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COLLEGE CALENDAR FOR 1936-37

Summer Term, 1936—Twelve Weeks

1936
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—Graduating Exercises, 7:30 p.m.
Aug. 21, Friday—Term ends, 12:00 noon

Fall Term, 1936—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—Term ends, 12:00 noon

Winter Term, 1936-37—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, 5:00 p.m.

1937
Jan. 4, Monday—Instruction resumes, 8:00 a.m.
March 5, Friday—Term ends, 12:00 noon

Spring Term, 1937—Twelve Weeks

March 8, Monday—Registration, 8:00 a.m. to 5:00 p.m.
March 9, Tuesday—Instruction begins, 8:00 a.m.
May 31, Monday—Sixtieth Annual Commencement
Term ends, 12:00 noon

Summer Term, 1937—Twelve Weeks

June 2, Wednesday—Registration, 7:00 a.m. to 5:00 p.m.
June 3, Thursday—Instruction begins, 7:30 a.m.
July 5, Monday—A Holiday.
Aug. 19, Thursday—Graduating Exercises, 7:30 p.m.
Aug. 20, Friday—Term ends, 12:00 noon

Fall Term, 1937—Twelve Weeks

Sept. 6, Monday—Beginning of the Fall Term
IOWA STATE BOARD OF EDUCATION

OFFICERS OF THE BOARD

GEORGE T. BAKER, President
WILLIAM H. GEMMILL, Secretary

MEMBERS OF THE BOARD

J. H. ANDERSON, Thompson
THOS. W. KEENAN, Shenandoah
HARRY M. NEAS, Sigourney
S. J. GALVIN, Sheffield
HENRY C. SHULL, Sioux City
MRS. CORA SIMPSON, Decorah
GEORGE T. BAKER, Davenport
ANNA B. LAWTHER, Dubuque
JOHN P. WALLACE, Des Moines

Members expire July 1, 1937

MEMBERS OF THE FINANCE COMMITTEE

Office, Des Moines

WILLIAM R. BOYD, Cedar Rapids, Chairman
WILLIAM H. GEMMILL, Des Moines, Secretary
WILLIAM G. NOTH, Des Moines

COMMITTEES OF THE BOARD

Faculty Committee

ANNA B. LAWTHER, Chairman
J. H. ANDERSON
HENRY C. SHULL

Building and Business Committee

S. J. GALVIN, Chairman
THOS. W. KEENAN
HARRY M. NEAS

MRS. CORA SIMPSON
GEORGE T. BAKER

GEORGE T. BAKER
WILLIAM H. GEMMILL
OFFICERS OF ADMINISTRATION AND INSTRUCTION, 1935-36

OFFICERS OF ADMINISTRATION

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

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 (1924)

JOSEPH B. PAUL, B.A., Indiana University, 1911; M.A., University of Wisconsin, 1914; Ph.D., 1931
Director of the Bureau of Research, 1916 (1934)

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

ALBERT C. FULLER, B.A., State University of Iowa, 1911
Director of the Bureau of Alumni Affairs and Public School Relationships, 1917 (1934)

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

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)

M. J. NELSON, B.A., Luther College, 1916; M.A., University of Wisconsin, 1924; Ph.D., 1928
Dean of the Faculty, 1924 (1934)

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

GEORGE H. HOLMES, B.A., University of Michigan, 1925; M.A., 1926
Director of the Publicity Bureau, 1929

ELDON E. COLE, B.S., Iowa State College, 1921
Superintendent of Buildings and Grounds, 1930 (1931)

HAROLD A. BOSLEY, B.A., Nebraska Wesleyan University, 1930; B.D., University of Chicago, 1932; Ph.D., 1933
Director of the Bureau of Religious Activities, 1934

*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*

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 (1924)

AGNES B. COLE, B.Ph., University of Chicago, 1928; M.A., Columbia University, 1933
Assistant Professor of Art, 1921 (1932)

CORLEY AGNES CONLON, B.A., Iowa State Teachers College, 1931; M.A., Columbia University, 1932
Instructor in Art, 1923

HAROLD G. PALMER, B.A., Iowa State Teachers College, 1924; M.A., State University of Iowa, 1932
Instructor in Manual Arts, 1924

Education

E. C. DENNY, B.A., Indiana University, 1915; M.A., University of Chicago, 1916; Ph.D., State University of Iowa, 1932
Professor of Education and Head of the Department, 1923 (1934)

G. W. WALTERS, B.S., Iowa Wesleyan College, 1879; M.S., 1882
Professor Emeritus, Part-time Service, 1896 (1934)

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)

JOHN R. SLACKS, B.Ph., University of Chicago, 1930; M.A., 1930
Associate Professor of Rural Education, 1918 (1932)

MAY SMITH, B.A., Coe College, 1905; M.A., Columbia University, 1929
Associate Professor of Education, 1919 (1932)

AMY F. AREY, B.S., Columbia University, 1905; M.A., 1906
Associate Professor of Education, 1919 (1932)

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

CHARLES O. TODD, B.A., Indiana University, 1911; M.A., University of Chicago, 1916
Associate Professor of Education, 1922 (1932)

M. J. WILCOX, B.S., Cornell College, 1914; M.A., State University of Iowa, 1917; Ph.D., 1932
Assistant Professor of Education, 1923 (1932)

A. E. BROWN, B.S., Baker University, 1909; M.A., Yale University, 1910; Ph.D., State University of Iowa, 1931
Associate Professor of Education, 1924 (1932)

D. P. PHILLIPS, B.A., Upper Iowa University, 1915; M.A., State University of Iowa, 1923; Ph.D., 1932
Assistant Professor of Education, 1924 (1932)

H. A. RIEBE, B.Ph., University of Wisconsin, 1923; M.Ph., 1923; Ph.D., 1929
Associate Professor of Education, 1925 (1932)

*Names of members of each departmental staff, other than the head, are arranged according to institutional seniority.
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., 1906
Professor of English, 1907 (1909)

W. B. FAGAN, B.A., Earlham College, 1910; M.A., University of Kansas, 1915
Associate Professor of English, 1915 (1932)

ANNA MARIE SORENSON, B.A., State University of Iowa, 1907; M.A., 1912
Associate Professor of English, 1921 (1932)

†HAZEL B. STRAYER, B.A., Iowa State Teachers College, 1914; M.A., Columbia University, 1923
Associate Professor of Oral Interpretation, 1921 (1932)

SELINA M. TERRY, B.Ph., Hamline University, 1903; M.A., 1907
Professor of English, 1922 (1933)

IDA C. ROHLF, B.A., Iowa State Teachers College, 1915; M.A., State University of Iowa, 1923
Assistant Professor of English, 1923 (1926)

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

NELIUS O. HALVORSON, B.A., Luther College, 1921; M.A., State University of Iowa, 1925; Ph.D., 1929
Associate Professor of English, 1929 (1932)

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 (1934)

H. DARKES ALBRIGHT, B.A., Lebanon Valley College, 1928; M.A., Cornell University, 1931
Instructor in English, 1934

VIOLA MAE POWELL, B.A., University of California, 1923; Ph.D., Charles University, Prague, Czechoslovakia, 1930
Visiting Assistant Professor of Oral Interpretation, 1935

Home Economics

BEATRICE J. GEIGER, B.S., University of Chicago, 1919; M.S., Columbia University, 1926; Ph.D., University of Wisconsin, 1932
Professor of Home Economics and Head of the Department, 1932

BERNICE ALLEN, B.S., Columbia University, 1926; M.A., 1931
Assistant Professor of Home Economics, 1926 (1932)

T. LUCILLE McCALL, B.A., Southwestern College, 1926; M.S., Kansas State College, 1929
Instructor in Home Economics, 1935

Languages

INGEBRIGT LILLEHEI, B.A., University of Minnesota, 1908; M.A., 1909; Ph.D., University of Illinois, 1914
Professor of French and Spanish and Head of the Department, 1918 (1934)

FRANK IVAN MERCHANT, B.A., Shurtleff College, 1880; M.A., Ph.D., University of Berlin, 1890
Professor Emeritus, Part-time Service, 1907 (1934)

ISABEL THOMES, B.A., University of Kansas, 1912; M.A., University of Michigan, 1924
Associate Professor of Spanish and French, 1918 (1932)

HOMER C. HADDOX, B.A., Ohio State University, 1913; M.A., 1917
Assistant Professor of French and Spanish, 1923

†On leave of absence.
EDNA O. MILLER, B.A., Iowa State Teachers College, 1918; M.A., Columbia University, 1924
Assistant Professor of Latin, 1924 (1927)
JOSEF SCHAEPER, State Examination, University of Freiburg, 1923; Ph.D., 1924
Associate Professor of German, 1926 (1933)

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
Associate 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., 1906
Professor of Mathematics, 1920
GEORGE R. MACH, B.S., University of Illinois, 1921; M.S., 1922
Assistant Professor of Commercial Education, 1923 (1932)
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
Associate Professor of Commercial Education, 1924 (1932)
JULIA M. MYERS, B.A., Iowa State Teachers College, 1924; M.A., Columbia University, 1931
Instructor in Commercial Education, 1924

Music
EDWARD KURTZ, B.Mus., Detroit Conservatory, 1926; M.Mus., Cincinnati Conservatory of Music, 1927; M.A., State University of Iowa, 1933
Professor of Violin, Conductor of the College Symphony Orchestra, and Head of the Department, 1924 (1934)
GEORGE W. SAMSON, JR., Iowa State Teachers College, 1900-04
Instructor in Organ, 1916
WILLIAM E. HAYS, B.Mus., Chicago Musical College, 1932; M.Mus., De Paul University, 1934
Assistant Professor of Voice, 1921 (1932)
ROSE LEMA RUEGNITZ, B.Mus., Northwestern University, 1920; M.Mus., Cosmopolitan Conservatory, 1931
Assistant Professor of Piano, 1923 (1932)
ALTA FREEMAN, B.Mus., Chicago Musical College, 1931; M.Mus., Assistant Professor of Piano, 1928 (1932)
ALPHA CORINNE MAYFIELD, B.S., Northeast Missouri State Teachers College, 1927; M.A., Columbia University, 1932
Instructor in Music, 1924
†LUTHER A. RICHMAN, B.S., Northwest Missouri State Teachers College, 1926; M.Mus., Cincinnati Conservatory of Music, 1931; M.A., University of Cincinnati, 1931
Assistant Professor of Voice, 1925 (1932)
OLIVE L. BARKER, B.A., Iowa State Teachers College, 1931; M.A., Columbia University, 1932
Instructor in Voice and Music, 1926
IRVING WOLFE, B.A., Iowa State Teachers College, 1925; M.S., Northwestern University, 1931
Instructor in Music, 1926

†On leave of absence.
ROLAND SEARIGHT, B.A., Grinnell College, 1922; M.A., Eastman School of Music, University of Rochester, 1930
Assistant Professor of Violoncello and Orchestral Conducting, 1927

MYRON RUSSELL, B.Mus., Kansas State Agricultural College, 1927; M.Mus., Eastman School of Music, University of Rochester, 1932
Instructor in Woodwind Instruments and Director of the College Band, 1929

FRANK W. HILL, B.Mus., Eastman School of Music, University of Rochester, 1930; M.Mus., 1932
Instructor in Violin, Viola, Ensemble, and Instrumentation, 1929

CARL A. WIRTH, B.Mus., Eastman School of Music, University of Rochester, 1934; M.Mus., 1935
Instructor in Brass Instruments, 1935

Physical Education for Men

L. L. MENDENHALL, LL.B., State University of Iowa, 1917; M.A., 1922
Professor of Physical Education for Men and Head of the Department, 1921 (1933)

PAUL F. BENDER, B.A., State University of Iowa, 1918; M.A., Columbia University, 1931
Assistant Professor of Physical Education for Men, 1921

ARTHUR DICKINSON, B.A., Iowa State Teachers College, 1917; M.A., State University of Iowa, 1933
Instructor in Physical Education for Men, 1924

LAWRENCE W. WHITFORD, B.A., Iowa State Teachers College, 1924
Instructor in Physical Education for Men, 1926

DAVID H. McCUSKEY, B.S., Iowa State Teachers College, 1930; M.A., Columbia University, 1933
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 Head of the Department, 1913 (1931)

DORIS E. WHITE, B.A., Simpson College, 1911; M.A., Columbia University, 1931
Associate Professor of Physical Education for Women, 1915 (1922)

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 University, 1925
Assistant Professor of Physical Education for Women, 1925 (1932)

DOROTHY MICHEL, B.S., University of Minnesota, 1924; M.A., Columbia University, 1931
Instructor in Physical Education for Women, 1927

MAUDE E. MOORE, B.A., Iowa State Teachers College, 1927; M.A., Columbia University, 1931
Instructor in Physical Education for Women, 1927

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

KATHLEEN J. BROPHY, B.S., University of Wisconsin, 1922; M.S., 1933
Visiting Instructor in Physical Education for Women, 1925

Science

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

LOUIS BEGEMAN, B.S., University of Michigan, 1889; M.S., 1897; Ph.D., University of Chicago, 1910
Professor Emeritus, Part-time Service, 1899 (1935)

†On leave of absence
S. FREEMAN HERSEY, B.Ph., Beloit College, 1892
Associate Professor Emeritus, Part-time Service, 1899 (1935)

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

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)

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

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

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

H. EARL RATH, B.S., Iowa State College, 1916; M.S., 1923
Assistant Professor of Health Education, 1921 (1932)

MARGUERITE UTTLEY, B.A., Iowa State Teachers College, 1915; M.S., University
of Chicago, 1921
Associate Professor of Geography, 1921 (1932)

C. W. LANTZ, B.A., University of Illinois, 1913; M.A., 1914; Ph.D., 1925
Professor of Biology, 1921 (1933)

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

Social Science

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

SARA M. RIGGS, B.L., University of Michigan, 1894
Associate Professor Emeritus, Part-time Service, 1887 (1934)

