economics, Harlem, Montana.
Kincely, Albert L. ......................................................... Greene
Luke, Redmond Francis .................................................. Hampton
Madsen, Louise K. ......................................................... Belmond
Manship, Raymond G. .................................................... Le Grand
Principal, Newhall.
Mease, Clyde D. .......................................................... Garrison
High School Teacher and Asst Coach, Pocahontas.
McCuskey, David H. ...................................................... Woodbine
McRae, Gay ............................................................... Cedar Falls
Coach, Marcus.
Octave, Louis P. .......................................................... Des Moines
Principal, Mystic.
Palmer, Donald D. ......................................................... Albion
Principal and Coach, Green Mountain.
Pillow, Clara May .......................................................... Warren, Ill.
Commercial Teacher, Monticello.
Ravlin, Eldon Dale ........................................................ Nora Springs
Manual Arts, Glenwood.
Reals, Cecil Leon .......................................................... Rockford
Coach and Agriculture, Boxholm.
Rhatigan, Clarence Albert ................................................. Monticello
Railroad Employee, Monticello. 337 N. Cedar.
Schultz, George C. ......................................................... Guernsey
Principal and Manual Arts, Remsen.
Smith, Erwin LeRoy ....................................................... Waterloo
Engineer, Cedar Falls. 806 Conger St., Waterloo.
Usher, Lucile ............................................................. Cedar Falls
Principal, Rock Falls.
Weyant, Evelin David .................................................... Edgewood
Head Coach, Mt. View, Wyoming.
White, Lena Ethel ........................................................ Woodbine
Commercial, Abraham Lincoln High School, Council Bluffs. 146 Park Ave.
Wollenhaupt, Willard A. ................................................ Cedar Falls
Commercial Teacher, Creston.
GRADUATES FOR YEAR 1930

Public School Music Education Diploma

Brown, Mary Louise ........................................ Boone
Public School Music, Geneva.
Campbell, Dana M. ........................................ Waterloo
Student, Eastman School of Music, Rochester, N. Y.
Collins, DWane Rolland ................................... Mt. Union
Physical Education, Band and Orchestra, Junior High, Gowrie. Music, Farm­
hamville, Gowrie.
Conklin, Oliver Keith .................................... Nashua
Music and Science, Buckingham.
Drummond, Claribel C .................................... Spirit Lake
Music and English, High School, Libertyville.
Hanna, Wilma Mabel ...................................... Anamosa
Music Supervisor, Letts.
Howell, Jean Elizabeth ................................... Waterloo
Music and History, Colwell.
Hunter, Mary M. .......................................... Washington
Student, Iowa State Teachers College, Cedar Falls. 2303 Olive St.
Jakway, E. Lorraine ...................................... Humboldt
Maxwell, L. Helen ......................................... Epworth
Moberg, Elma M. .......................................... Rockwell City
Mosher, Genevieve ....................................... Rockford
Music and Mathematics, Decatur.
McCockle, Ruth ........................................... De Soto
Band, Orchestra, Dramatics, Physical Training, Bedford.
McMillan, Jane Burnett ................................... Hudson
Music Supervisor, Baxter.
Norman, Frances Lorena ................................ Union
Orris, Myrtle Maurine .................................. Crawfordsville
Music, Yarmouth.
Reed, L.ona M. ........................................... Belmond
Music and History, Irwin.
Rutan, Lucille ............................................. Scranton
Student, Iowa State Teachers College, Cedar Falls. Bartlett Hall.
Smith, Wilma Grace ....................................... Waterloo
Public School Music, Newhall.
Thompson, Verna D ...................................... Inwood
Music, Rowan.

Commercial Education Diploma

Axtell, Dorothy Duane ................................ Deep River
Student, Iowa State Teachers College, Cedar Falls. 2616 College St.
Brunsvold, Marjorie L. ................................ Hanlontown
Burgeson, Florence V ..................................... Alta
Burkey, Edna Maye ....................................... Sheldahl
Christensen, Elmer F .................................... Sutherland.
Dolecheck, Louise ......................................... Cedar Falls
Dunford, Claribel C ....................................... Diagonal
Commercial Teacher, Stratford.
Johanson, Bernice ......................................... Marathon
Kramer, Maurice A ......................................... Thornburg
Larson, Henry D ........................................... Des Moines. 3309 S.W. 8th St.
Murray, Margaret .......................................... Onawa
Stenographer, Insurance Company, Omaha, Neb. 1518 South 32nd St.
McCintic, Harry N ......................................... Wayland
Mathematics and Commercial, Alliston.
McCracken, Lola Rea ...................................... Orient
Rural School, Meservey.
Ontjes, Carolyn Genevieve .............................. Aplington
Commercial Teacher, Hawarden. 1314 Central Ave.
Reynolds, Myrtle .......................................... Villisca
Commercial Teacher, Seymour.
Scott, Marie ............................................... Bonduant
Fifth and Sixth Grades, Cedar Falls. 2222 Walnut St.
Stephens, Ralph A ......................................... Reinbeck
Commercial Teacher, Reinbeck.
Stewart, Lorna May ....................................... Manson
Commercial Teacher, American Institute of Business, Des Moines. 615 6th Ave.
Stinemates, Helen ................................................. Grant
Strieby, Blancha Beatrice ...................................... Odebolt
Commercial Teacher, Jolley.

Art Education Diploma

Christensen, Helga ................................................. Clear Lake
Supervisor of Art, Rock Falls, Illinois. 605 First Ave.
Drommer, Louella ................................................ Pomeroy
Third Grade, Sergeant Bluff.
Marriage, Marian Elizabeth .................................. Popejoy
Rural School, Meservey.
Neuman, Viola E .................................................... Storm Lake
Student, State Univ. of Iowa, Iowa City. Eastlawn.
Paulson, Jean Marie ............................................. Aurelia
Music Supervisor and Grade Teacher, Gaza.
Tabat, Louise ....................................................... Thornton
Art and Penmanship, Carroll. 121 N. Main St.

Manual Arts Education Diploma

Baxter, Everett L ..................................................... Galva
Manual Arts and Agriculture, Linn Grove.
Budolfson, Everett R .............................................. Grinnell
Coach and Manual Arts, Elkport.
Field, Marshall ..................................................... Sheffield
Principal, High School, W iota.
Hale, Frances ...................................................... Tripoli
Tedeschi, Martha, Iowa State Teachers College, Cedar Falls.
Lein, Arvid H .......................................................... Roland
Snook, Loring F .................................................... Grand River

Home Economics Education Diploma

Baker, Miriam B ...................................................... Steamboat Rock
Upper Grades, Tabor.
Fagan, Evelyn L ..................................................... Cedar Falls
Home Economics, Janesville.
Gienger, Dorothea .................................................. Gladbrook
Home Economics, Owasa.
Gissel, Jessie M ....................................................... Independence
Grades, Independence.
Holmes, Mildred Maxine ......................................... Shellsburg
Jewell, Mary LoDelle ............................................... Sioux Falls, S. D.
Domestic Science, High School, Fairbank.
Kinseth, Ruth T ....................................................... Bode
Larson, Inez Maurine ................................................ Dayton
Home Economics, Elwood.
Lynch, Bernice V ..................................................... Cedar Falls
Intermediate Grades, Aurora.
Nielsen, Rigmor K .................................................. Cedar Falls
Student, Iowa State Teachers College, Cedar Falls. 822 West 27th St.
Olin, Mina S ............................................................ Deep River
Home Economics, Lynnville.
Silver, Helen Esther ................................................ Waterloo
Sorensen, Rachel Adelaide ........................................ Spencer
Home Economics, Alexander.
Stevens, Dorothy Evelyn .......................................... Chester
Home Economics, Van Cleve.
Tiffany, Sarah Mae .................................................. Colfax
Home Economics, Dedham.
Walsh, Fern Lucille ............................................... Bristow
English and Home Economics, St. Anthony.
Wanous, Marjorie .................................................... Brighton
Sixth Grade, Wayland.
Waterman, M. Ople .................................................. Bedford
Home Economics, Letts.
Wood, Mary .......................................................... Peterson
Departmental, Junior High, Gowrie.
Consolidated School Education Diploma

Petterman, Lois ........................................ Springville
Student, Iowa State Teachers College, Cedar Falls. 803 W. 28th.

Oliver, Clemie M. ........................................... Chariton
Departmental, Grades, Castana.

Olson, Oleda Pearl ........................................... Williams

Torrey, Beulah B. ........................................... Guttenberg
Fifth Grade, Jesup.

Elementary Education Diploma—For Teachers in the Upper Grades

Arnold, Effie M. ........................................... Chariton
Student, Iowa State Teachers College, Cedar Falls. 2120 Clay St.

Barry, Margaret B. ........................................... Belmond
Teacher, Junior High, Tama.

Bass, Eleanor Candace ........................................ Ogden
Teacher, Junior High, Hansell.

Beck, Mildred J. ........................................... Greenfield
Fifth and Sixth Grades, Kalona.

Below, Irma J. ........................................... Spirit Lake
Spirit Lake,

Benzing, Helen Berneda .................................... What Cheer
Teacher, Junior High, Harcourt.

Boysen, Margaret ........................................... Cedar Falls
Seventh Grade, Ridgeway.

Bramon, Joseph Cecil ....................................... Waucoma
Superintendent, Donnan.

Brown, Louise E. ........................................... Madrid
Sixth Grade, Goldfield.

Burke, Mabel Marie ........................................... Stanton
Teacher, Junior High, Vinton. 401 E. Fifth St.

Chilton, Emma Lee ........................................... Eddyville
Teacher, Junior High, Central City.

Cook, Kenneth T. ........................................... Jesup
Junior High, Delhi.

Cramer, Ora Lucille ......................................... Reinbeck
Rural School, Reinbeck.

Crow, Orson F. ........................................... Correctionville
Teacher, Intermediate, Hanover.

Dawes, Florence Evalena ................................... Independence
Teacher, Junior High, Independence.

Brown, Louise E. ........................................... Mallard
Sixth Grade, Mallard.

Dickey, Frances I. ........................................... Hedrick
Seventh and Eighth Grades, Bennett.

Edwards, Mary Louise ....................................... Inwood
Principal, Social Science, English, Public Speaking, Girls' Basketball Coach, Ionia.

Eggland, Gwendolyn Myra ................................... Roland
Fifth and Sixth Grades, Geneva.

FitzSimons, Mabel A. ....................................... Auburn
Teacher, Upper Grades, Luana.

Fossett, Ordella ........................................... Gilbert
Third and Fourth Grades, Dinsdale.

Frey, Julia C. ........................................... Dubuque
Bookkeeper. 2155 Roosevelt St.

Hanna, Myrtle Marie ....................................... Lone Rock
Grades, Burt.

Hopp, Laura P. ........................................... Glenwood
Mrs. Norman G. Greene. Grade Teacher, Como, Colorado.

Johnson, Agnes M. ........................................... Roland
Sixth and Seventh Grades, Whitten.

Jones, Marie Eleanor ....................................... Worthington, Minn.
Jungers, Mareella Marie ................................... Hespers
Sixth Grade, Jesup.

Kirk, Bethel ........................................... Springville
Student, Iowa State Teachers College, Cedar Falls. 2422 Olive St.

Koll, Lilian M. ........................................... Walnut
Rural School, Hancock.

Korf, Edna Smead ........................................... Cedar Falls
Fifth Grade, Newton. 622 First Avenue West.

Leupold, Ruth Genevieve ................................... Superior
Third and Fourth Grades, Superior.
Lieske, Florence M. ................................................................. Bagley
Teacher, Herndon. Bagley.

Loveland, Katherine M. ......................................................... Audubon
Fourth Grade, Tripoli.

Magee, Vila M. ................................................................. Austin, Minn.
Rural School, Spring Valley, Minn.

Matthews, Shirley E. ............................................................. McClelland
Third and Fourth Grades, Henderson.

McKitrick, Lois Elizabeth ..................................................... Cedar Falls
Grade Teacher, Calumet.

Olson, Laurine Hazel .............................................................. Gillet
Intermediate Grades, Thor.

Olson, Mrs. Marion C. ............................................................ Waterloo
Waterloo 200 Independence Ave.

Peterson, Dorothy ................................................................. Essex
Seventh Grade Departmental, Lewis.

Peterson, Urma M. ................................................................. Cedar Falls
Rural School, La Porte City. Route 3.

Pool, Alice G. ................................................................. Ocheyedan
Teacher, Junior High, Postville.

Porter, Mildred Evelyn .............................................................. Alta
Grades, Truesdale.

Ries, Helen Elizabeth ............................................................... Manson
Fourth and Fifth Grades, Alta.

Schrader, Evelyn ................................................................. Cedar Falls
Upper Grades, Ossian.

Schrader, Opal ................................................................. Burt
Third Grade, Artesia, New Mexico. 407 Main.

Schoedel, Dolores M. ............................................................. Arcadia
Arcadia.

Schut, Dora Theo ................................................................. Chester, S. D.
Substitute Teacher, Phoenix, Arizona. 234 West Monroe.

Siemers, Margaret S ................................................................. Ackley
Fourth Grade, Boxholm.

Squires, Olive Sarah ............................................................... Palo
Student, Coe College, Cedar Rapids. Voorhees Quadrangle.

Steinmetz, Wilma ................................................................. Riceville
Seventh and Eighth Grades, Elgin.

Stilfield, Anna Mabel ............................................................... Eldon
Elementary Grades, Eldon.

Truesdell, Roberta ................................................................. Wancoma
Commercial and English, Lytton.

Whelan, Edith E. ................................................................. Glidden
Student.

White, Colene ................................................................. Colfax
Seventh and Eighth Grades, Mitchell.

Wilson, Ruth Vida ................................................................. Washington
Fifth and Sixth Grades, West Chester.

Woodward, Elsie Muriel .............................................................. Waterloo
Rural School, Raymond.

---

Elementary Education Diploma—For Teachers in the Intermediate Grades

Ackerman, Lulu E. ................................................................. Aplington
Student, State University of Iowa, Iowa City. 316 S. Dodge St.

Ahrens, Cordelia ................................................................. Mitchell
Intermediate Grades, Principal of Lincoln School, Iowa City. 411 East Wash-
ington St.

Atwood, Prudence ................................................................. Villisca
Fourth Grade, Blue Rapids, Kansas.

Baker, Bernice Ardell .............................................................. Jefferson
Jefferson. 706 W. Lincolnway.

Bakewell, Emma Hartong .......................................................... Lansing
Fifth and Sixth Grades, Lowden.

Bork, Theolorea Marie ............................................................. Ogden
Fourth Grade, Galva.

Boyce, Lucille Marian .............................................................. Newell
Fourth Grade, Hawthorne School, Indianola. 210 South 1st St.

Butler, Dorothy L. ................................................................. Iowa Falls
Iowa Falls.

Case, Vera H. ................................................................. Corwith
Third and Fourth Grades, Percival.

Chambers, Ethel Jane .............................................................. Wyoming
Fourth Grade, Newhall.
<table>
<thead>
<tr>
<th>Name</th>
<th>Grade(s)</th>
<th>Location</th>
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<tbody>
<tr>
<td>Chesbro, Eloise</td>
<td>Third and Fourth Grades</td>
<td>Shell Rock</td>
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<td>Clayton, Treva Rea</td>
<td>Sixth Grade</td>
<td>Orient</td>
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<td>Cornish, Irma E.</td>
<td>Fourth Grade</td>
<td>Omaha, Nebraska</td>
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<tr>
<td>De Long, Rebecca</td>
<td>Fifth and Sixth Grades</td>
<td>Lost Nation</td>
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<tr>
<td>Dickson, Mae</td>
<td>Grade Teacher</td>
<td>Vinton</td>
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<td>Fagg, Lucilla</td>
<td>Third and Fourth Grades</td>
<td>Casey</td>
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<td>Fish, Evelyn</td>
<td>Fourth Grade</td>
<td>Moorhead</td>
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<td>Foley, Sarah Jane</td>
<td>Upper Grades</td>
<td>Davenport</td>
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<td>Gardner, Florence Ruth</td>
<td>Third and Fourth Grades</td>
<td>New Hampton</td>
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<td>Geishecker, Irene Elizabeth</td>
<td>Intermediate Grades</td>
<td>Lu Verne</td>
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<td>Gould, Dorothy L.</td>
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<td>Milton</td>
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<td>Griggs, Mina Josephine</td>
<td>Student</td>
<td>Marshalltown</td>
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<td>Gustafson, Wilma V.</td>
<td>Fifth Grade</td>
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<td>Hagaleen, Gladys Lucille</td>
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<td>Hall, Golda Marie</td>
<td>Fifth and Sixth Grades</td>
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<td>Harden, Pearl Evelyn</td>
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<td>Perry</td>
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<td>Hayward, Lora M.</td>
<td>Rural School</td>
<td>Dysart</td>
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<td>Helebrant, Marie Ann</td>
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<td>Austin, Minnesota</td>
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<td>Hudson, Florence M.</td>
<td>Fifth Grade</td>
<td>Kingston</td>
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<td>Karstens, Leona B.</td>
<td>Fourth Grade</td>
<td>Avoca</td>
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<td>Kersten, Leon B.</td>
<td>Teacher</td>
<td>Walnut</td>
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<td>Kem, Nellie Mae</td>
<td>Fourth Grade</td>
<td>Alburnett</td>
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<td>Lang, Agnes L.</td>
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<td>Lee, Ethel Katherine</td>
<td>Fifth Grade</td>
<td>State Center</td>
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<td>Lindaman, Jeanette M.</td>
<td>Departmental in Grades</td>
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<td>Maguire, Margaret M.</td>
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<td>Greene</td>
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<td>Maier, Josephine I.</td>
<td>Fifth Grade</td>
<td>Center Point</td>
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<td>Miller, Helen Loretta</td>
<td>Fifth Grade</td>
<td>Estherville</td>
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<td>Miller, Janette</td>
<td>Departmental, Fifth and Sixth Grades</td>
<td>Belmond</td>
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<td>Million, Mildred Catherine</td>
<td>Rural School</td>
<td>Gowrie</td>
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<td>McCormac, Grace Elizabeth</td>
<td>Third Grade</td>
<td>Letts</td>
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<td>McKibben, Marjorie H.</td>
<td>Fifth Grade</td>
<td>Rembrandt</td>
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<td>Newell, Virgie Allee</td>
<td>Sixth Grade</td>
<td>Centerville</td>
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<td>Niebuhr, Lily Rosa</td>
<td>Third and Fourth Grades</td>
<td>Cooper</td>
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<td>Orthmann, Louella L.</td>
<td>Third and Fourth Grades</td>
<td>Brook Consol. School, Peterson</td>
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<td>Ramey, Irma Leah</td>
<td>Fourth Grade and Lower Grade Music</td>
<td>Glidden</td>
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<td>Reisinger, Catherine Fern</td>
<td>Rural School</td>
<td>Eldora</td>
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<td>Smith, Edith Fay</td>
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<td>Siem, Oline</td>
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<td>Cedar Falls</td>
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<td>Smith, Edith Fay</td>
<td>Fourth Grade</td>
<td>Newburg</td>
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</tbody>
</table>