MARY B. HUNTER, B.A., Iowa State Teachers College, 1912; M.A., University of
Chicago, 1918
Associate Professor of Economics, 1918 (1932)

GEORGE C. ROBINSON, B.A., University of Wisconsin, 1916; M.A., Harvard Uni-
versity, 1920; Ph.D., 1932
Professor of Government, 1922 (1933)

CARL H. ERBE, B.A., Iowa State Teachers College, 1920; M.A., State University of
Iowa, 1924; Ph.D., 1925
Professor of Government, 1925 (1933)

FRED W. WELLBORN, B.A., Baker University, 1918; M.A., University of Kansas,
1923; Ph.D., University of Wisconsin, 1926
Associate Professor of History, 1926 (1932)

RALPH R. FAHRNEY, B.A., Mount Morris College, 1919; M.A., University of
Chicago, 1922; Ph.D., 1929
Associate Professor of History, 1929 (1934)

MARSHALL R. BEARD, B.A., Marion College, 1925; M.A., University of Wisconsin,
1928; Ph.D., 1930
Assistant Professor of History, 1930 (1934)

†ROBERT W. HARRESON, B.A., Western Reserve University, 1925; M.A., Harvard
University, 1926; Ph.D., 1931
Assistant Professor of Economics, 1931 (1934)

†† On leave of absence.
JAMES C. DOCKERAY, B.A., Ohio Wesleyan University, 1929; M.A., Ohio State University, 1931
Visiting Instructor in Economics, 1935

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 RAFF, B.A., Iowa State Teachers College, 1920; M.A., Columbia University, 1927
Associate Professor of Teaching, 1914 (1932)

EULALIE TURNER, B.S., State University of Iowa, 1923; M.A., Columbia University, 1928
Assistant Professor of Teaching, 1915 (1923)

ALTA L. WILMARTh, B.A., Iowa State Teachers College, 1921; M.A., State University of Iowa, 1926
Assistant Professor of Teaching, 1919 (1932)

ROSE L. HANSON, B.S., University of Nebraska, 1920; M.A., State University of Iowa, 1932
Assistant Professor of Teaching, 1920 (1934)

MARRA PETERSON, B.Ph., University of Chicago, 1913; M.A., Columbia University, 1925
Associate Professor of Teaching, 1920 (1932)

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; M.A., Columbia University, 1932
Instructor in Teaching, 1922

MARY P. CALDWELL, B.A., Iowa State Teachers College, 1919; M.A., Columbia University, 1926
Assistant Professor of Teaching, 1922 (1932)

MINNIE E. STARR, B.Mus., Northwestern University, 1931; M.S., 1932
Assistant Professor of Teaching, 1922 (1927)

EDNA MANTOR, B.A., Iowa State Teachers College, 1927; M.A., Columbia University, 1931
Instructor in Teaching, 1923

CYRIL L. JACKSON, B.A., Grinnell College, 1913; M.A., State University of Iowa, 1924
Associate Professor of Teaching and High School Principal, 1924 (1934)

EDITH L. BARBER, B.S., Columbia University, 1924; M.A., 1929
Assistant Professor of Teaching, 1924 (1932)

ANNABELLE POLLOCK, B.A., Iowa State Teachers College, 1921; M.A., State University of Iowa, 1930
Assistant Professor of Teaching, 1924 (1932)

DORA E. KEARNEY, B.A., University of Minnesota, 1920; M.A., 1924
Assistant Professor of Teaching, 1925 (1932)

MARIE HJELLE, B.A., Iowa State Teachers College, 1925; M.A., Columbia University, 1931
Instructor in Teaching, 1925

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; M.A., Columbia University, 1932
Instructor in Teaching, 1926

GLADYS I. EVANS, B.A., Grinnell College, 1921; M.A., State University of Iowa, 1926
Assistant Professor of Teaching, 1926
NATHANIEL O. SCHNEIDER, B.S., University of Minnesota, 1921; M.A., State University of Iowa, 1931
Assistant Professor of Teaching, 1926

AGNES GULLICKSON, B.A., Iowa State Teachers College, 1926; M.A., Columbia University, 1932
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; M.A., Columbia University, 1932
Instructor in Teaching, 1927

MARGARET DIVELEBESS, 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; M.A., Columbia University, 1932
Instructor in Teaching, 1927

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

LUCILE E. ANDERSON, B.A., Iowa State Teachers College, 1924; M.A., University of Chicago, 1930
Instructor in Teaching, 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, 1928
Instructor in Teaching, 1931

BERNICE BRYAN, B.S., Columbia University, 1931; M.A., 1933
Instructor in Teaching, 1931

ELIZABETH O. NELSON, B.A., University of Wisconsin, 1925; M.A., Harvard University, 1932
Instructor in Teaching, 1932

LULU MARIE JENKINS, B.A., University of California, 1921; M.A., 1925; Ph.D., Columbia University, 1930
Instructor in Teaching, 1933

DOROTHY KOEHRING, B.A., Kansas State University, 1921; M.A., Columbia University, 1922; Ph.D., Yale University, 1933
Instructor in Teaching, 1933

OLIVE PAINE, B.Ph., University of Chicago, 1913; M.A., Columbia University, 1924; Ph.D., Yale University, 1930
Assistant Professor of Teaching, 1933
MAE RUPPEL, B.A., Carthage College, 1921; M.A., Columbia University, 1932
Instructor in Teaching, 1934

GLADYS HANSON, B.A., Iowa State Teachers College, 1932; M.A., Columbia University, 1933
Instructor in Teaching, 1935

M. MILDRED RICE, B.S., Ohio University, 1928; M.A., Columbia University, 1929
Instructor in Teaching, 1935

Instructor in Teaching, 1935

MARGUERETTE MAY STRUBLE, B.A., State University of Iowa, 1922; M.A., 1928; Ph.D., 1932
Assistant Professor of Teaching, 1935

EXTENSION DIVISION

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

C. A. FULLERTON, B.S., Iowa State Teachers College, 1890; M.Mus., Chicago Musical College, 1931
Professor Emeritus, Part-time Service, 1897 (1934)

F. E. FULLER, B.A., Albion College, 1902; M.S., Iowa State College, 1935
Assistant Professor of Natural Science, 1917 (1932)

FRED D. CRAM, B.A., Iowa State Teachers College, 1909; M.A., State University of Iowa, 1920
Associate Professor of Education, 1920 (1932)

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

LOU A. SHEPHERD, B.A., Iowa State Teachers College, 1919; M.A., Columbia University, 1924
Associate Professor of Primary Education, 1924 (1932)

H. C. MOELLER, B.A., Iowa State Teachers College, 1924
Instructor in Rural Education, 1926

HOWLAND HANSON, B.A., Princeton University, 1892; D.D., Des Moines University, 1927
Professor Emeritus, Part-time Service, 1928 (1934)

BRANCH SUMMER SCHOOL, 1935
AT SHENANDOAH

E. L. RITTER, Ph.D., Director
Education

EULALIE TURNER, M.A.
Natural Science
Industrial Arts

H. C. MOELLER, B.A.
Education

FRED D. CRAM, M.A.
Social Science

LOU A. SHEPHERD, M.A.
Education

MINNIE E. STARR, M.S.
Music

ETHEL FITZSIMONS, M.A.
English

DOROTHY HAPPA, M.S.
Natural Science
Social Science
OTHER OFFICERS AND ASSISTANTS

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 Librarian, 1916

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

IRENE A. EHRESMAN, B.A., Carleton College, 1909; Library Diploma, University of Wisconsin, 1926
   Librarian in charge of Periodicals and Extension Service, 1926

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

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

ANNE L. JONES, B.A., Oberlin College, 1929; Library Diploma, University of Michigan, 1935
   Assistant in Circulation, 1935

HELEN Y. NEWMEYER, B.S., Carnegie Library School, 1933
   Juvenile Librarian, 1935

Bartlett Hall and Commons Staff

MARY E. HAIGHT, Home Economics Diploma, Bradley Polytechnic Institute, 1908
   Director of Bartlett Hall, 1921

MRS. F. C. MOIR
   Housekeeper, 1918 (1931)

E. RUTH MITCHELL
   Director of Foods, 1927 (1931)

CENA OLMSTEAD
   Assistant Director of Foods, 1933

JANET C. WORKS, B.Ph., University of Chicago, 1931
   Social Director of the Commons, 1934

MARGARET E. MARTIN, B.A., Smith College, 1933; M.A., Columbia University, 1934
   Personnel Assistant in Bartlett Hall, 1934

ANITA V. GREEN, B.A., Ohio State University, 1933; M.D., 1933
   Health Director of Bartlett Hall, 1935

ILIS HOBBS, B.S., Iowa State College, 1934
   Manager of the Commons Fountain Room, 1935

Hospital Staff

MRS. BIRDIE M. BICKLEY, R.N., 1916
   Supervisor, 1925

MRS. CLARA HOUGHKIRK, R.N., 1914
   Nurse, 1925

JESSIE JOYCE, R.N., 1918
   Nurse, 1934

†On leave of absence.
FACULTY

Clerical Division

ANNA R. WILD
Supervisor, 1896

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 C. MCKITRICK
Secretary, Extension Division, 1921

MRS. ANNA N. 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, B.A., Iowa State Teachers College, 1933
Clerk, General College Office, 1923

MRS. MARIE U. HARPER
Stenographer, Extension Division, 1923

MRS. MABEL VOGT, Primary Education Diploma, Iowa State Teachers College, 1922
Clerk, Multigraph Department, 1923

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

MRS. GLADYS BAUCHMAN, Commercial Diploma, Iowa State Teachers College, 1919
Bookkeeper, Office of the Financial Secretary, 1927

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

LOTTIE L. HAYES
Stenographer, General College Office, 1928

MRS. AILEEN HALE
Operator, Multigraph Department, 1928

GLADYCE GOODER
Stenographer, Office of the Dean of the Faculty, 1928 (1934)

GRACE DERSCHEID
Stenographer, Placement Bureau, 1929

MRS. WANDA SEVERIN
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

HELEN L. MEYER
Operator, Multigraph Department, 1929

LOIS DALTON
Secretary, Publicity Bureau, 1929

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

MARY D. ANDERSON, B.A., Iowa State Teachers College, 1932
Stenographer, Office of the President, 1930 (1934)

MRS. BERNICE DEBOWER
Secretary, Department of Teaching, 1930

MRS. LORETTA BREWER
Secretary, Department of Music, 1930 (1934)
A. Madelyn Bergstrom, B.S., Iowa State Teachers College, 1934
Secretary, Bureau of Research, 1934

Helen Cowie, B.A., Iowa State Teachers College, 1931
Secretary to the Dean of the Faculty, 1934

Lillian P. Dresser, B.A., Iowa State Teachers College, 1929
Secretary and Pianist, Department of Physical Education for Women, 1934

Helga Falkenberg
Bookkeeper, Office of the Financial Secretary, 1934

M. Geneva Nay, B.S., Iowa State Teachers College, 1931
Secretary, Department of Education, 1934

Beulah Nunamaker, B.A., Iowa State Teachers College, 1929
Clerk, General College Office, 1934

Esther Bley, B.A., Iowa State Teachers College, 1933
Accompanist and Librarian Department of Music, 1934

Ruth Meyer, B.A., Iowa State Teachers College, 1929
Stenographer, Placement Bureau, 1934

Harry Burrell, B.A., State University of Iowa, 1934
Assistant, Publicity Bureau, 1934

Helene J. Brown, B.S., Iowa State Teachers College, 1935
Stenographer, Office of the Dean of Women, 1935

Donald E. Finlayson, B.A., Iowa State Teachers College, 1935
Assistant, Publicity Bureau, 1935

Wilma Fortsch, B.S., Iowa State College, 1930
Stenographer, General College Office, 1935

Mrs. Blanche Harland, Advanced Diploma, Winona State Teachers College, 1921
Clerk, Bureau of Research, 1935

HeLEN H. Martin
Clerk, Office of the Financial Secretary, 1935

Florence M. Pieres
Secretary, Bureau of Alumni Affairs and Public School Relationships, 1935

Katherine Saret, B.A., Iowa State Teachers College, 1934
Clerk, Placement Bureau, 1935

Leona F. Smith
Filing Clerk, Office of the Registrar, 1935

Sylvera E. Wenger, B.S., Iowa State Teachers College, 1934
Stenographer, Placement Bureau, 1935

Elizabeth Hellen, B.S., State University of Iowa, 1935
Secretary, Commons, 1935
COMMITTEES OF THE FACULTY, 1935-36

I. ADMINISTRATIVE COMMITTEES
(Chairman's name first)

1. Curricula
   1. Dean of the Faculty, ex officio
   2. E. J. Cable
   3. Ira S. Condit
   4. Beatrice Geiger
   5. E. C. Denny

2. Student Welfare
   1. Dean of Women, ex officio
   2. Dean of Men, Secretary, ex officio
   3. Selina M. Terry
   4. H. A. Riebe
   5. Carl H. Erbe

3. Student Loan Fund
   1. Katherine Buxbaum
   2. R. R. Fahrney
   3. Marguerite Uttley
   4. Dean of Women, ex officio
   5. Dean of Men, ex officio
   6. Financial Secretary, ex officio

4. Interpretation of Faculty Regulations
   1. I. H. Hart
   2. Eva May Luse
   3. I. L. Lillehei
   4. C. S. Cory, Secretary, ex officio

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

6. Commencements
   1. H. A. Riebe
   2. F. W. Lambertson
   3. Roland Searight
   4. Corley Conlon
   5. Sadie B. Campbell
   6. Leslie I. Reed
   7. Benjamin Boardman
   8. L. L. Sage

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

8. Board of Health
   1. Health Director
   2. Dean of the Faculty
   3. Dean of Women
   4. Dean of Men
   5. Head of the Department of Physical Education for Women
   6. Head of the Department of Physical Education for Men
   7. Health Supervisor of Bartlett Hall

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

10. Recreation Park
    1. C. S. Cory
    2. C. H. Bailey
    3. J. W. Charles
    4. L. L. Mendenhall
    5. Doris E. White

11. Special Memorial Days
    1. I. H. Hart
    2. F. W. Lambertson
    3. Geo. R. Mach

12. Editing of Faculty Rules and Regulations
    1. I. H. Hart
    2. C. S. Cory
    3. N. O. Halvorson
II. STUDENT ADVISORY COMMITTEE

(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. H. A. Riebe
   2. C. O. Todd
   3. M. J. Wilcox
   4. D. P. Phillips
   5. J. W. Charles

3. Kindergarten-Primary Education
   1. Amy F. Arey
   2. Olive Paine
   3. E. Grace Rait
   4. Dorothy Koehring
   5. Bernice Bryan

4. Normal Training and Special Students
   1. Mary B. Hunter
   2. Emma Lambert
   3. Ida C. Rohlf
   4. The Registrar

5. Rural Education—John R. Slacks

6. Major Studies
   (1) Education—E. C. Denny
   (2) Teaching and Critic Training—Eva May Luse
   (3) English and Public Speaking—S. A. Lynch
   (4) Mathematics—I. S. Condit
   (5) Commercial Education—I. S. Condit
   (6) Languages—Latin, German, French, and Spanish—I. L. Lillehei
   (7) Social Science—History, Government, and Economics—M. R. Thompson
   (8) Home Economics—Beatrice J. Geiger
   (9) Science—Agriculture, Biological Science, Earth Science, Physics and Chemistry—E. J. Cable
   (10) Art and Industrial Arts—C. H. Bailey
   (11) Physical Education for Men—Coaching and Athletics—L. L. Mendenhall
   (12) Physical Education for Women—Monica R. Wild
   (13) Music—Public School Music and Orchestral and Band Music—Edward Kurtz

III. EXCUSING OFFICERS

1. For late enrollment of all students—Dean of the Faculty, M. J. Nelson

2. For other absences
   a. For men students—Dean of Men, Leslie I. Reed
   b. For women students—Dean of Women, Sadie B. Campbell
IV. COMMITTEES FOR SPECIAL EVENTS
(Chairman’s name first)

1. Boy Scout Day (October 5, 1935)
   1. Hugh S. Buffum
   2. D. P. Phillips
   3. L. L. Mendenhall
   4. Geo. H. Holmes
   5. Benjamin Boardman

2. Homecoming (October 19, 1935)
   1. Leslie I. Reed
   2. Sadie B. Campbell
   3. L. L. Mendenhall
   4. H. A. Bosley
   5. A. C. Fuller

3. Alumni Dinner at Des Moines (November 1, 1935)
   1. A. C. Fuller
   2. Leslie I. Reed
   3. Alison E. Aitchison
   4. Louise Hearst
   5. Olive Barker
   6. Fred D. Cram
   7. Doris E. White

4. Dad's Day (November 2, 1935)
   1. Leslie I. Reed
   2. Sadie B. Campbell
   3. Ira S. Condit
   4. Mary B. Hunter
   5. F. W. Lambertson
   6. Harold G. Palmer
   7. Paul F. Bender

5. Mother's Day (May 10, 1936)
   1. Sadie B. Campbell
   2. Leslie I. Reed
   3. Selina M. Terry
   4. Edward Kurtz
   5. Corley Conlon
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 as a home for soldiers' orphans. 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 administrative heads: 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 Board of Trustees of the Iowa State Normal School was discontinued. At the same time the government of the Iowa State Teachers College, as well as of the State University of Iowa and of the Iowa State College of Agriculture and Mechanic Arts, was vested in the State Board of Education consisting of nine members appointed by the Governor.

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 Dean of the Faculty, the Financial Secretary, the Registrar, and the Supervisor of the Clerical Staff, and on the second floor the offices of the Placement Bureau and the Bureau of Research. 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, and the offices of the Extension Division. On the second and third floors are the Faculty Room, the Bureau of Alumni Affairs and Public School Relationships, the Publicity Bureau, the offices of the College Eye and of the Old Gold, Gilchrist Chapel, and practice 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 located the rooms of the Bureau of Religious Activities and of the Catholic Students’ Association, and the recitation rooms and the offices of the departments of English, of Languages, of 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 an extension of 34 feet by 40 feet. It contains the offices and instruction rooms of the Department of 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 offices, recitation rooms, laboratories, and libraries of members of the Department of Science.

The Vocational Building is at the southwest corner of the inner quadrangle and was erected in 1915. Its dimensions are 62 feet by 144 feet. It contains offices, recitation rooms, and laboratories for the work in art and industrial arts, home economics, and science.

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 southeast 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 72 feet by 169 feet, with an extension of 103 feet by 27 feet. The general reading room is decorated with mural paintings by William De Leftwich Dodge and has seats for 300 readers.

The Library contains 109,477 volumes, 545 current periodicals, 10,877 pamphlets, 5,550 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 eight staff members and thirty-five to forty student assistants. The library is open on week days except Saturday from 7:30 a.m. to 9:30 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.

The Women’s Gymnasium, situated at the northwest 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, a swimming pool, lockers, dressing rooms, and storerooms. Connected with the Women’s Gymnasium are athletic fields for hockey, soccer, baseball, volleyball, and other field sports, a straightaway, an archery range, 10 Laykold tennis courts, and a putting green.

A Storeroom for the Department of Buildings and Grounds, situated at the center of the inner quadrangle, was erected in 1904.
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, 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 Dean of the Faculty, which is 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, and the last unit in 1924. Its dimensions are 41 feet by 525 feet with four wings, each 41 feet by 125 feet. It is a fireproof building equipped with modern conveniences. In its single and double rooms it accommodates more than 500 women students.

The George T. Baker Hall for Men, a dormitory housing 111 students, is situated in the outer quadrangle south of the Campanile. Construction will be completed in the spring of 1936. Its dimensions are 40 feet by 190 feet with a solarium 12 feet by 48 feet. It is a three-story building with a basement and contains 46 double rooms, 19 single rooms, 3 guest rooms, a matron's suite, a housekeeper's suite, an office, a lobby, lounge, recitation room, pressing room, and kitchenette.

The Commons, situated in the outer quadrangle northwest of the Women's Gymnasium, was erected in 1933. Its dimensions are 124 feet by 178 feet. It is designed to provide social education and recreational training for the members of the student body. It is a two-story building with basement. On the second floor are the Student Lounge, the Recreation Hall, and the Lobby Lounge which, together with the Mezzanine Lounge, comprise the central portion of the building. In addition there are the Faculty Men's Lounge, the Faculty Women's Lounge, the offices of the Director of the Commons, of the Student Council, and of the Women's League, the Fountain Room, and two activity rooms. On the first floor are located the dining rooms, the kitchen, and the office of the Director of Foods. The basement contains service rooms essential for the operation of the building.

The General Hospital, the Nurses Home with the 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.

The Heating and Power Plant, completed in 1932, supplies the whole institution with heat, light, and power, and is situated in the outer
quadrangle southwest of the Isolation Hospital. It is equipped with two 500 horse-power and two 300 horse-power boilers and a turbine generating 500 kilowatts of alternating electric current. It has an electric crane, automatic stokers, and other mechanical appliances for the efficient operation of the plant. The circular concrete smokestack rises 195 feet above the floor of the boiler room.

The Shops and Garage Building, east of the Heating and Power Plant and adjacent to it, contains the office of the Superintendent of Buildings and Grounds, shops for electricians, plumbers, steam-fitters, carpenters, and painters, supply rooms and locker rooms, and a garage for the college trucks and busses. It was completed in 1932.

The Campanile, standing at the center of the campus, 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 to the founders and builders of the Iowa State Teachers College.

The Recreation Park, including the college golf course, is 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 has a well kept nine-hole course of standard length with natural and artificial hazards.

Separate from the campus on the east the college 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.

**ENROLLMENT AND REGISTRATION**

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. 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 first-year students 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 term, the spring term, and the summer term all students enroll and register.

Placement Tests.—Standard intelligence and achievement tests are required of each student upon entrance. This applies not only to freshmen but to all students who have not taken the tests at this college. These tests are regularly given on the second day of the fall term and on the first Saturday of the winter and spring terms and early in the second week of the summer term. A student's registration is incomplete and for that reason no grades or credit will be recorded for him until all required tests have been taken and the results recorded. Students who fail to take the tests at the regular time will
take them at a later time and will pay a fee of $2 to cover the cost of administration.

FEES

All fees are payable at the office of the Financial Secretary. The matriculation fee, the tuition, and college fee are payable at the time of enrollment, laboratory and music fees before entrance upon the work of a term, and graduation fees at least three weeks before the date of graduation.

Matriculation fee for first enrollment in residence $5
Tuition, including the College Fee, for fall, winter, or spring term—
  Freshmen and sophomores $26
  Juniors, seniors, and college graduates (including students who have earned 88 or more hours of credit) $32
Weekly fee for persons enrolled as visitors $3
Fee for graduation from one-year and two-year curricula $5
Fee for graduation from four-year curricula $10
Fee for department certificate $2

For summer term fees, see the summer term bulletin.

If a student withdraws from the institution the tuition fee is refunded as follows: If the student has been in attendance 2 days or less, 100 per cent of the fee is refunded; 3 to 5 days, 90 per cent; 6 to 10 days, 80 per cent; 11 to 15 days, 70 per cent; 16 to 20 days, 60 per cent; 21 to 25 days, 50 per cent; 26 to 30 days, 40 per cent. If a student is in attendance more than six weeks, there is no refund.

Physical Education Fees.—All men pay a fee of 50 cents a term, $2 being deposited and $1.50 refunded at the end of the term if locker key and towels are returned. Women who take swimming pay a fee of $1.25 a term, $2.50 being deposited and $1.25 refunded at the end of the term if the locker key, towels, and bathing suits are returned. Other women who take Physical Education 01 pay a fee of 50 cents a term, $1.00 being deposited and 50 cents refunded if locker key and towels are returned.

Music Fees.—All students enrolled in the college and all pupils attending the training school pay a fee of $10 per term for one thirty-minute lesson each week. Persons not enrolled in the college or the training school pay a fee of $15 per term for one thirty-minute lesson each week. A fee of $1.50 each is charged for any number of thirty-minute lessons less than a full term’s work of twelve lessons. Rent for auditorium or studio organ is $3 a term. Practice pianos are available for music students.

Laboratory Fees.—Students pay a small fee for materials and for breakage in connection with courses in chemistry, home economics, natural science, and manual training.

Commercial Education Fees.—Students in commercial education pay nominal fees for the use of equipment and for materials.

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

Medical Service and Hospital Fees.—Medical advice and treatment are given to students free by the Health Director and by the Health Director of Bartlett Hall. The Health Director may be consulted at stated hours at his office. The Health Director of Bartlett Hall may be consulted by the women students of Bartlett Hall at stated hours
and in emergencies at other times, and by other women students at stated hours at the office of the Health Director. Every case of sickness should be reported promptly to the Dean of Men or the Dean of Women. 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 students, faculty, and employees. No specific hospital charge is made to a student for the first five days in the hospital in any term. After five days the charge is $2 a day. The fee for a private nurse is paid by the patient. With the approval of the Health Director any regularly authorized physician may be employed.

### THE COLLEGE DORMITORIES

Bartlett Hall, the dormitory for women students, is heated by steam from the college heating plant and is provided with adequate protection against fire. It contains attractive living rooms, reading rooms supplied with current newspapers and periodicals, kitchenettes, spread rooms, shampoo rooms, facilities for laundry and pressing, and on each corridor a large bathroom with tub and showers. The private rooms of the students have hot and cold water, a clothes closet for each occupant, study tables, and single beds equipped with mattress and pad. All bedding is furnished by the student. Living conditions in the dormitories and the Commons, the student center, are supervised by trained and experienced directors, a resident woman physician, a housekeeper, and a director of foods.

The rent of double rooms with one window is $27 a term for each student, of double rooms with two windows $30 a term; the rent of single rooms is $36 a term. The payment of $10 in advance is required for the reservation of a room. This payment must be made at the time of the application for reservation. The balance is due at the opening of the term. If an applicant for whom a room has been reserved finds it impossible to begin or resume work in the institution as planned, the amount already paid is refunded if this is requested two weeks before the opening of the term. If a reserved room is not occupied within three days after the beginning of the term and arrangements have not been made for later occupancy, the reservation may be canceled at the discretion of the Dean of Women.

Application for rooms in the dormitories should be made to the Dean of Women far enough in advance to assure reservation. The dormitories will be open for the occupancy of rooms as follows: For the summer term of 1936, Tuesday at 9:00 a.m., June 2; for the fall term of 1936, Saturday noon, September 5; for the winter term of 1936-37, Saturday noon, November 28, 1936; for the spring term of 1937, Saturday noon, March 6; for the summer term of 1937, Tuesday at 9:00 a.m., June 1.

The Commons contains a cafeteria and dining rooms where students may obtain wholesome, well-balanced meals at reasonable prices.

The new George T. Baker Hall for Men will accommodate 111 students and will be open for occupancy at the beginning of the 1936 summer session. The building is fireproof and equipped with every facility for the comfort and convenience of its residents; it contains guest rooms, lobby, student lounge, solarium, recreation rooms, showers, kitchenette, and trunk elevator. Rooms are furnished with single beds, mattresses and mattress pads, pillows, blankets, cot covers, rug, straight back chairs, easy chairs, built-in study tables with shelves, built-in clothes closets, bedside stand, waste paper basket, window blinds and curtains. Each room is equipped with hot and cold running
water, lights over medicine cabinet and on each study table, and sockets for floor lamps and radio.