City and Location:
- Shell Rock
- Orient
- Omaha, Nebraska
- Lost Nation
- Vinton
- Casey
- Moorhead
- Lu Verne
- Milton
- Marshalltown
- Cedar Falls
- Davenport
- Iowa Falls
- Perry
- Dysart
- Austin, Minnesota
- Kingston
- Avoca
- Walnut
- Alburnett
- Davenport
- Center Point
- Estherville
- Belmond
- Gowrie
- Letts
- Rembrandt
- Centerville
- Cooper
- Brook Consol. School
- Cedar Falls
- Newburg
Smith, Vera Bell .......................................................Monona
Thomas, Amy Lorraine ..............................................Hampton
Third and Fourth Grades, Sulphur Springs.
Tupper, Beryl Fern ...................................................Woodbine
Fourth Grade, Waverly.
Vaala, Irene Geraldine ..............................................Lawler
Van Deest, Clara .....................................................Rockford
Fourth Grade, Mapleton.
Walker, Faye Leah ....................................................Jamaica
Third and Fourth Grades, Magnolia.
Ward, Erma Mae ............................................................Wesley
Rural School, Wesley.
Wilkins, Ruth Evelyn ..................................................Redfield
Grades, Vinton. 401 E. 5th St.
Wing, Golde Lou ..........................................................Gowrie
Fifth and Sixth Grades, Doon.

Primary Education Diploma

Alsip, Frances ..........................................................Columbus Junction
Bandfield, Verna V. .......................................................Waterloo
First Grade, Excelsior Consol. School, Lake Park.
Barkley, Erma J. ..........................................................Pierson
Primary, Terril.
Basler, Donna Lorene ...................................................Auburn
Beagley, Kathryn ..........................................................Chariton
Binnie, Margaret Grace ..................................................Chester
Second Grade, Castana.
Blain, Ethel M. ..........................................................Griswold
Third Grade, Postville.
Boyle, Cholene ..........................................................Rockwell City
Third Grade, Tripoli.
Brinker, Elva ...............................................................Auburn
Third and Fourth Grades and Orchestra, Van Cleve.
Butler, Ollie I. ............................................................Woodbine
First Grade, Whiting.
Campbell, Carolyn Abigail ..............................................Postville
Primary, McGregor.
Clark, Mantie Joy ..........................................................Maynard
Collins, Ruth B. ...........................................................Schaller
First Grade, Cooper.
Curtis, Lois Lucile .......................................................Churdan
Second Grade, New Hartford.
Curtis, Lorraine Belva ..................................................Churdan
Cedar Falls, 803 W. 20th St.
Dickinson, Jane E. ..........................................................Sabula
Primary, College Springs.
Dickinson, Margaret Rita ................................................Pleasant Plain
Primary, South English.
Dodd, Vivian Laura ..........................................................New Hartford
Second Grade, Alexander.
Edaburn, Mary Louise ..................................................Creston
Third Grade, Creston.
Ferguson, Dorothy Virginia .............................................Parkersburg
Teacher, Blairstown.
Ferrell, Emma Lee ..........................................................Union City, Tenn.
Fifth and Sixth Grades, Hazleton.
Goebel, Leone Irene ......................................................Deep River
First and Second Grades, Kalona.
Gowan, Winifred Marie ..................................................Cleghorn
Second Grade, Mount Vernon.
Groman, Esther Laurel ...................................................Minden
Avoca.
Harkins, Helen June .....................................................Hedrick
Third Grade, Hedrick.
Hayens, Virginia Elizabeth .............................................Glidden
First and Second Grades, Dinsdale.
Hosking, Jessie ..............................................................Stratford
Kindergarten and First Grade, Waterloo.
Jaksó, Henrietta Marie ...................................................Schleswig
Primary, Newhall.
GRADUATES FOR YEAR 1930

Johnson, Irma .......................................................... Marathon
Primary, Galt.
Johnson, Carol Edwena ............................................... Chatsworth
First Grade, Cherokee.
Johnson, Helen M. ..................................................... Battle Creek
Rural School, Battle Creek.
Johnson, Irma R. ..................................................... Chatsworth
Third Grade, Titonka.
Jorgensen, Ola Gertrude ............................................... Newell
First Grade, Monona.
Kanie, Florence L. .................................................... St. Olaf
First Grade, Independence.
Karr, Mildred Elizabeth ................................................ Iretton
First and Second Grades, Superior.
Kirkpatrick, Irene ...................................................... Coggon
Teacher, Hopkinton.
Klemmsrud, Ruth Josephine ............................................ Osage
Rural School, Nora Springs.
Klimhint, Dora W. ....................................................... Nashua
First and Second Grades, Spirit Lake. 508 N. Hill Ave.
Knoer, Leona G. ......................................................... Dunkerton
Second and Third Grades, Webb.
Koontz, Beulah E. ....................................................... Onawa
Second Grade, Jesup.
Koss, Viola M. .......................................................... Garnavillo
Primary, Dunkerton.
Landau, Minnie ............................................................ Mt. Pleasant
First Grade, Dows.
Lewis, Jeanette Mary ...................................................... Williamsburg
Second Grade, Springville.
Lindemeyer, Ruth H. ...................................................... West Chester
Second Grade, Springville.
Long, Mary Lucille ...................................................... Montezuma
First Grade, Tracy.
Lounsberry, Gladys Rosalie ............................................ Colo
Lunkenbill, Katie ........................................................ Cedar Falls
Second and Third Grades, Treynor.
Lunkenbill, Lucindy ........................................................ Cedar Falls
Grades, Cairo, Columbus Junction.
Lush, Blanche Loris .................................................... Hawarden
Hawarden.
Lyon, Pearl Ceciel ....................................................... Sioux City
First Grade, Parkersburg.
Magre, Marie E. ........................................................ Dunkerton
Masters, Stella N. ......................................................... Wellingford
First Grade, Adel.
Maust, Alta L. ............................................................ Waterloo. 723 Denver.
Meswarb, Amanda ........................................................ Sunnem
First and Second Grades, Woden. Box 168.
Mill, Una Belle .......................................................... Denison
McFadden, Avis Vaughn .................................................. West Liberty
Third Grade, Sac City. 806½ Main St.
McGrew, Edna Irene ....................................................... Unionville
Unionville.
McNeal, Aletha Cordelle ................................................ Montezuma
Second Grade, Montezuma.
Nelson, Elvina M. ........................................................ Linn Grove
Primary, Martinsburg.
Nordstrom, Vera C. ....................................................... Aurelia
First Grade, Alta.
Oleson, Irene ............................................................. Webster City
First Grade, Tripoli.
Papke, Ruth A. ........................................................... Sabula
First and Second Grades, La Mille.
Persinger, Fern Lucile .................................................... Whiting
Second and Third Grades, Harris.
Potratz, Marjorie S. ..................................................... Brighton
First Grade, Brighton. Box 434.
Quirreyer, Verna Eula .................................................... Staples, Minn.
Third Grade, Hinckley, Minnesota.
Rice, Mabel Jean ........................................................ Washington
Primary, Washington. 615 E. Madison St.
Rousselow, Helen Eileen ................................................ Cedar Falls
Second Grade, Shellsburg.
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<tr>
<th>Name</th>
<th>School</th>
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<td>Schlue, Evelyn Mae</td>
<td>First and Second Grades, Geneva.</td>
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<td>Schroeder, Leona Marie</td>
<td>Student, Iowa State Teachers College, Cedar Falls. Bartlett Hall.</td>
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<td>Secor, Clara Marie</td>
<td>Assistant to First Grade Teacher, State Center.</td>
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<td>First and Second Grades, Lake Center Consol. School, Dickens.</td>
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<td>McNamees, La Vonne</td>
<td>Kindergarten Cadet, Waterloo, 1003 Mulberry St.</td>
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Kindergarten Education Diploma
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Kuhn, Clara Lavelle ................................................... Bedford
Lauritzen, Vera O. .................................................. Ringsted
Rural School, Ringsted.
Meyer, Marie Wilemina ............................................ Readlyn
Rural School, Brighton.
Michaels, Claudia M. .............................................. Plymouth
Rural School, Plymouth.
Miller, Hulda L ...................................................... Bristow
Rural School, Bristow.
Miller, Velma Dorothy ............................................. Paton
Rural School, Paton.
McLaughlin, Malvina ................................................. Manson
Mans. 1
Mullins, Ethel Marian ................................................ Paton
Rural School, Paton.
Nordstrom, Ann ....................................................... Aurelia
Petersen, Elfredo T. .................................................. Ringsted
Rural School, Ringsted.
Phillips, Blanche A. ................................................ Center Point
Rural School, Center Point.
Pieracci, Mary Evelyn ............................................. Ankeny
Rural School, Waterloo. Route 8.
Renken, Margaret Ottlia .......................................... Parkersburg
Rural School, Parkersburg.
Rummel, J. Francis .................................................. Ankeny
Rural School, Tipton.
Schlichting, Edna Alma ............................................. Rockwell
Rural School, Rockwell.
Schoenjahn, Pauline C. ............................................. West Side
Schoenjahn, Rachel L .................................................. Klemme
Rural School, Klemme.
Schoumaker, Alice Irene ........................................... Bronson
Rural School, Bronson.
Smith, Agnes M. ...................................................... Mapleton
Sorenson, Evelyn Burnette ........................................ Ossian
Rural School, Ossian.
Swag, Berenice I. .................................................... Milford
Rural School, Milford.
Trinle, Eva ............................................................. Paton
Rural School, Scranton.
Webb, Paulene ....................................................... Shannon City
Rural School, Shannon City.
Whipple, Phyllis Vanetta ......................................... Cedar Falls
Willard, Leona Ruth ................................................ Conrad
Conrad.
Wyseuph, Edith Joyce .................................................. Wagnor, S. D.