Each student is required to furnish three single sheets, two pillow cases, and eight towels.

Daily maid service is supplied by the college.

The rental rates are $27 per student per term of twelve weeks for a double room with one window, $30 per student per term for a double room with two windows, and $36 per term for a single room. Application for room in the dormitory is made to the Dean of Men and must be accompanied by a deposit fee of $5. Rooms will be assigned in the order of application and in the order of preference indicated on the application blank. In case no room is assigned, the deposit fee is returned. If the room is assigned, the deposit is retained as a damage fee until the end of the term, when any unused portion is returned or applied on the new term.

Room rent for the term is to be paid in full when tuition is paid. If the room is surrendered, notice of withdrawal must reach the office of the Dean of Men at least ten days before the opening of the term if refund of deposit is to be made. Students who withdraw during the term will receive refund of room rent only in case of personal illness or for reasons which are approved by the Dean of Men.

The dormitory will be open for occupancy one day before enrollment day but will not be open during the winter or summer vacations.

ACCREDITED ROOMING HOUSES

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 Men or the Dean of Women. A list of accredited rooming houses will be furnished upon request.

In making final arrangements for a room a student should insist on 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.

EMPLOYMENT OF STUDENTS

The Dean of Women assists women students in obtaining 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.

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.

STUDENT LOAN FUND

The college maintains a loan fund for worthy students who are in need of such assistance. Loans are made only to students who have completed four or more terms of college work, who have completed at least two full terms in residence at this college, and who are within
approximately one year of graduation. In order to be eligible for a loan, the applicant must have earned at least two times as many grade points as hours of credit. Applications for loans must be on file with the secretary of the loan fund committee at least one month before the loan is to be granted.

STUDENT ORGANIZATIONS

Student Council.—The Student Council, elected by the student body and composed of three seniors, two juniors, one sophomore, and one freshman deals with problems pertaining to the life of all students. It is the coordinating body in promoting and carrying out activities of the Men's Union and Women's League as they affect the entire student group.

Men's Union.—This organization, which was formed in 1934, has as its membership all of the men of the student body. Its work is planned to promote a spirit of cooperation, a feeling of good fellowship, and a solidarity of opinion among the men on the campus.

Women's League.—The Women's League is an organization of which every woman student is a member. The League deals with problems pertaining to the life of women students. The executive committee of thirty-three members consists of the officers of the organization and one student representative from each of the following groups: Student Council, Inter-Sorority Council, Off-Campus Girls' Association, Bartlett Hall Council, Women's Athletic Association, Board of Control of Student Publications, and one each from the freshman, sophomore, junior, and senior classes.

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, Pi Beta Alpha (Primary Education), Playcraft Club, Writers’ Club, Hamilton Club (English), Ellen Richards Club (Home Economics), Classical Club, Deutscher Verein, Cercle Francais, Mathematics Club, Commercial Club, Biology Club, Chemistry Seminar, Physical Education Club, Women's Athletic Association, and Rho Epsilon Rho, a pep fraternity.

Honor Organizations.—Superior achievement in various lines of educational work is recognized by membership in the following honor organizations: Kappa Delta Pi (national honor scholastic fraternity); Delta Sigma Rho (Debate); Theta Alpha Phi (Drama); Sigma Tau Delta (English); Kappa Mu Epsilon (Mathematics); Pi Omega Pi (Commercial Education); Gamma Theta Upsilon (Geography); Lambda Delta Lambda (Physical Science); Beta Beta Beta (Biology); Pi Gamma Mu (Sociology); Phi Mu Alpha (Music); Theta Theta Epsilon (Home Economics); Shield Club, Orchesis, Red Cross Life Saving Corps (Physical Education for Women); I Club (for men who have won letters in intercollegiate sports); Blue Key (a national honor fraternity for men); Purple Arrow (local scholastic honor society for first and second year women); and Sigma Alpha Iota (women music students).

Music Organizations.—The music department maintains four women's glee clubs, the Cecilians, Bel Cantos, Euterpeans, and Aeolians, and two men's glee clubs, the Minnesingers and Troubadours; the College Chorus, the College Symphony Orchestra, the Orchestra Club,
the Theater Orchestra, the College Marching Band, the College Concert Band, and the Women's Band.

**Literary Societies.**—The Alpha and Shakespearean literary societies for women give some training in public speaking and in the conducting of public meetings.

**Religious Organizations.**—Religious organizations maintained on the campus are the United Student Movement, which sponsors a religious program open to the entire student body, and the Catholic Students' Association.

**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 Publishing Association.**—The Student Publishing Association is governed by the Board of Control of Student Publications consisting of five students and four members of the faculty. The College Eye is a weekly newspaper managed and edited by students under the supervision of the Director of the Publicity Bureau. The Old Gold is the college annual edited by the senior class. The Purple Pen, a quarterly magazine sponsored by Sigma Tau Delta, publishes significant literary productions of students.

**CONTROL OF EXTRA-CURRICULAR ACTIVITIES**

Students are permitted to take part in extra-curricular activities whenever they can do so without detriment to their scholastic standing. If a student's scholarship falls below average, participation in extra-curricular activities may under faculty regulations be restricted or denied.

**PLACEMENT BUREAU**

Graduates and students who have been in residence for three or more terms are assisted by the Placement Bureau in obtaining teaching positions. Direct service is also given upon request to superintendents and other school officials by recommending qualified candidates and furnishing confidential credentials. Recommendations are based upon estimates of scholarship, teaching ability, personal qualities, and professional growth. While the bureau is not in a position to guarantee the election of candidates it gives them all the support that is justified by the records and recommendations filed with the bureau. Superintendents and school officials are urged to visit the offices of the bureau when wishing to secure teachers.

A fee of $3 is charged for registration with the bureau. Each registration continues in force for one year from the date of registration. Prospective graduates from the college are required to register but no registration fee is charged if registration is completed within the first six weeks of the term of graduation or prior to that time. Prospective June and August graduates are urged to register during the winter term preceding their graduation.
GENERAL REGULATIONS

ENTRANCE REQUIREMENTS

Graduates of four-year public high schools in the state and graduates of the four-year private academies or high schools approved by the Board on Secondary School Relations are admitted to college courses.

Graduates of four-year high schools in another state, if such schools are accredited by the state university of the state, are admitted to college courses.

Any person twenty-one years of age or over who has not completed fourteen units of high-school work that may be accepted for admission to a curriculum may be admitted to college courses as a special student. Credit earned by a special student may be used in meeting the requirements for graduation only when it has been approved for this purpose by the Dean of the Faculty and when all requirements for admission to a curriculum have been met.

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

Fifteen units* of standard secondary school work are required for unconditional admission to a curriculum. Conditional admission may be granted upon completion of fourteen units.

A student who is admitted to a curriculum with an entrance deficiency in algebra or geometry must register at once for work which will remove the deficiency. For each half unit of deficiency in English or social science or elective work, 4.5 hours of credit in English or social science or elective work respectively must be earned before graduation in addition to the regular requirements for graduation.

Certificates of high-school credit should be sent to the Registrar several weeks before the time of enrollment.

Further information concerning methods of admission to college courses will be furnished by the Registrar upon request.

The total number of units required and the total number of units accepted for admission to curricula are as follows:

1. English ................... 3 units required 4 units accepted
2. Foreign Language .......... 8 units accepted
3. Social Science ............ 1½ units required 4 units accepted
4. Mathematics .............. 4 units accepted
   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 ...... 4 units accepted

The units required and the additional units accepted for admission to curricula are in detail as follows:

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

*A unit is the equivalent of a high-school course requiring five recitation periods of at least forty minutes each a week for a school year of not less than thirty-six weeks and constituting approximately one-fourth of the full regular work of a student.
The work in English should include composition, rhetoric, and literature. It may include journalism, public speaking, and business English. One-half unit of grammar may be accepted, if taken in the eleventh or twelfth grade.

2. Foreign Language—1 unit to 8 units accepted.
The foreign language may be selected from Greek, Latin, French, Spanish, German, and other foreign languages.
The amount of work accepted is not less than 1 unit nor more than 4 units in any one foreign language.

3. Social Science—1½ units required, 2½ additional units accepted.
Work is accepted in detail as follows: ancient history, ½ to 1 unit; medieval and modern history, ½ to 1 unit; general history, but not in addition to ancient, medieval, or modern history, ½ to 1 unit; English history, ½ to 1 unit; United States history, if taken in the eleventh or twelfth grades, ½ to 1 unit; civics, citizenship, community civics, ½ to 1 unit; economics, ½ unit; sociology, ½ unit.

4. Mathematics—2 units required, 2 additional units accepted.
Work is accepted in detail as follows: elementary algebra through quadratics, 1 unit required; plane geometry, 1 unit required; third-semester algebra, ½ unit; fourth-semester algebra in the twelfth grade, ½ unit; solid geometry, ½ unit; trigonometry, ½ unit.

5. Natural and Physical Science—½ to 4½ units accepted.
Work is accepted in detail as follows: agriculture, ½ to 2 units; astronomy, ½ unit; botany, ½ to 1 unit; chemistry, 1 unit; general science, ½ to 1 unit; geology, ½ unit; physiography, ½ to 1 unit; physics, 1 unit; physiology, ½ unit; zoology, ½ to 1 unit.

6. Miscellaneous Group—4 units accepted.
The 4 units may be selected from any subjects, if the work was done in accordance with the regulations of the Iowa Board on Secondary School Relations.
Not more than 5 units of work completed in any year of a secondary school are accepted for admission to college courses.

ADMISSION WITH ADVANCED STANDING

College credit earned in other approved institutions is accepted and used in meeting the requirements for graduation as far as the credit conforms to qualitative standards and corresponds to the work of the curriculum. 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.

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 Education 01.
The minimum amount of academic work required of regular students is two five-hour courses or equivalent.
A student may take a drill course in penmanship, music, or hand-

*An hour is defined as the equivalent of one prepared recitation a week for a period of twelve weeks.
work or Illustrative Teaching in addition to regular work but not in addition to extra work.

Students in general may not register for more than regular work and a drill course or Illustrative Teaching during the 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 hours of credit work a week; but in no case is a student permitted to register for more than 20 hours of credit work, the amount of work being counted as if each course were taken for full credit.

A student who has received a degree from a standard college may be permitted by his adviser to register for a maximum of 20 hours of credit work a week.

**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 the Faculty.

Work lost by change of registration after the first three days of recitation of any term may not be made up for credit without the consent of the Dean of the Faculty unless the change was due to a notification of error in registration.

A student is not admitted to a course for credit after the beginning of the fourth week unless he has received credit for the first half of the course.

Work lost by absence may not be made up for credit unless the absence is excused, except that one or two unexcused absences in Physical Education 01 may be made up under the same conditions as excused absences.

Lost work amounting to more than one-sixth of a course or to more than one-sixth of a term's work in Physical Education 01 may not be made up for credit.

Work reported as unfinished may not be completed after the expiration of six months from the time at which the report was made.

One-tenth of a term hour is deducted by the instructor from the term's credit in the case of each course for every period of class work lost and not made up, whether the loss was due to excused or unexcused absence or to late entrance upon the course. Two periods of laboratory work are counted as one period of class work.

**MARKS AND GRADE POINTS**

The marks A, B, C, D, F (failed), and U (unfinished) are used in indicating quality of work.

Grade points are awarded as follows: for each hour of credit work marked A, 4 grade points; B, 3 grade points; C, 2 grade points; D, 1 grade point; F, 0 grade points.

Students may be suspended temporarily or without the privilege of reinstatement if they do not maintain a satisfactory scholarship record.

**GENERAL REQUIREMENTS FOR GRADUATION**

Residence and Residence Credit.—To meet the requirements for graduation a student must be in residence at this institution at least thirty-six weeks, earning in such residence at least 45 hours of college credit. The last 15 hours of credit required for graduation must be earned in residence at Cedar Falls or in an affiliated school.

Three-fourths of the credit required for the completion of any curriculum must be earned by residence work.
Physical Education.—A student is required to take work in Physical Education 01 each fall, winter, and spring term of attendance at Cedar Falls unless he is released from a part or all of this requirement by the Health Director or is teaching in a rural demonstration school or in an affiliated school, except that no student other than a student on a physical education curriculum is required to complete more than six terms of Physical Education 01.

Not less than two terms of Physical Education 01 are required for graduation from the one-year curriculum for teachers in rural schools and not less than three terms for graduation from any other curriculum.

Three terms of the required work in Physical Education 01 must consist of work requiring 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 Education 01, if the student registers for band practice instead of for Physical Education 01.

A temporary excuse from Physical Education 01 for a term or a part of a term by the Health Director does not release the student from any part of the total requirement in Physical Education 01.

Listing of Candidates for Graduation.—A student may be listed as a candidate for graduation at the end of a term if the completion of the work for which he is registered would meet all the requirements for graduation exclusive of grade points, and if the grade points to be earned do not exceed the number which could be earned for the hours for which he is registered.

Recommendation for Graduation.—To be recommended for graduation a student must earn 2 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 may be earned only upon completion of additional work in residence.

After a student has completed at this institution as many hours of work as he is required to complete for graduation, only grade points for work marked A, B, or C may be used in meeting the requirements for graduation.

Note.—A 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

COUNTY CERTIFICATES

Normal Training.—The college makes provision for the twelve weeks of normal training required by law for a county certificate by examination. To be admitted for normal training a student must be a graduate of a four-year approved high school. To obtain a statement certifying to twelve weeks of normal training a student must earn twelve weeks (5 hours) of credit in Rural School Management (Education 50) and twelve weeks of credit in each of two other five-hour college subjects designated by the State Board of Educational Examiners.

Examinations for County Certificates.—The examinations for county certificates are held at the college at stated times in January, June, August, and October. Information concerning these examinations may be obtained at the College Office.