Department Certificate in Critic Training

Bodenham, Ruth B. .................................................... Riceville
Critic, Fourth Grade, Lincoln Building, Waterloo. 305 Baltimore St.
Brown, Florence Ethel .............................................. Keokuk
Critic Teacher, Fourth Grade, Waterloo. 305 Baltimore St.
Schneider, Goldy M. .................................................. Ocheyedan
Conrad.

Statement of Proficiency in Swimming

Bailey, Flora L. ..................................................... Cedar Falls
Director of Physical Education, Sigourney. Box 223.

AUGUST, 1930

Bachelor of Arts in Education Degree

Ahrens, Delmar F. .................................................... Grinnell
Superintendent, Webster.
Anderson, Winogene C. ........................................... La Porte City
Second Grade, Eagle Grove
<table>
<thead>
<tr>
<th>Name</th>
<th>School/College</th>
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<tr>
<td>Baune, Olive Marcella</td>
<td>Social Science and Mathematics</td>
<td>Fairbank, Oran</td>
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<td>Barnett, Evelyn F.</td>
<td>School of Music, Philadelphia</td>
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<td>Bauman, Luella S.</td>
<td>Supervisor of Music, Polk School</td>
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<td>Berger, Ernie J.</td>
<td>High School Principal, English</td>
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<td>Social Science and Mathematics</td>
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<td>Brindle, Harriet Pauline</td>
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<td>Brown, Barbara Jean</td>
<td>History, Economics, Physical Education</td>
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<td>Dix, Leslie V.</td>
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Lewis, Wilma E. .......... . Austin, Minn.
Health Director, Y.W.C.A., Erie, Pennsylvania. 222 W. 8th.
Ludley, Everett A. .......... . Manchester
Physics and Journalism, High School, Hawarden.
Lunn, Victor Freier .......... . Cedar Falls
Music Supervisor, Nashua.
Lynch, Mary .......... . Charles City
Sixth Grade, Nichols Intermediate School, Evanston, Ill.
McBurney, Ray Dean .......... . Fremont
Principal, St. Anthony.
McDowell, Robert M. .......... . Cedar Falls
Physics and History, High School, Charles City. 306 Ferguson St.
McGinnis, Florence Champlin .......... . Chariton
First Grade, Des Moines. 2902 Cottage Grove.
Nelson, Martha Katherine .......... . Sheldon
Grades, Elgin, Illinois. 400 Lovell Ave.
Nichols, Lillian .......... . Sheffield
Fourth Grade, Silverton, Ore. 403 E. Main St.
Nielsen, Ingborg Elizabeth .......... . Cedar Falls
Njus, Gertrude .......... . Lawler
Dr. M. Okerberg, Olivia .......... . Marathon
First Grade, Des Moines. 2422 Drake Park Ave.
Park, Maxine M. .......... . Marshalltown
Psychological Education, Summer.
Parrish, Pauline M. .......... . Leon
Fourth Grade, Leon.
Pease, John R. .......... . Waseca
Ninth Grade, Iowa State Training School for Boys, Eldora. Lock Drawer C.
Petersen, E. J. .......... . Kimballton
Mathematics and Coaching, High School, Fort Dodge. Box 471.
Phehps, Pauline E. .......... . Independence
Art, Elementary School, Newton. 414 First St. So.
Phillips, Letha F. .......... . Little Sioux
Sixth Grade, Piqua.
Reid, Florence E. .......... . Creston
Critic Teacher, Iowa State Teachers College, Waterloo. 1018 W. 2d.
Rogers, Helen Dorothy .......... . Mason City
Substitute Teacher, Mason City. 801 N. Federal Ave.
Rutan, Le Noir .......... . Scranton
Grade Departmental, Villisca.
Seivert, Irene M. .......... . Ashton
Plane Geometry, Cresco.
Sheel, M. Annette .......... . Hosphers
Social Science, Junior High School, Barrington, Ill. 250 W. Lake St.
Sheets, Mary .......... . Hampton
Reading and Arithmetic, Lower Grades, Knoxville. 904 Montgomery St.
Smith, Kathleen .......... . Cedar Falls. 510 Walnut St.
Speake, Jay B. .......... . Walker
Principal and Coach, High School, Walker.
Stalnaker, Carroll Claude .......... . Elkader
Graduate Student, State University of Iowa, Iowa City. Quadrangle 84B.
Steinbruch, True V. .......... . Sibley
Swale, Phyllis .......... . Moose Lake, Minn.
Coaching Plays, Moose Lake, Minnesota.
Taplin, Marjorie Gwendolyn .......... . Mason City
Intermediate Department, Ganado Presbyterian Mission, Ganado, Arizona.
Taylor, June Rudesill .......... . Webster City
Eighth Grade and Junior High English, Webster City.
Taylor, Violet A. .......... . Iowa Falls
English, High School, Hampton.
Thomas, Margaret Tydvil .......... . Hiteman
Music Supervisor, Albia. 514 A. Ave. East.
Thompson, Olive L. .......... . Story City
Primary, Ogden.
Vander Linden, Mae E. .......... . Des Moines
Third Grade Editor, Madison, S. D.
Wessels, Harold Alvin .......... . Buffalo Center
Superintendent, St. Anthony.
Wintz, Joseph E. .......... . Allison
Principal, Gibbon.
Wolgamuth, Beula Ione .......... . Dallas Center
Registrar for University Forum, Dallas Center.
Wright, Alice Vera .......... . Cedar Falls
Fourth Grade, Oyster Bay, N. Y., and Student at Columbia University. 36
Melbourne, Oyster Bay, N. Y.
GRADUATES FOR YEAR 1930

Wright, Alma E. .................................................. Marshalltown
Zeuch, Beatrice Irene ............................................. Hopkinton

Social Science, Sibley. 503 Third Ave.

Bachelor of Science in Education Degree

Arnold, Nelson F. ................................................... Earlville
Teacher and Assistant Coach, High School, New Hampton.

Barnt, Genevieve ................................................... Sac City
Commercial, North High School, Des Moines.

Behrens, Milton Ronald ........................................... Cedar Falls

Bennett, Violette Dell ............................................. Adel
Commercial, Lincoln High School, Jamestown, N. Y. 7-13th St.

Bowers, Greta Worth ............................................. Jefferson City, Mo.

Boyseen, Alpha C. ................................................. Dike
Commercial, High School, Highland, Wisconsin.

Broshier, James Harry ............................................. Sigourney

Manual Arts, High School, Cincinnati.

Caldwell, D. Maurice .............................................. Vinton
Physics, Agriculture, General Science, High School, West Union.

Coleman, Clellie .................................................... Muscatine

Principals, Economics, High School, Wilton.

Cowan, Elmer E. .................................................... Laurens

Superintendent, Alexander.

Davis, Berenice A. ................................................. Waterloo
Student, Moody Bible Institute, Chicago, Ill. 830 N. La Salle St.

Doherty, Ellen M. ................................................... Rock Valley
Commercial Teacher, Auburndale, Wis.

Dues, Joe R. ......................................................... Roland

Duncan, D. C. ....................................................... New Virginia
New Virginia.

Fritzel, Melvin Roy ................................................ Grundy Center

Gittins, Lawrence O. .............................................. Guthrie Center
Agriculture and Economics, Ledyard.

Hauner, Park M. ..................................................... Plover
Coach, New Sharon.

Hansuld, George A. ................................................ Mason City
Hughes, Edward C. ................................................ Garner

Manual Arts, Maynard.

Hunt, Hazel Wamsley .............................................. Clarksville
Commercial, High School, Onawa.

Johannesen, Eldona ................................................ Alta

Krensky, Isadore .................................................... Waterloo
Bookkeeper, Waterloo 1325 W. 4th.

Lautenbach Laurence .............................................. Pella
Director of Athletics and Principal, Westville, Oklahoma.

Lewis, Franklin P. ................................................ Woodbine

Coach, Salem, Ohio 600 East 3d.

Mendenhall, Earl C. ................................................. Newton
Superintendent, Galt.

Miller, Alice ........................................................ Osage
Home Economics, What Cheer.

McFadden, James A. ............................................... Eagle Grove
Commercial Teacher, High School, Eagle Grove.

Olney, Mary Alice ................................................ Cedar Falls
Commercial Teacher, Waterville.

Paige, Theodore .................................................... Cedar Falls
Principal, Senior High School, Hudson.

Peterson, Laura E. ................................................ Sioux Falls, S. D.
Ridenour, Clyde E. ................................................ Kingsley
Principal, Emerson.

Sellers, Lois H. .................................................... Cherokee
Home Economics, Pomeroy.

Shoemaker, Frank B. ............................................... Arnolds Park
Coach and Manual Training, Dysart.

Smith, Vera L. ...................................................... Collins
Commercial, High School, Centre Point.

Soukup, Anna R. .................................................... Center Point
Home Economics and Biology, Fertile.

Stratton, Mildred L. ................................................ Collins
Home Economics and English, Blanchard.

Sturch, Veryl ........................................................ Cedar Falls
High School, Tripoli.

Thein, Lillian ........................................................ Garnavillo

Garnavillo.
Thierman, Irene Marie .................................................. Waterloo
Home Economics and High School Principal, Superior.

Vestal, Paul Douglas .................................................. Emerson
Agriculturist, Emerson.

White, Everett Donald ............................................... Cedar Falls
Principal, Fenton.

Wolkenhauer, John A .................................................. Pocahontas
Vocations, Trades and Football, Sauk Center, Minn. 218 Pine St.

Wright, Mary L ......................................................... Cedar Falls
Commercial Teacher, Pleasantville.

Public School Music Education Diploma
Anger, Vera M .......................................................... Brooklyn
Student, Iowa State Teachers College, Cedar Falls. Bartlett Hall.

Boland, Mary Joan ..................................................... Fairfax
Student, Iowa State Teachers College, Cedar Falls. Bartlett Hall.

Boshart, Vere M ......................................................... Wayland
Music Supervisor, Brandon.

Bethelsen, Cecilia L ................................................... Greenville
Student, Iowa State Teachers College, Cedar Falls. 1022 W. 22d St.

Overgaard, Anna Elizabeth ........................................... Cedar Falls
English and Music, Burt.

Pressey, Carol W ....................................................... Waterloo
Music and Junior High English, Kanawha.

Severson, Charlotte L ................................................ Radcliffe
Student, Iowa State Teachers College, Cedar Falls. 1120½ Washington St.

Turner, Ethel Mae ....................................................... Coon Rapids
Music, West Liberty.

Young, Doris Esther ..................................................... Traer
Music Supervisor, Havelock.

Commercial Education Diploma
Biggs, Quentin G ....................................................... Massena
Student, Iowa State Teachers College, Cedar Falls. 102½ Main St.

Hintz, Alva I ............................................................. Lake Mills
Commercial Teacher, Fife, Wis.

Lee, Lona Kathryn ...................................................... Clinton
Commercial, Lyons High School, Clinton. 1720 N. 5th St.

Stoll, Dorothea .......................................................... Preston
Commercial, High School, Elkader.

Thompson, Mabel ....................................................... Moravia
Commercial Teacher, Independence.

White, Paul M ........................................................... Cedar Falls
Typewriting, Davenport. 1017½ W. 6th St.

Wissler, Gladys Ethyl ................................................ Exira
Private Secretary to Minister, Sioux City. 2618 Douglas.

Art Education Diploma
Hederman, Monica E ................................................... Denison
Student, Iowa State Teachers College, Cedar Falls. Bartlett Hall.

Manual Arts Education Diploma
Bahnsen, C. A ............................................................... Denison
Bolton, Win. D ............................................................ Brandon

Meyers, Gerald Le Roy ................................................ Traer
Coach and Manual Arts, Blakesburg.

Miller, F. Lincoln ....................................................... Alden
Student, Iowa State Teachers College, Cedar Falls. 1105 W. 22d St.

Pederson, Obed M ........................................................ Roland
Manual Arts and Junior High Coach, Manly.

Tessmer, Arthur William .............................................. Waucoma
Science, Libertyville.

Thomson, Everett Strausser ......................................... Stanwood
High School, Chester.
GRADUATES FOR YEAR 1930

Home Economics Education Diploma

Bo~ard, Mrs. Ar~on .......................................................... Sibley
Sibley.
Deck, Frances Evelyn ...................................................... Marshalltown
Seventh and Eighth Grades, Onawa.
Dority, Leona I. ............................................................. Stout
Rural School, Ackley.
Gridley, Clara H. ........................................................... Eldon
Home Economics, Eldon. 607 W. Wood St.
Jacobs, Frieda E. ............................................................ Perry
High School, Scarville.
Price, Evelyn ................................................................. Keswick
Keswick.
Soukup, Anna R. ............................................................. Center Point
Home Economics and Biology, Fertile.
Walker, Bess ................................................................. What Cheer
Junior High, What Cheer.

Consolidated School Education Diploma

Buschboom, Amanda Lu Ella ............................................... State Center
Geography and Hygiene, Junior High, Dysart.
Fay, Margery S. ............................................................. Troy Mills
Rural School, Anamosa. Care of Harry Sprooton.
Gallagher, Kathleen Helen ................................................. Arthur
Rural School, Arthur.
Hansen, Margaret Irma ...................................................... Popejoy
Seventh and Eighth Grades, Popejoy.
Jespersen, Mollie K. Z. ...................................................... Harlan
Kloss, Frances Powell ........................................................ Armstrong
Rural School, Armstrong.
Larson, Nettie E. ............................................................. Kanawha
Fifth Grade, Roland.
Meister, Norbert W. .......................................................... Williams
Rural School, Williams.
Moore, Margaret Elma ....................................................... Springville
Fourth Grade, Harris.
Opdahl, Florence M. .......................................................... Ireton
Thiele, Lela ................................................................. Bridgewater
Sixth Grade, Greenfield.
Zweifel, Wanda Alma ....................................................... Leeds
Fifth Grade, Aurelia.

Elementary Education Diploma for Teachers in the Upper Grades

Aikey, Mildred Corine ........................................................ Cedar Falls
Ander~on, Mamie Louise ...................................................... Farragut
Sixth Grade, Horace Mann Building, Oak Park Ill. 622 Marion St.
Asp, B. Kathleen ............................................................. Muscatine
Third Grade and Music in Second, Fifth, Sixth and Seventh Grades, Muscatine.
1211 Indiana St.
Avery, Mrs. Zoe ............................................................. Shell Rock
Rural School, Ackley.
Becker, Dorothy E. ........................................................... Merrill
History and Geography, Grades, Hinsdale, Ill. 324 Maple.
Berrier, Raymond M. ........................................................ Nashua
English, Bristow.
Berry, Emma S. .............................................................. Chillicothe
Junior High, Hubbard.
Berryhill, Goldie ............................................................ Webster City
Bielefeldt, Julia I. ............................................................. Roland
Rural School, Roland.
Bish, Mary Grace ............................................................. Newton
Rural School, Prairie City.
Brahm, Beulah Mae ........................................................ Sanborn
Sixth and Seventh Grades, Melvin.
Cole, Anna Bertha ........................................................... Iowa City
Substitute Teacher, Rural School, Iowa City, Route 2.
Cook, Claudine E. ............................................................ Mystic
Sixth Grade, Marengo.
Devers, Ida ................................................................. Nodaway
Second Grade, Nodaway.
Dingman, Mrs. E. Pearl ..................................................... Scranton
English, Junior High, Orange City.
Dougherty, Ruth H. ....................................................... Bedford
Frost, Hazel E. ......................................................... Center Junction
Goeders, Leo ................................................................. Emmetsburg
Hadley, Alice ............................................................... Storm Lake
Harris, S. Everett ......................................................... Harpers Ferry, W. Va.
Hoffman, Ruth R. ......................................................... Conrad
Huffman, Wanda ............................................................ Mystic
Johnson, Ninian A. ...................................................... Marengo
Kane, Margaret S. ......................................................... Danbury
Kelly, Virginia .............................................................. Cedar Falls
Kemis, Helen Gertrude .................................................... Spencer
Laird, Bernadetta R. ..................................................... Rockwell City
Lawson, Josephine Ruth ................................................ Ida Grove
Main, Herald P. ........................................................... Moravia
Malcolm, Gladys .......................................................... Deep River
Miller, Grace A. ........................................................... Lewis
Miller, Olavia D. .......................................................... Spencer
Mishler, Celia Hicks ..................................................... Centerville
Mitchell, Frances J. ..................................................... Charles City
Norris, Dorothy Alberta ................................................ Mechanicsville
Putnam, Dorothy F. ...................................................... Montezuma
Renaud, Lucille ........................................................... Union
Sand, Mattilda ............................................................. Independence
Schott, Anna V. ............................................................ Nemaha
Schuster, Jane Alice ..................................................... Shelby
Schuster, Hazel Blanche ................................................ Waterloo
Skilling, Margarette A. ................................................ Algona
Sommers, Hazel Blanche ................................................ Algona
Spenr, E. Lucile .......................................................... Centerville
Tierney, Mary T. .......................................................... Dunlap
Traxler, Ada C. ........................................................... Exline

Teacher, New Providence.
Teacher, Sumner.
Teacher, Waterloo.
Teacher, Creston, Franklin School.
Teacher, New London.
Teacher, Independence.
Teacher, Fort Dodge.
Teacher, Dunlap.
Teacher, Exline.
Teacher, Creston.
Teacher, Independence.
Teacher, Independence.
Teacher, Creston.
Teacher, Independence.
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Teacher, Independence.
Teacher, Independence.
Teacher, Independence.
Teacher, Independence.
Teacher, Independence.
Teacher, Independence.
Teacher, Independence.
Teacher, Independence.
Fifth Grade; Jefferson School, Cresco.