Substitutions for Examinations.—Information concerning the substitution of credit in certain courses for examinations required for county certificates may be obtained at the College Office.

A student who has credit for American Government (Government 132) and who has completed two years of college work including 15 term hours of work in elementary education or in elementary education and educational psychology as prescribed by the Board of Educational Examiners may receive a first grade uniform county certificate.

STATE CERTIFICATES

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

For the completion of a two-year curriculum, a standard elementary certificate;

For the completion of a four-year curriculum with a major in nursery school-kindergarten education, kindergarten-primary education, elementary education, or opportunity room education, an advanced elementary certificate;

For the completion of a four-year curriculum with a major other than those mentioned above, a standard secondary certificate.

The requirements for the issuance of the elementary principal’s certificate, and the supervisor’s certificate may also be satisfied by work taken in this institution. Detailed information with regard to these requirements may be obtained at the College Office.
The various curricula of the Iowa State Teachers College provide preparation for the work of different types of teachers and administrators as follows:

Four-Year Curricula: teachers of art, commercial education, English, foreign languages, home economics, industrial arts, mathematics, music, physical education, science and social science; opportunity room teachers; critic teachers; supervisors of nursery school and kindergarten, and of primary, intermediate and upper grade work; elementary and secondary school principals.

Two-Year Curricula: teachers in kindergarten-primary grades, teachers in grades above the primary.

One-Year Curriculum: teachers in rural schools.

FOUR-YEAR CURRICULA

Introductory Statement

The four-year curricula are organized to include majors and lead to the degree of Bachelor of Arts or to the degree of Bachelor of Science in specified lines.

A major consists of not less than 40 hours nor more than 60 hours of work in a major line*. A major may include 10 or more hours of work in related courses approved by the faculty for this purpose.

The different departments offer majors as follows:

**Arts**: Art, Industrial Arts

**Education**: Nursery School-Kindergarten Education, Kindergarten-Primary Education, Elementary Education, Opportunity Room Education

**English**: English, Speech

**Home Economics**: Home Economics

**Languages**: French, German, Latin, Spanish

**Mathematics and Commercial Education**: Mathematics, Commercial Education

**Music**: School Music (Vocal), School Music (Instrumental), Applied Music

**Physical Education for Men**: Physical Education (Men)

**Physical Education for Women**: Physical Education (Women)

**Science**: Biological Science, Chemistry, Physics, Earth Science, Agriculture

**Social Science**: History, Government, Economics and Sociology

**Teaching**: Teaching and Critic Training

* A major line is the series of courses from which the work of a major is chosen.
The work of a minor may be selected from courses in psychology or music and from any major line except applied music, elementary education, kindergarten-primary education, nursery school-kindergarten education, opportunity room education, school music (instrumental), school music (vocal), and teaching and critic training. The requirements of a minor are indicated in connection with the statement of the courses offered by the department.

A student on the curriculum leading to the degree of Bachelor of Arts must choose a major and two minors before registering for courses which will include work of the sophomore year. The choice of the major and of the minors is subject to the approval of the head of the department in which the major is chosen.

A student on a curriculum leading to the degree of Bachelor of Science in a specified major line must choose the major and the required number of minors before registering for work which will include work of the sophomore year. The choice of the major and of the minors is subject to the approval of the head of the department in which the major is chosen.

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

With the consent of the adviser more than two minors may be chosen. Three or more minors are recommended in order that the student may be prepared for teaching in several fields.

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, and at least 60 hours of credit earned in courses open only to juniors and seniors.

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

Completion of the two-year curriculum for teachers in kindergarten-primary grades entitles the student to at least 90 hours of credit toward a Bachelor of Arts degree with a major in nursery school-kindergarten education or kindergarten-primary education or towards the degree of Bachelor of Science in Elementary Education or Bachelor of Science in Opportunity Room Education. Completion of the two-year curriculum for teachers in grades above the primary entitles the student to at least 90 hours of credit towards a degree if the major is elementary education or opportunity room education.

A student who has completed a two-year curriculum and has earned only 10 hours of credit in teaching must earn 5 hours of additional credit in teaching in the senior year unless released from this requirement by the Head of the Department of Teaching.

A student must make application for teaching at least one term in advance of the time when the work in teaching is to be done.

Not more than 15 hours of teaching may be used in meeting the requirements for a degree.

Not more than 10 hours nor less than 8 hours of physical education for men from courses 351-354, 451-456, 458, 460-462 may be used in meeting the requirements for a degree unless the work in question is used in meeting the requirements of a major or a minor in physical education (men).
The requirements for a standard secondary certificate include credit for at least 22½ hours of work in one major line and at least 15 hours in each of two other major lines as prescribed by the State Board of Educational Examiners.

To receive a second baccalaureate degree a student must meet all the requirements for that degree including at least 36 weeks of residence after receiving the first baccalaureate degree and not less than 45 hours of credit in addition to the credit required for the first baccalaureate degree.

CURRICULUM LEADING TO THE DEGREE OF BACHELOR OF ARTS

Requirements for the Degree

Education and Psychology—Total 25 hours except as indicated.

If the major is other than nursery school-kindergarten education; kindergarten-primary education; elementary education; or teaching and critic training, the requirement is as follows: Psychology 15: Educational Psychology I—5 hours; Psychology 405: Educational Psychology II—5 hours; Education 10: Introduction to Education—5 hours; Education 325: Statistical Methods in Education—2 hours; Education 460: Methods and Measurements in the High School—5 hours; elective in education—3 hours.

English—Total 10 to 15 hours.

English 1: English I (if release from this course has not been granted)—5 hours; 5 hours of work from other courses in composition or from Speech 335, 336, and 465; 5 hours of work from language and literature.

Foreign Language (French, German, Latin, Spanish)—Total 0 to 20 hours.

If a student presents entrance credit for 3 or more units of one foreign language or of two foreign languages, no foreign language; for 2 to 2½ units in one foreign language, 5 hours of work in the same language or 15 hours of work in a new foreign language; for 1 unit to 1½ units in one foreign language, 10 hours of work in the same language or 15 hours of work in a new foreign language; for no foreign language, 20 hours of work in foreign language.

The required work in foreign language must be taken in the freshman year unless with the consent of the adviser it is postponed until the sophomore year.

Mathematics, Science 15 to 16, Biological Science, Chemistry, Physics, Earth Science—Total 15 to 20 hours.

Science 15: Survey of Biological Sciences—5 hours; Science 16: Survey of Physical Sciences—5 hours. If a student presents entrance credit for 4½ or more units in this group of subjects, 5 hours of additional work in the group; if less than 4½ units, 10 hours of additional work.
Social Science—Total 10 to 15 hours.
Government 132: American Government—5 hours; 5 additional hours of social science, if a student presents entrance credit for 3 or more units of social science; 10 additional hours, if a student presents less than 3 units of social science.

Teaching—Total 10 hours.
Teaching 01: Illustrative Teaching—12 weeks; Teaching 306 or 406: Teaching 10 hours.

Electives: Electives to make a total of 180 hours.
The work of a student must include a major, two minors, and 120 hours in English, mathematics, Science 15 and 16, biological science, chemistry, physics, and earth science, and from courses offered in the departments of Education, Teaching, Languages, and Social Science. The adviser may release the student from one of the two minors if the student enters the college with 90 or more hours of college credit.
The work in Physical Education 01 for women students must include Elements of Motor Skills except that a student whose major is in the Department of Music must take Fundamentals of Rhythmic Education instead of Elements of Motor Skills.

For further details, see Four-Year Curricula—Introductory Statement (page 36) and General Requirements for Graduation (page 33).

CURRICULA LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN SPECIFIED MAJOR LINES

Requirements for the Degree of Bachelor of Science in Agriculture

Education and Psychology—Total 25 hours.
Psychology 15: Educational Psychology I—5 hours; Psychology 405: Educational Psychology II or Psychology 416: Psychology of Adolescence—5 hours; Education 10: Introduction to Education—5 hours; Education 325: Statistical Methods in Education—2 hours; Education 460: Methods and Measurements in the High School—5 hours; elective in education—3 hours.

English—Total 10 to 15 hours.
English 1: English I (if release from this course has not been granted)—5 hours; English 300: Advanced Exposition—5 hours; elective—5 hours.

Science—Total 20 hours.
Science 15: Survey of Biological Sciences—5 hours; Science 16: Survey of Physical Sciences—5 hours; Earth Science 60: Principles of Physiography—5 hours; Earth Science 462: Climatology—5 hours.

Social Science—Total 10 hours.

Teaching—Total 10 hours.
Teaching 01: Illustrative Teaching—12 weeks; Teaching 306 or 406: Teaching—10 hours.
Agriculture—Total 30 hours.

Agriculture 380: Dairy Cattle—3 hours; 382: Beef Cattle and Sheep—3 hours; 386: Swine—2 hours; 484: Farm Poultry—2 hours; 487: Farm Management—3 hours; 488: Marketing Agricultural Products—3 hours; electives in agriculture—14 hours.

Electives: Electives to make a total of 180 hours.

The work of a student must include two minors.

The work in Physical Education 01 for women students must include Elements of Motor Skills.

For further details, see Four-Year Curricula—Introductory Statement (page 36) and General Requirements for Graduation (page 33).

Requirements for the Degree of Bachelor of Science in Commercial Education

Education and Psychology—Total 25 hours.

Psychology 15: Educational Psychology I—5 hours; Psychology 405: Educational Psychology II—5 hours; Education 10: Introduction to Education—5 hours; Education 325: Statistical Methods in Education—2 hours; Education 460: Methods and Measurements in the High School—5 hours; Elective in education—3 hours.

English—Total 10 to 15 hours.

English 1: English I (if release from this course has not been granted)—5 hours; other courses in composition or from Speech 335, 336, and 465—5 hours; language and literature—5 hours.

Mathematics, Science 15 and 16, Biological Science, Chemistry, Physics, Earth Science—Total 15 to 20 hours.

Science 15: Survey of Biological Sciences—5 hours; Science 16: Survey of Physical Sciences—5 hours; Earth Science 62: Commercial and Industrial Geography—5 hours. If a student presents entrance credit for less than 4½ units in this group of subjects, he must take 5 hours of additional work in this group.

Social Science—Total 10 to 15 hours.

Government 132: American Government—5 hours; if a student presents entrance credit for 3 or more units of social science, 5 hours additional in social science; if less than 3 units, 10 hours additional.

Teaching—Total 10 hours.

Teaching 01: Illustrative Teaching—12 weeks; Teaching 306 or 406: Teaching—10 hours.

Commercial Education—Total 40 hours.

Commercial Education 01 or 02: Penmanship—one term; Commercial Education 154 and 155 or 155 and 156: Typewriting I and II or II and III—2 hours; and at least 38 hours of elective work in commercial education. Twenty hours of the work in commercial education must be from courses not open to freshmen and 10 hours from courses open only to juniors and seniors.

Electives: Electives to make a total of 180 hours.

The work of a student must include two minors and 105 hours in English, mathematics, Science 15 and 16, biological science, chemistry, physics, and earth science, and from courses offered in the departments.
of Education, Teaching, Languages, and Social Science.

The work in Physical Education 01 for women students must include Elements of Motor Skills.

For further details, see Four-Year Curricula—Introductory Statement (page 36) and General Requirements for Graduation (page 33).

Requirements for the Degree of
Bachelor of Science in Elementary Education

To meet the requirements for the degree of Bachelor of Science in Elementary Education the student must complete the requirements for graduation from the two-year curriculum for teachers in the kindergarten-primary grades or the two-year curriculum for teachers in grades above the primary and additional work as follows:

Education and Psychology

Education 325: Statistical Methods in Education—2 hours; Education 455: Tests and Measurements for the Elementary School—3 hours; Education 435: The Teaching of Reading and Spelling—5 hours; Education 440: The Teaching of Social Studies in the Elementary School—3 hours; Education 470: Elementary School Supervision—5 hours; Education 475: School Administration—5 hours; and elective in psychology—5 hours.

English and Speech

The combined work of the two-year curriculum and the four-year curriculum must include 10 hours of English composition; Speech 485: Speech Correction—5 hours; and electives in English or Speech—10 hours.

Mathematics and Science

The combined work of the two-year curriculum and the four-year curriculum must include Earth Science 162: Elements of Geography—5 hours; Mathematics 10: Principles of Elementary Mathematics I—5 hours, or Mathematics 408: Principles of Elementary Mathematics II—3 hours; and electives to make a total of 25 hours in mathematics and science.

Social Science

The combined work of the two-year curriculum and the four-year curriculum must include Government 132: American Government; American history—10 hours; and electives to make a total of 25 hours from courses in the Department of Social Science.

Teaching

A student who took only 10 hours of work in Teaching on a two-year curriculum must take 5 hours of additional work in Teaching unless released from this requirement by the Head of the Department of Teaching.

Electives: Electives to make a total of 180 hours.

For further details, see Four-Year Curricula—Introductory Statement (page 36) and General Requirements for Graduation (page 33).
Requirements for the Degree of Bachelor of Science in Home Economics

Education and Psychology—Total 22 hours.
   Psychology 15: Educational Psychology I—5 hours; Education 10: Introduction to Education—5 hours; Education 325: Statistical Methods in Education—2 hours; Education 460: Methods and Measurements in the High School—5 hours; elective in psychology—5 hours.

English—Total 10 to 15 hours.
   English 1: English I (if release from this course has not been granted)—5 hours; English 100: Description and Narration—5 hours; 5 hours of work from language and literature.

Science—Total 28 to 33 hours.
   Science 15: Survey of Biological Sciences—5 hours; Science 16: Survey of Physical Sciences—5 hours; Biological Science 11: Physiology—5 hours; *Chemistry 121 and 122: Inorganic Chemistry I and II—10 hours; Chemistry 321: Organic Chemistry—5 hours; Chemistry 328: Chemistry of Foods and Nutrition—3 hours.