Sachau, Ida M. ...........
Pemberton, Gertrude B.
Overhoff, Dorothy L. ....
Pirie, Leota Jean .......
Mannetter, Laura E. ....
Peterson, Mabel S. .......
Morse, Helen Vivian ....
Lund, Ingeborg J. .......
Last, Evelyn Lucile ....

Fifth and Sixth Grades, Kimross.

Gribbin, Mildred L. .....  
Gardiner, Agnes A. .......
Griffith, Mildred S. ....
Hamilton, Pauline E. ...
Herrick, Gwendolen Marie
Hixenbaugh, Anna Marie

Intermediate Grades, Floyd.

Mayer, Lila Frances ..... Hartley
Meyer, Frances C. ....... Carthage, S. D.

Fifth and Sixth Grades, Fairbank.

Millar, Merle Marie .... Redfield

Sixth Grade, Keosauqua.

Last, Evelyn Lucile ....
Rural School, Sioux Rapids.

Lund, Ingeborg J. I. ...
Hampton
Rural School, Hampton.

Mackey, Ethel Harriett ...
West Liberty

Mannetter, Laura E. .... Elma

Fifth Grade, Dallas.

Johnson, Reva Leone ..... Anamosa
Third and Fourth Grades, Morley.

Kitchen, Beulah A. .......
Boone

Third and Fourth Grades, Luther. Box 39.

Klaus, Catherine R. ....
Colesburg

Second Grade, Delhi.

Kreiss, Beedie W. .......
Keosauqua

Fifth Grade, Keosauqua.

Last, Evelyn Lucile ....
Rural School, Sioux Rapids.

Lund, Ingeborg J. I. ...
Hampton
Rural School, Hampton.

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Klaus, Catherine R. ....
Colesburg

Second Grade, Delhi.

Kreiss, Beedie W. .......
Keosauqua

Fifth Grade, Keosauqua.

Last, Evelyn Lucile ....
Rural School, Sioux Rapids.
Sand, Lilah ................................ Independence
Private Tutoring, Chicago, Ill. 4852 Dorchester Ave.

Schrum, Iola ................................ New Castle, Neb.
Third and Fourth Grades, Delhi.

Scott, Bernice Glenn ........................... Russell
Primary, Millerton.

Seibolt, Irma Marion .......................... Lakota
Intermediate Grades, Lakota.

Stirm, Hilda M .................................. Alburnett
Primary, Alburnett.

Swanson, Elsa Margaret ....................... Oakley

Thompson, Mrs. Velma ................. Lake Mills

Thorne, N. Ferne ................................ Glidden
Critic in Training, Iowa State Teachers College, Cedar Falls. 2215 Campus St.

Tweten, Olga J .................................. Lake Mills
Sixth, Seventh and Eighth Grades, Kenseit.

Walter, Ruth .................................. Cresco
Third and Fourth Grades, Maple Hill.

Wassenaar, Louise ............................... Prairie City
Mathematics, Junior High, Ogden.

Primary Education Diploma

Adams, Luella .................................. Sigourney
Fifth and Sixth Grades, Randallia.

Anderson, Mabel Berniece ..................... Vinton
Waitress in Restaurant, Cedar Falls. 909 W. 23rd St.

Andrews, Ruth L ................................. Melbourne
Third Grade, Aplington.

Aughney, Florence Eva ......................... Woodbine
Third Grade, Woodbine.

Bartle, Audrey Mae ............................. Centerville
Second Grade, Centerville.

Beymer, Elizabeth ............................... Lenox
Second Grade, Lenox.

Boren, Blanche ................................... Knoxville
Grade Teacher, Swan. Box 103.

Burke, Fern L ................................... Stanton
Primary, Nodaway.

Cannell, Johanna ................................. Oelwein
Rural School, Westgate. 119 1st Ave. S.W., Oelwein.

Cheney, Lylas Rose .............................. Grundy Center
Primary, Elkport.

Clouser, Marjorie Myrlie ....................... Gilbert
Gilbert.

Corbin, Ruth Helen ............................. Glidden
Second Grade, Early.

De Rous, Ruby Greta ......................... Chapin

Diers, Mary Kathryn ............................ Fairfield
First Grade, La Porte City.

Ehmann, Ruth E .................................. Boone
First Grade, Dike.

Elliott, Iris E .................................. Russell
First and Second Grades, Rutland.

Garland, Alice C ................................ Summer

Groff, Pauline M ............................... Hartley
Second and Second Grades, Beaman.

Groeters, Marie .................................. Sanborn
Third Grade, Lake Mills.

Grouell, Esther Minna ......................... Earlham
First Grade, Armour, South Dakota.

Haller, Mrs. Ella ............................... Hampton
Rural School, Hampton. 317 8th and Cedar St.

Harstad, Vivien J .............................. Waverly
Helfter, Delia M .................................. Osage
First Grade, Marshalltown. 111 N. 3rd St.

Helm, Margarette ............................... Ashton
First Grade, Sanborn.

Hess, Mary Dorothy ............................ Bettendorf
Fifth Grade, Bettendorf. 1523 Mississippi Blvd.

Hovesteen, Carrie ............................. Williams
Primary, Lacona.

Jensen, Thelma Pauline ....................... Steamboat Rock
Primary, Curlew.
<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kessler, Irene</td>
<td>Rock Valley</td>
<td>Kindergarten Education Diploma</td>
</tr>
<tr>
<td>King, Edith E.</td>
<td>Anita</td>
<td>Clerk, Cedar Falls, 2122 College St.</td>
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<tr>
<td>King, Edith Helene</td>
<td>Centerville</td>
<td>Kindergarten, Centerville</td>
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<td>Leach, Ruth I.</td>
<td>Colfax</td>
<td>Clerk, Cedar Falls, 2122 College St.</td>
</tr>
<tr>
<td>Leeds, Lillian Viola</td>
<td>Cherokee, Route 3</td>
<td>Clerk, Cedar Falls, 2122 College St.</td>
</tr>
<tr>
<td>Lewis, Norma A.</td>
<td>Aurelia</td>
<td>Secondary Grade and Grade Music, Washita</td>
</tr>
<tr>
<td>Lingard, Marion E.</td>
<td>Otho</td>
<td>Primary and Dramatic Coach, Palo</td>
</tr>
<tr>
<td>Longbotham, Frances Isabelle</td>
<td>West Liberty</td>
<td>Third Grade, West Branch.</td>
</tr>
<tr>
<td>Lundebug, Estella H.</td>
<td>Otho</td>
<td>First and Second Grades, Luana</td>
</tr>
<tr>
<td>Lyster, Beatrice I.</td>
<td>Webb</td>
<td>Second Grade, Linn Grove</td>
</tr>
<tr>
<td>Martin, Pearl Elizabeth</td>
<td>Draper, S. D.</td>
<td>Draper, S. D. 151 Prospect Blvd.</td>
</tr>
<tr>
<td>Math, Ruth Ellen</td>
<td>McGregor</td>
<td>Rural School, McGregor</td>
</tr>
<tr>
<td>Meier, Florence A.</td>
<td>Harlan</td>
<td>Second and Third Grades, Cambridge</td>
</tr>
<tr>
<td>Meyr, Marie Ann</td>
<td>Sheffield</td>
<td>Third Grade, Northwood</td>
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<td>Moodis, Eloise Frances</td>
<td>Argyle</td>
<td>Third and Fourth Grades, Waterville</td>
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<td>McAllister, Berniece Opal</td>
<td>Palo</td>
<td>Third and Fourth Grades, Waterville</td>
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<td>McFadden, Georgia E.</td>
<td>Birmingham</td>
<td>Second Grade, Adel</td>
</tr>
<tr>
<td>Olson, Frances Helen</td>
<td>Vermillion, S. D.</td>
<td>First and Second Grades, Olds</td>
</tr>
<tr>
<td>Olson, Mamie V.</td>
<td>Olds</td>
<td>First and Second Grades, Olds</td>
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<tr>
<td>Oster, L. Erna</td>
<td>Webster</td>
<td>Primary, Harcourt</td>
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<tr>
<td>Pollock, Mrs. Marie Babitt</td>
<td>New Hartford</td>
<td>First Grade, New Hartford</td>
</tr>
<tr>
<td>Pope, Grace L.</td>
<td>Manchester</td>
<td>Second Grade, Oelwein 17 3rd Ave. N.W.</td>
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<tr>
<td>Powell, Margret E.</td>
<td>Williamson</td>
<td>First Grade, Chariton</td>
</tr>
<tr>
<td>Ruggles, Elizabeth</td>
<td>Albia</td>
<td>First and Second Grades, Albia 501 N. Ninth St.</td>
</tr>
<tr>
<td>Saunders, Gladys W.</td>
<td>Maquoketa</td>
<td>First Grade, Correctionville</td>
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<tr>
<td>Shatzer, Eva Elizabeth</td>
<td>Hartley</td>
<td>Primary, Gaze</td>
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<tr>
<td>Sherman, Melva L.</td>
<td>Independence</td>
<td>First Grade, Lamont</td>
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<tr>
<td>Sorenson, Evelyn Janet</td>
<td>Newell</td>
<td>First and Second Grades, Hayes School, Storm Lake</td>
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<tr>
<td>Steinberger, Kathryn Gertrude</td>
<td>Cedar Falls</td>
<td>Third and Fourth Grades, Lone Tree</td>
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<tr>
<td>Stiles, Evelyn I.</td>
<td>Atalissa</td>
<td>Third and Fourth Grades, Lone Tree</td>
</tr>
<tr>
<td>Sykes, E. Ruby</td>
<td>Lost Nation</td>
<td>Third and Fourth Grades, Lone Tree</td>
</tr>
<tr>
<td>Van Vleck, Jeannette Eleanor</td>
<td>Shell Rock</td>
<td>First Grade, Hansell</td>
</tr>
<tr>
<td>Weaver, Florence E.</td>
<td>Spirit Lake</td>
<td>Second and Third Grades, Adair</td>
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<td>Weed, Marion</td>
<td>Mason City</td>
<td>Wellemeyer, Ethel Marie</td>
</tr>
<tr>
<td>Welterlen, Elma Leota</td>
<td>Manchester</td>
<td>Third and Fourth Grades, Marcus</td>
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<tr>
<td>White, Mary Rachel</td>
<td>Chariton</td>
<td>Third Grade, Chariton</td>
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Kindergarten Education Diploma