Social Science—Total 5 hours.

Art—Total 7½ hours.
   Art 115: Design I—2½ hours; Art 380: Art Appreciation—5 hours.

Teaching—Total 10 hours.
   Teaching 01: Illustrative Teaching—12 weeks; Teaching 306 or 406: Teaching—10 hours.

Home Economics—Total 44 to 48 hours.

Electives: Electives to make a total of 180 hours.
   The work of a student must include two minors.
   The work in Physical Education 01 must include Elements of Motor Skills.
   For further details, see Four-Year Curricula—Introductory Statement (page 36) and General Requirements for Graduation (page 33).

Requirements for the Degree of Bachelor of Science in Industrial Arts

Education and Psychology—Total 25 hours.
   Psychology 15: Educational Psychology I—5 hours; Psychology 405: Educational Psychology II—5 hours; Education 10: Introduction to Education—5 hours; Education 325: Statistical Methods in

*A student who presents entrance credit for 1 unit of chemistry must take Chemistry 123 instead of Chemistry 121 and 122.
Education—2 hours; Education 460: Methods and Measurements in the High School—5 hours; elective in education—3 hours.

English—Total 10 to 15 hours.
   English 1: English I (if release from this course has not been granted)—5 hours; English 100: Description and Narration—5 hours; language and literature—5 hours.

Science—Total 20 hours.
   Science 15: Survey of Biological Sciences—5 hours; Science 16: Survey of Physical Sciences—5 hours; Physics 140: Mechanics—5 hours; Physics 343: Heat, Electricity and Magnetism—5 hours.

Social Science—Total 10 hours.
   Government 132: American Government—5 hours; elective—5 hours.

Art—Total 2½ hours.
   Art 112: Perspective—2½ hours.

Teaching—Total 10 hours.
   Teaching 01: Illustrative Teaching—12 weeks; Teaching 306 or 406: Teaching—10 hours.

Industrial Arts—Total 40 hours.
   Industrial Arts 310: Mechanical Drawing I—2 hours; 311: Mechanical Drawing II—3 hours; 312: Mechanical Drawing III—3 hours; 415: Architectural Drawing—3 hours; 110: Industrial Arts Design—2½ hours; 320: Woodwork I—3 hours; 321: Woodwork II—2 hours; 322: Woodwork III—2 hours; 325: Woodwork IV—5 hours; 115: Wood Finishing—2 hours; 40: Metal Work I—2½ hours; 480: The Planning and Equipment of the School Shop—2 hours; 485: Organization and Administration of Industrial Arts—5 hours; 490: The Teaching of Industrial Arts—3 hours.

Electives: Electives to make a total of 180 hours.
   The work of a student must include one minor.

Requirements for the Degree of Bachelor of Science in Opportunity Room Education

To meet the requirements for the degree of Bachelor of Science in Opportunity Room Education, a student must complete the two-year curriculum for teachers in kindergarten-primary grades or the two-year curriculum for teachers in grades above the primary and in addition the following work:

Education and Psychology
   Psychology 408: Personality Development of Children—3 hours; Psychology 412: Mental Hygiene—2 hours; Education 435: The Teaching of Reading and Spelling—5 hours; Education 444: The Education of Exceptional Children—5 hours; Education 458: Mental Tests—2 hours; Education 466: The Elementary School Curriculum—3 hours.
Speech

Speech 485: Speech Correction—5 hours.

Biological Science

Biological Science 412: Heredity—3 hours.

Social Science

Sociology 358: General Sociology—5 hours; Sociology 472: Crime and Poverty—5 hours; Sociology 360: Social Problems—2 hours.

Industrial Arts

Industrial Arts 320: Woodwork I—3 hours; 321: Woodwork II—2 hours.

Physical Education

Physical Education 100: First Aid to the Injured—2 hours; 303: Club and Camp Leadership—3 hours.

Teaching—Additional teaching to make a total of 15 hours of teaching.

Electives: Electives to make a total of 180 hours.

For further details, see Four-Year Curricula—Introductory Statement (page 36) and General Requirements for Graduation (page 33).

Requirements for the Degree of Bachelor of Science in Physical Education

Requirements for Men

Education and Psychology—Total 25 hours.

Psychology 15: Educational Psychology I—5 hours; Psychology 405: Educational Psychology II—5 hours; Education 10: Introduction to Education—5 hours; Education 325: Statistical Methods in Education—2 hours; Education 460: Methods and Measurements in the High School—5 hours; elective in education—3 hours.

English and Speech—Total 10 to 15 hours.

English 1: English I (if release from this course has not been granted)—5 hours; English 100: Description and Narration—5 hours; Speech 110: Public Speaking—5 hours.

Science—Total 20 hours.

Science 15: Survey of Biological Sciences—5 hours; Science 16: Survey of Physical Sciences—5 hours; Biological Science 11: Physiology—5 hours; Biological Science 300: Hygiene and Sanitation—5 hours.

Social Science—Total 10 to 15 hours.

Government 132: American Government—5 hours. If a student presents entrance credit for 3 or more units of social science, 5 hours of additional work in social science; if less than 3 units, 10 hours.

Teaching—Total 10 hours.

Teaching 01: Illustrative Teaching—12 weeks; Teaching 306 or 406: Teaching—10 hours, which should include 5 hours of teaching in subjects other than physical education.
Physical Education—Total 38 to 42 hours.
Physical Education 471: History and Principles of Physical Education—3 hours; 300: Anatomy—5 hours; 463: Athletic Training and Conditioning—2 hours; 455: Gymnastics—2 hours; 456: Swimming—2 hours; 457: Activities for Schools—2 hours; 473: Organization and Administration of Physical Education—3 hours; 472: Methods in Physical Education—5 hours; Football—5 or 6 hours; Basketball—5 or 6 hours; Baseball—2 or 3 hours; Track and Field—2 or 3 hours.

Electives: Electives to make a total of 180 hours.

For further details, see Four-Year Curricula—Introductory Statement (page 36) and General Requirements for Graduation (page 33).

Requirements for Women

Education and Psychology—Total 25 hours.
Psychology 15: Educational Psychology I—5 hours; Education 10: Introduction to Education—5 hours; Education 325: Statistical Methods in Education—2 hours; elective in psychology—5 hours; electives in education—8 hours.

English and Speech—Total 15 to 20 hours.
English 1: English I (if release from this course has not been granted)—5 hours; additional composition—5 hours; language and literature—5 hours; Speech—5 hours.

Science—Total 20 hours.
Science 15: Survey of Biological Sciences—5 hours; Science 16: Survey of Physical Sciences—5 hours; Biological Science 100: Animal Biology—5 hours; Biological Science 11: Physiology—5 hours.

Social Science—Total 10 hours.
Government 132: American Government—5 hours; elective in social science—5 hours.

Home Economics—Total 3 hours.
Home Economics 60: Nutrition of Children—3 hours.

Teaching—Total 10 hours.
Teaching 01: Illustrative Teaching—12 weeks; Teaching 306 or 406: Teaching—10 hours, which must include 5 hours in the teaching of subjects other than physical education unless the Head of the Department of Teaching releases the student from this requirement.

Physical Education—Total 47 hours.
Physical Education 411: Principles of Physical Education—3 hours; 300: Anatomy—5 hours; 410: Physiology of Exercise—3 hours; 409: Physical Diagnosis—3 hours; 100: First Aid to the Injured—2 hours; 408: Therapeutic Exercise—2 hours; 407: School Health Problems—5 hours; 301 Kinesiology—3 hours; 303: Club and Camp Leadership—3 hours; 305: Play and Recreational Leadership—3 hours; 401: The Dance in Education—2 hours; 405: Tests and Measurements in Physical Education—2 hours; 406: Administration of Physical Education—3 hours; 402: The Teaching of Basketball and Swimming—3 hours; 403: The Teaching of
Hockey, Soccer, and Tennis—2 hours; 404: The Teaching of Baseball and of Track and Field—3 hours.

Each student must pass a test in the playing of piano accompaniments for rhythmic work in physical education.

Electives: Electives to make a total of 180 hours.

The work of a student must include one minor.

Four courses in Physical Education 01 are required each term unless the student is released by the adviser from work in excess of the general requirement in Physical Education 01.

For further details, see Four-Year Curricula—Introductory Statement (page 36) and General Requirements for Graduation (page 33).

TWO-YEAR CURRICULA

General Regulations

A minimum of 90 hours of college work is required for the completion of a two-year curriculum.

Unless otherwise specified in the notes following the curriculum outline, a student on a two-year curriculum may not elect courses in the Department of Education and may not use in meeting the requirements for graduation more than 15 hours of work in any major line*.

Ten hours is the maximum amount of credit in teaching that may be used in meeting the requirements for graduation, except that a student who cannot register for work on the campus during his term of teaching because of a teaching assignment outside of Cedar Falls may register for 15 hours of teaching during the term and may use this credit in meeting the requirements for graduation.

The student must make application for teaching at least one term in advance of the time when the work in teaching is to be done.

For a full statement of the requirements in Physical Education 01, see General Requirements for Graduation (page 34).

Curriculum for Teachers in Kindergarten-Primary Grades

First Year

| Education 10: Introduction to Education | 5 |
| Education 25: Reading and Mathematics for Primary Grades | 5 |
| Education 30: Language and Literature for Kindergarten-Primary Grades | 5 |
| Psychology 20: Child Psychology | 5 |
| Teaching 15: Activities of Young Children | 2 1/2 |
| Art 110: Art Essentials | 2 1/2 |

Art 20: Art for Kindergarten-Primary Grades | 2 1/2 |
Industrial Arts 21: Industrial Arts for Kindergarten-Primary Grades | 2 1/2 |
English 1: English I | 5 |
English 100: Description and Narration | 5 |
Music 10: Elements of Music | 2 1/2 |
Music 11: Music for Kindergarten-Primary Grades | 2 1/2 |

Physical Education 01 each fall, winter, and spring term.

Second Year

| Education 310: Methods in the Kindergarten | 3 |
| Teaching 10: Directed Observation of Kindergarten-Primary Work | 2 |
| Teaching 304: Kindergarten-Primary Teaching | 10 |
| Biological Science 10: Nature Study | 5 |
| General Science A | 5 |

Biological Science 12: Health Education | 3 |
Home Economics 60: Nutrition of Children | 3 |
Government 132: American Government | 5 or 3 |
Electives in Social Science | 5 or 7 |
Electives | 9 |

Physical Education 01 each fall, winter, and spring term.

*For a list of the majors, see Four-Year Curricula—Introductory Statement (page 36).
Notes

1. With the consent of the Head of the Department of Teaching 5 hours of Nursery School Teaching (Teaching 302) may be substituted for 5 hours of Teaching 304.

2. A total of 10 hours of Social Science including American Government is required.

3. Credit for Rural School Management (Education 50) earned by a student while registered for twelve weeks of normal training may be used in meeting the requirements for graduation from this curriculum.

4. The work in Physical Education 01 must include Physical Education for Primary Grades and Fundamentals of Rythmic Education.

5. A student who has completed this curriculum may use all the credit in meeting the requirements for the degree of Bachelor of Arts with a major in nursery school-kindergarten education, kindergarten-primary education, or teaching and critic training, and for the Bachelor of Science in Elementary Education or Opportunity Room Education.

6. To receive the standard elementary certificate a student who has been released from English I must have credit for 5 additional hours of English.

7. For further details, see General Requirements for Graduation (page 33) and Two-Year Curricula—General Regulations (page 46).

Curriculum for Teachers in Grades Above the Primary

First Year

<table>
<thead>
<tr>
<th>Hours</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education 10: Introduction to Education</td>
<td>5</td>
</tr>
<tr>
<td>Education 45: Elementary School Management or Education 50: Rural School Management</td>
<td>5</td>
</tr>
<tr>
<td>Education 35: Elementary School Methods</td>
<td>5</td>
</tr>
<tr>
<td>Psychology 16: Educational Psychology I</td>
<td>5</td>
</tr>
<tr>
<td>Art 110: Art Essentials</td>
<td>2½</td>
</tr>
<tr>
<td>Industrial Arts 22: Industrial Arts for Intermediate Grades</td>
<td>2½</td>
</tr>
<tr>
<td>Physical Education 01 each fall, winter, and spring term.</td>
<td></td>
</tr>
<tr>
<td>Biological Science 12: Health Education</td>
<td>3</td>
</tr>
<tr>
<td>Music 10: Elements of Music</td>
<td>2½</td>
</tr>
<tr>
<td>Mathematics 10: Principles of Elementary Mathematics I</td>
<td>5</td>
</tr>
<tr>
<td>English 1: English I</td>
<td>5</td>
</tr>
<tr>
<td>English 100: Description and Narration</td>
<td></td>
</tr>
<tr>
<td>Teaching 01: Illustrative Teaching</td>
<td>5</td>
</tr>
<tr>
<td>Commercial Education 01: Penmanship</td>
<td></td>
</tr>
</tbody>
</table>

Second Year

<table>
<thead>
<tr>
<th>Hours</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching 306: Teaching</td>
<td>10</td>
</tr>
<tr>
<td>Biological Science 10: Nature Study or Physics 50: Everyday Physical Science</td>
<td>5</td>
</tr>
<tr>
<td>Earth Science 162: Elements of Geography</td>
<td>5</td>
</tr>
<tr>
<td>Music 12: Music for Intermediate Grades</td>
<td>2</td>
</tr>
<tr>
<td>Physical Education 01 each fall, winter, and spring term.</td>
<td></td>
</tr>
<tr>
<td>Government 132: American Government (Note 4)</td>
<td>5 or 3</td>
</tr>
<tr>
<td>History 14: American History to 1865 or History 304: American History since 1865</td>
<td>5</td>
</tr>
<tr>
<td>English 105: Literature for Intermediate Grades</td>
<td>5</td>
</tr>
<tr>
<td>Electives in Science</td>
<td>5</td>
</tr>
<tr>
<td>Electives (Note 4)</td>
<td>2½ or 4½</td>
</tr>
</tbody>
</table>

Notes

1. A student who shows suitable proficiency in penmanship may be released from the requirement in penmanship by the Head of the Department of Mathematics and Commercial Education.
2. A student who has been graduated from the one-year curriculum for teachers in rural schools may substitute Rural School Methods for Elementary School Methods.