Allen, Marion Lucile .................................. Sioux City
Sioux City 2311 Cypress St.
Franklin, Mary Lucile Elko, Nev.
Kindergarten, Hanna, Wyoming.

Miller, Bessie Anna Olds
Yerkes, Eleanor Louise Tama
Commercial, Tama. 1008 McClellan St.

**Teaching of Voice Diploma**

Thomas, Margaret Tydvil Hiteaman
Music Supervisor, Albia. 314 A. Ave. East.
Young, Doris Esther Traer
Music Supervisor, Havelock.

**Teaching of Piano Diploma**

Clark, Lelia M. Dewar
Teacher of Piano and Student. Iowa School for the Blind, Vinton.
Evans, Eleanor R. Lime Springs
Music Supervisor, Montezuma.
Kerr, Margretta Grundy Center
McElroy, Lucile Mary Clare
Music Supervisor and Social Science, Ottumwa Heights College, Ottumwa.
Prescott, Carol W. Waterloo
Music and Junior High English, Kanawha.

**Teaching of Violin Diploma**

Maxwell, M. Dorothy Epworth
Music Supervisor, Mallard.
Wies, Hazel M. Eldridge
Music, Massena.

**Rural Teaching Diploma**

Azeltine, Ruby Rowan
Rural School, Dows.
Bahman, Ruth Wyoming
Rural School, Wyoming.
Bralely, Berle Kellogg
Rural School, Kellogg. c/o Ernest Brooks.
Crawford, Hilda Vivian Quasqueton
Rural School, Urbana.
Hiams, Doris Rowan
Rural School, Rowan.
Miller, Marjorie E. Jesup
Rural School, Jesup, Route 3.
Oldenburger, Gertrude Parkersburg
Rural School, Parkersburg.
Olsen, Alcienne G. Kensett
Rural School, Kensett.
Paugh, Dorothy Grace Ringsted
Rural School, Milford.
Pohl, Vera Ardyce Pomeroy
Rural School, Pomeroy.
Reed, Alice M. Garrison
Rural School, Garrison.
Ross, Katherine C. Belle Plaine
Rural School, Belle Plaine
Rusch, Lelia Charlene Kingsley
Rural School, Charles City.
Seibert, Wava P. Dumont
Rural School, Manly.
Smith, Catherine A. Montour
Rural School, Gilman. c/o Glen Lovig.
Thompson, Myrtle Audrey Paullina
Rural School. Paullina.
Tjossem, Mabel Berniece Paullina
Rural School. Paulina.
Wenger, Marvel B. Reading, Minn.
Rural School, Reading, Minn.
Williams, Myrtle Cecile Hardy
Rural School, Goldfield.
GRADUATES FOR YEAR 1930

Department Certificate in Critic Training

Dexter, Leora I. ................................................. Burt
  Mrs. Aage Andersen, Waterloo. 1020 W. 3rd St.
Green, Hazel I. .................................................. Jolley
  Commercial, Girls' Technical High School, Milwaukee, Wis.
Vander Linden, Mae E. ......................................... Des Moines
  Third Grade Critic, Madison, S. Dak.

NOVEMBER, 1930

Bachelor of Arts in Education Degree

Ackerman, Kenneth K. ........................................ Dows
Creger, Leota Smith ........................................... Cedar Falls
Halstead, Alice L. ............................................. Muscatine
  Second Grade, Lincoln School, Muscatine. 703 E. 6th.
Hanson, Lillian S. ............................................. Roland
Kremer, Josephine ............................................. Beresford, S. Dak.
Lieurance, Roy Allen ......................................... Rose Hill
Luckey, Mrs. Edna Ellen ...................................... Vinton
  Study-hall supervision, High School, Vinton. 307 E. 9th St.
Mann, Grace Pearl ............................................ Marshalltown
Miller, Elsie H. ................................................ Cedar Falls
Nelson, Rena J. ................................................. St. Ansgar
  High School, Garwin.

Bachelor of Science in Education Degree

Griggs, Marcia Elaine ........................................ Cedar Falls
  Cedar Falls. 2621 Walnut St.
Quinlan, Louis John .......................................... Oxford
Wyllie, Edward B. ............................................. Sigourney

Commercial Education Diploma

Arends, Jesse Edwin Milton ............................. Alexander
  Clawson, Thelma H. ........................................ Geneva
  White, Erma Gertrude ..................................... Volga

Art Education Diploma

Arends, Jack ................................................... Aplington
Schaeffer, Margaret Joan ................................. Minneapolis, Minn.

Home Economics Education Diploma

Hunt, Fleta Lucile ........................................... Sheffield

Consolidated School Education Diploma

De Long, Beula Mae ......................................... Oskaloosa
  Oskaloosa. R.R. No. 5.
Roese, Iva Loraine ........................................ Waterville
  Waterville.

Elementary Education Diploma for Teachers in the Upper Grades

Aldinger, Mabel ............................................... Rowan
Hanlon, Louise C. ............................................ Terry
Isaacs, Carmen ................................................ Thompson
Johnson, Clara M. ........................................... Sloan
Kennedy, Margaret A. ............................................... Cedar Falls
Student, Iowa State Teachers College, Cedar Falls. 1416 Clay St.

Peters, Arlene E. ..................................................... Waterloo
Read, Alice M. .......................................................... Griswold
Tackman, Loran ......................................................... Clarksville

Elementary Education Diploma for Teachers in the Intermediate Grades

Miller, Hilda Elma ................................................... Rock Valley
Mulligan, Florence .................................................... Manchester
O'Connor, Mary Aloysia ................................................ Davenport
Schepker, Louise M. ................................................... Greeley
Thurber, Mabel R. ...................................................... Liscomb

Primary Education Diploma

Bekemeier, Elana Lydia ................................................. Hubbard
Cook, Minnie A. ......................................................... Schaller
Student, Iowa State Teachers College, Cedar Falls. 2222 Walnut St.

Edwards, Margaret Louise ........................................... Iowa City
Iowa City, 215 E. Church.

Fisher, Maurine ......................................................... Cedar Falls
Halverson, Lillian Y. ................................................... Ruthven
Ruthven.

Harmon, Marie Vera .................................................... Sheldahl
Hogle, Margaret Helen ................................................ Eldora
Eldora, 1003 17th Ave.

Johnson, Waneta J. ..................................................... Rose Hill
Leonard, Vera ............................................................ Yale

Lyke, Annabelle W. ..................................................... Mason City
Lynn, Fern O. ............................................................. Spirit Lake

Moeller, Erma Ione ...................................................... Everly

Muzzey, Marian Ethel .................................................. Waterloo

Pickerill, Doris Lucille ................................................ Shellsburg

Ressler, Eileen I. ......................................................... Revere, Minn.

Sietsema, Winnie ........................................................ Milford

Thistle, Leona Marion .................................................... Atlantic
Rural School, Atlantic.

Wright, Vey .............................................................. Winfield

Kindergarten Education Diploma

Carlson, Edith Bernice ................................................ Decorah
Edmonds, Katherine Jane .............................................. Le Mars

Fiebelkorn, Elizabeth M. .............................................. Sheldon

Rural Teaching Diploma

Eiten, Lena ............................................................... Wellsburg
Rural School, Wellsburg.