3. Elementary School Methods or Rural School Methods is a prerequisite of the teaching required on this curriculum.

4. Neither the five-hour course in American Government nor the electives may be taken until the student registers for student teaching. A student who cannot register for work on the campus during the term of student teaching because of a teaching assignment outside of Cedar Falls may register for 15 hours of teaching during the term and may use this credit in meeting the requirements for graduation. A student who does not use toward graduation 15 hours of credit in teaching must take the five-hour course in American Government or must take the three-hour course in American Government and 2 hours of elective work in social science.

5. A student who has completed this curriculum may use all the credit in meeting the requirements for a degree with a major in elementary education or opportunity room education.

6. The work in Physical Education 01 for women students must include Physical Education for Intermediate Grades.

7. Students who wish to prepare for departmental work should complete more work than is required on a two-year curriculum and should make suitable preparation in the field or fields of specialization. Those who wish to prepare for teaching positions in junior high schools should have four years of college preparation.

8. For further details, see General Requirements for Graduation (page 33) and Two-Year Curricula—General Regulations (page 46).

### ONE-YEAR CURRICULUM

#### Curriculum for Teachers in Rural Schools

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education 50: Rural School Management</td>
<td>5</td>
</tr>
<tr>
<td>Education 40: Rural School Methods</td>
<td>5</td>
</tr>
<tr>
<td>Teaching 5: Rural Observation and Teaching</td>
<td>2½</td>
</tr>
<tr>
<td>English 1: English 1</td>
<td>5</td>
</tr>
<tr>
<td>Mathematics 10: Principles of Elementary Mathematics I</td>
<td>5</td>
</tr>
<tr>
<td>Music 10: Elements of Music</td>
<td>2½</td>
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<tr>
<td>Art 110: Art Essentials</td>
<td>2½</td>
</tr>
<tr>
<td>Biological Science 10: Nature Study or Physics 50: Everyday Physical Science</td>
<td>5</td>
</tr>
<tr>
<td>Earth Science 162: Elements of Geography</td>
<td>5</td>
</tr>
<tr>
<td>Government 132: American Government</td>
<td>3</td>
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<tr>
<td>History 14: American History to 1865</td>
<td>5</td>
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<tr>
<td>Commercial Education 01: Fellowship</td>
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</tbody>
</table>

Physical Education 01 each fall, winter, and spring term.

### Notes

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

2. A student may use all of the credit earned on this curriculum except that earned in Teaching 5 in meeting the requirements of the curriculum for teachers in grades above the primary.
3. Elementary School Methods taken by a student while registered for twelve weeks of normal training may be substituted for Rural School Methods.

4. A student who shows suitable proficiency in penmanship may be released from the requirement in penmanship by the Head of the Department of Mathematics and Commercial Education.

5. The work in Physical Education 01 for women students must include Physical Education for Intermediate Grades.

6. For further details, see General Requirements for Graduation (page 33) and Two-Year Curricula—General Regulations (page 46).
EXPLANATION OF COURSE NUMBERS

Courses with 0 prefixed, open to students in any year of residence.
Courses 1-9, open to freshmen only.
Courses 10-99, open to freshmen and sophomores.
Courses 100-199, open to freshmen, sophomores, and juniors.
Courses 200-299, open to sophomores and juniors.
Courses 300-399, open to sophomores, juniors, and seniors.
Courses 400-499, open to juniors and seniors.

All first-year students are designated as freshmen; students who have completed 45 and less than 90 hours, as sophomores; 90 and less than 135 hours, as juniors; and 135 hours or more, as seniors.

ARTS

1. Art

A major in art must include Art 110, 111, 112, 115, 125, 312, 315, 330, 405, 410, 415, 425, 480, 490, and 491.

The work of a student whose major is art must include Industrial Arts 310.

A minor in art consists of at least 20 hours of elective work in art.

20. *Art for Kindergarten-Primary Grades—2½ hours. Credit only on the curriculum for teachers in kindergarten-primary grades and for a student whose major is nursery school-kindergarten education or kindergarten-primary education. No credit for a student who has credit for Art 111. Prerequisite: Art 110. Daily.

110. Art Essentials—2½ hours. No credit for a student who has credit for Drawing I. Basic course arranged primarily for elementary school teachers. Drawing, design, and color. Fundamental art theory and applications. Daily.

111. Drawing and Painting I—2½ hours. No credit for a student who has credit for Art 20. Mass drawing in light and shade. Figure drawing and illustration. Prerequisite: Art 110 and 112. Daily.

112. Perspective—2½ hours. Type forms, single objects, groups of objects. Linear and aerial perspective. Daily.


125. Art Crafts I—2½ hours. No credit for a student who has credit for Applied Arts I. Drawing and design applied to different spaces, materials, and objects. Prerequisite: Art 115 or equivalent preparation. Daily.

*Art 20 may be counted toward a minor in art for those students who can use credit in this course toward graduation.

315. Interior Design—2½ hours. Design and color as applied to the home. Room interiors showing arrangement of pictures, windows, draperies, and furniture. Prerequisite: Art 110 and 112. Daily.


340. Art Metal Work—2½ hours. Basic principles and operations of metal work applied to such materials as brass, copper, and pewter. Emphasis on design, materials, and finish. Daily.


380. Art Appreciation—5 hours. Examples of architecture, sculpture, painting, and handicraft.

405. Water Color—2½ hours. Study of color as applied to still life and landscape. Technique of water color painting. Prerequisite: Art 110 and 112, and 111 or 312. Daily.

410. Figure Drawing and Painting—2½ hours. Special problems in figure drawing and painting. Use of various media, including oils. Prerequisite: Art 110 and 112, and 111 or 312. Daily.

415. Design II—2½ hours. Prerequisite: Art 115 or equivalent preparation. Daily.

425. Art Crafts II—2½ hours. No credit for a student who has credit for Applied Arts II. Similar to Art Crafts I with applications to other spaces, materials, and objects. Prerequisite: Art 115 or equivalent preparation. Daily.

475. Prints and Print Making—2½ hours. Appreciation of fine prints; study of tools and manipulations in print making; the making of prints. Intaglio and planographic prints with attention to their uses in advertising and in school publications. Prerequisite: Art 112, and 111 or 312. Daily.

480. History of Art—5 hours. Architecture, painting, sculpture, and handicraft of different peoples.

490. The Teaching of Art—3 hours. This course has been approved as a course in education for a student whose major is art. Prerequisite: Art 110, 112, 115, 125, and 111 or 312, and Education 460.

491. The Organization of Public School Art—2 hours. The place and purpose of art in the public schools. Organization of art work in the public schools. Standards of appreciation, skills, and knowledge. Materials and equipment. Prerequisite: Art 110, 112, 115, 125, and 111 or 312.
2. Industrial Arts

A major in industrial arts must include Industrial Arts 40, 110, 115, 310, 311, 320, 321, 322, 325, 415, 480, 485, and 490.

The work of a student whose major is industrial arts must include Art 112 and Physics 140 and 343.

A minor in industrial arts consists of at least 20 hours of elective work in industrial arts.

For the requirements of the degree of Bachelor of Science in Industrial Arts, see page 42.


10. Wood Turning—2 hours. The wood-turning lathe. Various methods of turning. Laboratory work, 4 periods a week.

21. *Industrial Arts for Kindergarten-Primary Grades—2½ hours. Credit only on the curriculum for teachers in kindergarten-primary grades and for a student whose major is nursery school-kindergarten education or kindergarten-primary education. A study of the modern conceptions of the nature and purposes of industrial arts activities at the kindergarten and primary levels. Development of projects suitable for accomplishing these purposes through manipulative activities in which children may engage. Prerequisite: Art 110. Daily.

22. *Industrial Arts for Intermediate Grades—2½ hours. Credit only on the curriculum for teachers in grades above the primary and for a student whose major is art or elementary education. Industrial arts involved in the construction of shelter, and in the production of utensils, machines, and records. Weaving, pottery making, and book making. Fundamentals of design and color as applied to construction and decoration. Prerequisite: Art 110. Daily.


110. Industrial Arts Design—3 hours. General principles of constructive and decorative design as applied to wood and metal. Period styles in furniture. Recitation, 1 period a week; laboratory work, 4 periods a week.


120. Woodworking for Grade Teachers—1 hour. Credit only on the curricula for teachers in kindergarten-primary grades, in grades above the primary, in rural schools, and for a student whose major is nursery school-kindergarten education, kindergarten-primary education, or elementary education. Instruction in the use of woodworking tools and materials for the construction of projects employed in the teaching of children. Laboratory work, 2 periods a week.

310. Mechanical Drawing I—2 hours. Laboratory work, 4 periods a week.

311. Mechanical Drawing II—3 hours. Laboratory work, 6 periods a week.

*Industrial Arts 21 and 22 may be counted toward a minor in art for those students who can use credit in these courses toward graduation.
312. Mechanical Drawing III—3 hours. Laboratory work, 6 periods a week.

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.

320. Woodwork I—3 hours. Laboratory work, 6 periods a week.
321. Woodwork II—2 hours. Laboratory work, 4 periods a week.
322. Woodwork III—2 hours. Laboratory work, 4 periods a week.

Study of tools and exercises in the use of tools. Materials of construction. Elementary cabinet work. These courses must be taken in consecutive order.

325. Woodwork IV—5 hours. Advanced problems in design and construction. Prerequisite: Industrial Arts 320, 321, and 322. Laboratory work, 10 periods a week.

341. Metal Work II—2½ hours. Advanced tin plate and cold iron work; bench metal work; metal turning; metal spinning; simple forging; tool tempering; and soft metal casting. Prerequisite: Industrial Arts 40 or equivalent preparation. Daily.

350. Automobile Mechanics I—5 hours. The general care and repair of the automobile. Laboratory work, 10 periods a week.

415. Architectural Drawing—3 hours. Prerequisite: Industrial Arts 310 and 311. Laboratory work, 6 periods a week.

430. Cabinet Making—5 hours. Design and construction applied to advanced cabinet projects. Period furniture. Emphasis upon detail and finish. Prerequisite: Industrial Arts 320, 321, 322, and 325. Laboratory work, 10 periods a week.

451. Automobile Mechanics II—5 hours. Intensive study of automobile engines and electrical equipment, with laboratory practice in adjustments, repairs, and replacements. Prerequisite: Industrial Arts 350. Laboratory work, 10 periods a week.


480. 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.

485. Organization and Administration of Industrial Arts—5 hours. Objectives of industrial arts for different school levels. Bases of organization. Character of work for different levels and different types of schools. Organization of courses of study and teaching material. Class organization for individual and group work. Prerequisite: Industrial Arts 310, 311, 320, and 321.

490. The Teaching of Industrial Arts—3 hours. This course has been approved as a course in education for a student whose major is industrial arts. Prerequisite: Psychology 15; Industrial Arts 310, 311, 320, 321; and Education 460.
EDUCATION

1. Psychology

A minor in psychology consists of at least 20 hours of elective work in psychology.

15. Educational Psychology I—5 hours. No credit for a student who has credit for Psychology 20. Introduction to the study of mental processes with special attention to the psychology of learning and to habit formation.


405. Educational Psychology II—5 hours. Continuation of Educational Psychology I with special attention to individual differences. Prerequisite: Psychology 15 or 20.

408. Personality Development of Children—3 hours. Personality and behavior traits from infancy to maturity. Attitudes and their development. Spring and summer terms.


416. Psychology of Adolescence—5 hours. Changing attitudes and concepts of youths from eleven to eighteen years of age. Mental and physical influences that retard or accelerate mental growth. Prerequisite: Psychology 15 or 20. Fall term.

420. Social Psychology—5 hours. Thinking and behavior of people as affected by their association with one another. A course in group psychology. Prerequisite: Psychology 15 or 20. Winter and summer terms.


2. Education

A student whose major is nursery school-kindergarten education must complete all of the work of the two-year curriculum for teachers in kindergarten-primary grades and in the work of the junior and senior years must include Psychology 408 and 412; and Education 442, 448, 450, 458, and 482.

A student whose major is kindergarten-primary education must complete all of the work of the two-year curriculum for teachers in kindergarten-primary grades and in the work of the junior and senior years must include Education 442, 464, and 482.
A student whose major is elementary education and who desires the Bachelor of Arts degree must complete the work in psychology and education required on the two-year curriculum for teachers in grades above the primary and must include in his work Education 325, 455, 470, and 475.

For the requirements of the degrees of Bachelor of Science in Elementary Education and Bachelor of Science in Opportunity Room Education see pages 41 and 43.

10. Introduction to Education—5 hours. Survey of the field of education with attention to historical development; the profession of teaching, its development and opportunities.

25. Reading and Mathematics for Primary Grades—5 hours. Credit only on the curriculum for teachers in kindergarten-primary grades and for a student who major is nursery school-kindergarten education or kindergarten-primary education. Principles and aims of the teaching of primary reading and mathematics with special attention to methods.

30. *Language and Literature for Kindergarten-Primary Grades—5 hours. Credit only on the curriculum for teachers in kindergarten-primary grades and for a student whose major is nursery school-kindergarten education, kindergarten-primary education, elementary education, teaching and critic training, or opportunity room education. Principles and methods involved in the teaching of language, writing, and spelling in the kindergarten-primary grades. Special work in the selection and presentation of stories and poems suitable for kindergarten-primary grades.