Hamdorf, Hazel Henrietta ............................................ Lowden
Hultzman, Helen F. ...................................................... Osage

Rouza, Margaret M. ..................................................... Postville

Sorensen, Constance Leonora ......................................... West Branch
Student, Iowa State Teachers College, Cedar Falls. 2126 Olive St.

Department Certificate in Critic Training

Hanson, Lillian S. ...................................................... Roland
Kremer, Josephine ...................................................... Beresford, S. Dak.
### SUMMARY OF STUDENTS

**JUNE 5, 1929 TO JUNE 2, 1930**

#### I. Classification

**A. According to Curriculums**

<table>
<thead>
<tr>
<th>Men</th>
<th>Women</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>36</td>
<td>40</td>
<td>76</td>
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1. **Students with College Degrees**

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<tr>
<td>Seniors</td>
<td>211</td>
<td>319</td>
</tr>
<tr>
<td>Juniors</td>
<td>169</td>
<td>528</td>
</tr>
<tr>
<td>Sophomores</td>
<td>144</td>
<td>131</td>
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<tr>
<td>Freshmen</td>
<td>206</td>
<td>227</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>730</strong></td>
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2. **Students on Four-Year College Curriculums**

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<tbody>
<tr>
<td>Seniors</td>
<td>211</td>
<td>319</td>
</tr>
<tr>
<td>Juniors</td>
<td>169</td>
<td>528</td>
</tr>
<tr>
<td>Sophomores</td>
<td>144</td>
<td>131</td>
</tr>
<tr>
<td>Freshmen</td>
<td>206</td>
<td>227</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>730</strong></td>
<td><strong>1205</strong></td>
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3. **Students on Two-Year or Three-Year Diploma Curriculums**

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<tr>
<td>Third Year</td>
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<tr>
<td>Public School Music</td>
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<td>Second Year</td>
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<td>Art</td>
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<td>Consolidated School</td>
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<td>Elementary Education (Upper and Intermediate grades)</td>
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<td>405</td>
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<tr>
<td>Home Economics</td>
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<td>45</td>
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<td>Kindergarten</td>
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<td>33</td>
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<tr>
<td>Manual Arts</td>
<td>14</td>
<td>318</td>
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<td>Primary</td>
<td>123</td>
<td>267</td>
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<td>Public School Music</td>
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<tr>
<td>First Year</td>
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<td>Art</td>
<td>16</td>
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<td>Commercial</td>
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<td>Rural and Consolidated School</td>
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<td>455</td>
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<td>Home Economics</td>
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<td>46</td>
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<td>Kindergarten</td>
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<td>Manual Arts</td>
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<td><strong>Total</strong></td>
<td><strong>123</strong></td>
<td><strong>2387</strong></td>
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4. **Twelve Weeks Normal Training (Collegiate)**

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<tr>
<td>26</td>
<td>404</td>
<td>430</td>
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5. **Special Music (Piano, Organ, Voice, Violin, and other Orchestral Instruments) not on other curriculums (Collegiate)**

<p>| | | |</p>
<table>
<thead>
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<tbody>
<tr>
<td>9</td>
<td>37</td>
<td>46</td>
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6. **Special Students (Students past 21 years of age who do not have 13 units of entrance credit)**

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<tbody>
<tr>
<td>6</td>
<td>86</td>
<td>92</td>
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7. **Students in Non-Residence Collegiate Work**

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<tbody>
<tr>
<td>930</td>
<td>4159</td>
<td>5089</td>
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8. **Students in Sub-Collegiate Classes**

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<tbody>
<tr>
<td>30</td>
<td>135</td>
<td>165</td>
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<table>
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<tbody>
<tr>
<td>974</td>
<td>4448</td>
<td>5422</td>
</tr>
<tr>
<td>B. By terms in Residence Work</td>
<td>Men</td>
<td>Women</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-----</td>
<td>-------</td>
</tr>
<tr>
<td>1. Summer Term, 1929</td>
<td></td>
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</tr>
<tr>
<td>Cedar Falls</td>
<td>356</td>
<td>219</td>
</tr>
<tr>
<td>Sheldon</td>
<td>20</td>
<td>191</td>
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<tr>
<td>Muscatine</td>
<td>8</td>
<td>225</td>
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<tr>
<td><strong>Total for Summer Term</strong></td>
<td>397</td>
<td>2822</td>
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<td>2. Fall Term</td>
<td>543</td>
<td>1684</td>
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<tr>
<td>3. Winter Term</td>
<td>593</td>
<td>1595</td>
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<tr>
<td>4. Spring Term</td>
<td>535</td>
<td>1537</td>
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<tr>
<td>5. Different Students for Fall, Winter, and Spring Terms</td>
<td>674</td>
<td>1877</td>
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<td><strong>Net Grand Total in Residence exclusive of Training School</strong></td>
<td>960</td>
<td>4294</td>
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<tr>
<th>II. Pupils in Training in Teaching Department</th>
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<tr>
<td>1. Campus Training School</td>
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<tr>
<td>2. East Waterloo (Pupils in Classes Taught by Students) Lower Grades</td>
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<td>Intermediate Grades</td>
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<td>3. West Waterloo (Pupils in Classes Taught by Students) Lower Grades</td>
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<td>Intermediate Grades</td>
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<td>4. Cherokee (Pupils in Classes Taught by Students) Lower Grades</td>
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<tr>
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<tr>
<td>5. Jesup (Pupils in Classes Taught by Students) Intermediate Grades</td>
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<tr>
<td>6. Hudson (Pupils in Classes Taught by Students) Lower Grades</td>
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<tr>
<td>7. Mason City (Pupils in Classes Taught by Students) Lower Grades</td>
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<td>8. Shenandoah (Pupils in Classes Taught by Students) Lower Grades</td>
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<td></td>
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<tr>
<td>Intermediate Grades</td>
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<tr>
<td>9. Rural Demonstration Schools (Affiliated with the College)</td>
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<tr>
<td>10. Consolidated Schools (Affiliated with the College)</td>
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</tr>
<tr>
<td>a. Hudson</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. Jesup</td>
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<tr>
<td><strong>Grand Total in Training Schools exclusive of duplicates</strong></td>
<td>1665</td>
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<table>
<thead>
<tr>
<th>III. Number Receiving Degrees, Diplomas, Department Certificates, and Statements of Proficiency</th>
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<tbody>
<tr>
<td>1. Master of Didactics Degree (One Year of Special Work for College Graduates)</td>
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<tr>
<td>2. Bachelor of Arts in Education Degree</td>
<td>73</td>
<td>168</td>
<td>241</td>
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<tr>
<td>3. Bachelor of Science Education Degree</td>
<td>83</td>
<td>19</td>
<td>82</td>
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<td>4. Collegiate Diplomas (Two and Three Year Curriculums of College Grade)</td>
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</tr>
<tr>
<td>(a) Art</td>
<td>13</td>
<td>13</td>
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</tr>
<tr>
<td>(b) Commercial</td>
<td>7</td>
<td>27</td>
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<tr>
<td>(c) Consolidated School</td>
<td>1</td>
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<td>(d) Elementary Education—Intermediate Grades</td>
<td>103</td>
<td>103</td>
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<tr>
<td>(e) Elementary Education—Upper Grades</td>
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<td>152</td>
<td>160</td>
</tr>
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<td>(f) Home Economics</td>
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<td>33</td>
<td></td>
</tr>
<tr>
<td>(g) Kindergarten</td>
<td>25</td>
<td>25</td>
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<tr>
<td>(h) Manual Arts</td>
<td>14</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>(i) Primary</td>
<td>176</td>
<td>176</td>
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<tr>
<td>(j) Public School Music</td>
<td>2</td>
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<td>27</td>
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<tr>
<td><strong>Total Graduates</strong></td>
<td>171</td>
<td>838</td>
<td>1009</td>
</tr>
</tbody>
</table>

| 6. Special Music Diplomas                                                                    |     |       |       |
| (a) Organ                                                                                   | 2   | 2     |       |
| (b) Piano                                                                                    | 4   | 4     |       |
| (c) Voice                                                                                   | 9   | 9     |       |
| **Total Graduates**                                                                          | 171 | 838   | 1009  |

| 7. Department Certificates                                                                  |     |       |       |
| Critic Teacher                                                                              | 6   | 6     |       |

| 8. Statement of Proficiency                                                                  |     |       |       |
| Swimming                                                                                    | 1   | 1     |       |

| Grand Total                                                                                  | 171 | 838   | 1009  |
INDEX

Absences ............................................. 35
Acceptance of credits from other insti-
tutions committee .......................... 22
Admission to curriculums .................. 33
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Advisers .............................................. 35
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Agriculture major, curriculum .......... 55
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fificate .............................................. 37, 38
Amount of work ................................ 35
Applied music, credit in .................... 43
Art courses ......................................... 57
Art major curriculum ....................... 50
Athletic board ................................... 23
Attendance required for graduation ..... 36
Bachelor of Arts in education degree, curriculums . 46-52
Bachelor of Science in education de-
gree, curriculums ............................. 52-56
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