35. Elementary School Methods—5 hours. No credit for a student who has credit for Education 40. Methods of teaching the elementary school subjects. The principles which underlie various methods of instruction.

40. Rural School Methods—5 hours. No credit for a student who has credit for Education 35. Methods of teaching the common branches under rural school conditions.

45. Elementary School Management—5 hours. Credit toward a degree only for a student whose major is elementary education, teaching and critic training, or opportunity room education. No credit for a student who has credit for Education 50. The problems of management of the elementary school.

50. Rural School Management—5 hours. Credit toward a degree only for a student whose major is elementary education, teaching and critic training, or opportunity room education. No credit for a student who has credit for Education 45. The extra-instructional activities of the rural school teacher.

310. Methods in the Kindergarten—3 hours. Credit only on the curriculum for teachers in kindergarten-primary grades and for a student whose major is nursery school-kindergarten education or kindergarten-primary education. Principles and methods of kindergarten teaching. Prerequisite: 10 hours of psychology and education.

*The Registrar is authorized to report this course as a course in English for a student who is graduated from the curriculum for teachers in kindergarten-primary grades.
325. Statistical Methods in Education—2 hours. No credit for a student who has credit for Mathematics 406. Statistical methods in common use without detailed reference to their mathematical foundations. Use of these methods in the construction of tests and the classification of pupils.

331. Manuscript Writing—1 hour. Study of the history of writing and consideration of the advantages of manuscript writing in the development of the child. Practice in this type of writing through the construction of charts and booklets for children. Two periods a week. Winter and summer terms.

435. The Teaching of Reading and Spelling—5 hours. The teaching of reading and spelling in the elementary school. Winter and summer terms.

440. The Teaching of Social Studies in the Elementary School—3 hours. Credit only for a student whose major is nursery school-kindergarten education, kindergarten-primary education, elementary education, or opportunity room education. Materials and methods. Integration of the social sciences in the elementary grades. Spring and summer terms.

442. Literature for Kindergarten-Primary Children—5 hours. Credit only for a student whose major is nursery school-kindergarten education or kindergarten-primary education. Winter and summer terms.

443. Story Telling—5 hours. Organization of stories for different age levels. Principles underlying successful story telling and practice in the application of these principles. Prerequisite: Education 442. Fall and summer terms.


446. Teaching Techniques—2 hours. Recent developments in educational methods for the elementary school. Summer term.

448. Current Literature of Child Development—3 hours. Readings in scientific and popular publications on child development. Designed to acquaint students with the findings of research and methods by which these are brought to the average reader. Spring term.

450. Parent Education—5 hours. Problems of cooperation between home and school and of pre-parental education. Winter and summer terms.

455. Tests and Measurements for the Elementary School—3 hours. Leading tests in the elementary school field; methods of administering and scoring tests; diagnosis of difficulties. Prerequisite: Education 325. Spring and summer terms.

458. *Mental Tests—2 hours. The Stanford revision of the Binet-Simon tests and the leading group tests of mental ability. Methods of administering and scoring the tests and of tabulating and interpreting the results. Prerequisite: Psychology 15 or 20. Spring term.

*This course may be counted as a course in education or as a course in psychology.
459. *Mental Testing—1 hour. Students assist in the giving and scoring of mental tests and in the tabulation and interpretation of the results. Prerequisite: a grade of A, B, or C, in Education 458 and the recommendation of the Head of the Department of Education.

460. Methods and Measurements in the High School—5 hours. Methods of teaching the high-school subjects; measurement of the results of teaching; remedial treatment. Prerequisite: Education 325.

464. The Kindergarten-Primary Curriculum—5 hours. Credit only for a student whose major is nursery school-kindergarten education or kindergarten-primary education. Purpose, origin, construction, and function of the kindergarten-primary curriculum. Spring and summer terms.

466. The Elementary School Curriculum—3 hours. Origin, function, purpose, and construction of the elementary school curriculum with special attention to the grades above the primary. Summer term.

468. The Junior High School—3 hours. Problems involved in the organization of the junior high school. Winter and summer terms.


472. Secondary School Supervision—5 hours. Principles underlying the improvement of instruction in the high school. Designed for superintendents, high-school supervisors, principals, and teachers. Prerequisite: Education 460.

475. School Administration—5 hours. Relation of the administrator to the community and the school. Buildings, equipment, promotions, records, reports, course of study, sanitation, transportation, and important school legislation. Special attention to the problems of the smaller schools.

478. Problems of Student Advisers—3 hours. Special problems of adolescence. A course for women only. Spring and summer terms.

482. History of Nursery School, Kindergarten, and Primary Education—5 hours. Credit only for a student whose major is nursery school-kindergarten education or kindergarten-primary education. History of infant schools, of the Montessori nursery schools, of the Froebellian and modern kindergartens, and of primary education. Winter term.


484. Vocational Education—3 hours. History and problems of vocational education. Winter and summer terms.


*This course may be counted as a course in education or as a course in psychology.
Courses in the Teaching of Special Subjects. The following courses given in other departments have been approved as courses in education for the classes of students designated in the description of the courses in the departmental statements of courses of instruction. Credit for any one of these courses, though counted but once toward graduation, may be used in meeting the requirements in education and at the same time in the special subject.

(a) The Teaching of Art (Art 490)—3 hours.
(b) The Teaching of Industrial Arts (Industrial Arts 490)—3 hours.
(c) The Teaching of English (English 490)—3 hours.
(d) Methods in Home Economics (Home Economics 490)—3 hours.
(e) The Teaching of Latin (Latin 490)—3 hours.
(f) The Teaching of Secondary Mathematics (Mathematics 490)—5 hours.
(g) The Teaching of Shorthand and Typewriting (Commercial Education 495)—3 hours.
(h) The Teaching of Bookkeeping (Commercial Education 496)—2 hours.
(i) The Teaching and Supervision of Music (Music 490)—3 hours.
(j) The Teaching of Chemistry (Chemistry 491)—3 hours.
(k) The Teaching of Physics (Physics 492)—3 hours.
(l) The Teaching of the Social Sciences (History 490)—5 hours.

ENGLISH

1. English

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

A major in English must include 5 hours of English composition from courses not open to freshmen; English 315, 325, 330, and 331 or 440 and 441, 445, 460, 490, and 7 hours of elective work in English.

A minor in English consists of at least 20 hours of elective work in English, exclusive of English I.

English I may not be included in a major or a minor in English.

A. Composition


Freshmen who show on the basis of preliminary tests unusual ability in English composition will be excused from English I as a freshman requirement and as a prerequisite of other courses and will not be permitted to take English I for credit.

English 0—No credit. Freshman students not properly prepared for English I must register for English 0. During the first three weeks of any term students registered for English 0 may be advanced to English I without loss of credit in English I. All other students registered for English 0 must earn a passing grade in this course before registering for English I unless released from this requirement by the Head of the Department of English. Fall and winter terms.
100. **Description and Narration**—5 hours. No credit for a student who presents credit for 6 semester hours of Freshman English. Each term.

300. **Advanced Exposition**—5 hours. Study of difficult specimens of exposition. Application of principles and methods in original work. Fall term.

310. **Journalism I**—5 hours. News values; methods of obtaining, verifying, and presenting news; preparation of newspaper copy for publication; newspaper style and make-up. Fall and spring terms.


410. **Journalism II**—5 hours. Practice in writing feature stories for publication. Criticism and writing of newspaper editorials of various types. Winter term.


**B. Language and Literature**

10. **Elements of Literature**—5 hours. No credit for a student whose major is English. Characteristics of the chief kinds of literature. Reading of typical works. This course is recommended for those who take only one term of English literature. Each term.

15. **American Prose Writers, 1825-1875**—2 hours. No credit for a student whose major is English. Winter term.

16. **American Poets, 1825-1875**—3 hours. No credit for a student whose major is English. Winter term.

105. **Literature for Intermediate Grades**—5 hours. Credit only on the curriculum for teachers in grades above the primary and for a student whose major is elementary education, teaching and critic training, or opportunity room education. Study of the basic principles for the selection of literary material for the intermediate grades. The teaching of literature in the intermediate grades. Each term.

315. **English Literature, 670-1625**—5 hours. No credit for a student who has credit for Old English or Chaucer. Important authors of the period, except Shakespeare, with special attention to Chaucer. Fall term.

320. **English Literature, 1625-1784**—5 hours. No credit for a student who has credit for The Age of Classicism. Winter term.

325. **Shakespeare**—5 hours. Intensive study of selected plays; reading of other plays; brief study of the non-dramatic works of Shakespeare. Each term.

420. **English Literature, 1784-1832**—5 hours. No credit for a student who has credit for The English Romantic Movement. Spring term.
425. English Literature, 1832-1880—5 hours. No credit for a student who has credit for Tennyson and Browning, Victorian Prose, or Victorian Poetry. Fall term.

430. Development of the English Drama—5 hours. English drama from its beginning to the time of Shakespeare. Fall term.


441. English Prose Writers since 1875—3 hours. Winter term.

442. American Poets since 1875—2 hours. Fall and spring terms.

443. American Prose Writers since 1875—3 hours. Fall and spring terms.

445. American Literature, 1640-1875—5 hours. No credit for a student who has credit for English 15 or 16. Fall term.

450. Literary Criticism—5 hours. Prerequisite: 5 hours of English literature. Spring term.


490. The Teaching of English—3 hours. This course has been approved as a course in education for a student whose major is English. Prerequisite: 15 hours of English and Education 460. Spring term.

2. Speech

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

A major in speech requires 40 hours of work in speech except that English 325 and 400, though not included in the speech major line, may be counted as a part of the 40-hour requirement.

A minor consists of at least 20 hours of elective work in speech.


120. Oral Interpretation II—5 hours. Prerequisite: Speech 115 or equivalent preparation. Each term.

335. Theory of Debating—2 hours. This course should accompany Speech 336. Winter term.

336. Debating—3 hours. Intensive study of a debate question with forensic practice. With change of the debate question this course may be taken again for 3 hours of additional credit. Required of students who participate in intercollegiate debate. Winter term.

340. Play Production I—5 hours. Oral interpretation of a Shakespearean comedy, a modern comedy, and one-act plays. Prerequisite: Speech 120 or equivalent preparation. Fall term.

356. Technique of Scene Construction—3 hours. Recitations, 2 periods a week; laboratory work, 2 periods a week. Each term.

358. Stage Make-up—1 hour. Laboratory work, 2 periods a week.

465. Advanced Public Speaking—5 hours. History, literature, and technique of the oration with practice in various forms of public address other than debating. Prerequisite: Speech 110. Fall term.

470. Pedagogy of Interpretation—5 hours. Spring term.


480. Design in the Theater—5 hours. Scenic and costume design in the theater from the Greek period to the present. Recitations, 3 periods a week; laboratory work, 4 periods a week. Fall term.

485. Speech Correction—5 hours. Nature of speech defects; training in the diagnosis of individual cases; methods of dealing with the various kinds of defects. Prerequisite: Psychology 15 or 20. Spring term.

3. Religious Literature and Philosophy

125. The Bible as Literature—5 hours.

130. The Life of Jesus—3 hours.


365. Christian Ethics—3 hours.

402. Religions of the World—5 hours. Study of the great religions which hold sway throughout the world.

404. Problems of Religious Thought—5 hours. Basic concepts of religion—God, sin, salvation, the good life, etc.

406. Introduction to Philosophy—3 hours.

408. Philosophers of the Western World—3 hours. The lives and teachings of significant thinkers from Plato to John Dewey.

HOME ECONOMICS

A student who desires a Bachelor of Arts degree with a major in home economics must have credit in Home Economics 10, 11, 21, 22, 300, 401, 402, 420, 440, 451, and 490.

The work of a student whose major is home economics must include Art 115, 380; English 100; Chemistry 121 and 122*, 321, 328; Biological Science 11; and Government 132.

A minor in home economics consists of at least 20 hours of elective work in home economics.

*A student who presents entrance credit for 1 unit of chemistry must take Chemistry 123 instead of this work.
For the requirements of the degree of Bachelor of Science in Home Economics, see page 42.

10. **Textiles**—3 hours. The chief fibres and materials used in clothing and house furnishings. Recitations, 2 periods a week; laboratory work, 2 periods a week.

11. **Costume Design**—3 hours. Prerequisite: Art 115. Recitation, 1 period a week; laboratory work, 4 periods a week.

12. **House Furnishing and Decoration**—3 hours. Prerequisite: Art 115.

21. **Foods I**—4 hours. Principles of cookery and the nutritive facts involved. Prerequisite: Chemistry 122 or equivalent preparation. Recitations, 2 periods a week; laboratory work, 4 periods a week.

22. **Foods II**—4 hours. Prerequisite: Chemistry 122 and Home Economics 21 or equivalent preparation. Recitations, 2 periods a week; laboratory work, 4 periods a week.

60. **Nutrition of Children**—3 hours. No credit after the completion of the freshman year for a student whose major is home economics.

61. **Personal and Social Relationships**—3 hours.

300. **Child Care**—3 hours.

401. **Clothing I**—4 hours. No credit for a student who has credit for Home Economics 70. Problems in the selection and construction of clothing. Prerequisite: Home Economics 10 and 11. Recitations, 2 periods a week; laboratory work, 4 periods a week.

402. **Clothing II**—4 hours. No credit for a student who has credit for Home Economics 70 or 71. Prerequisite: Home Economics 401 or equivalent preparation. Recitations, 2 periods a week; laboratory work, 4 periods a week.

411. **Applied Dress Design**—3 hours. Historic dress design as applied to modern clothing. Oriental embroidery and appliqué. Prerequisite: Home Economics 402. Laboratory work, 6 periods a week.

412. **Clothing Appreciation**—2 hours. Prerequisite: Home Economics 11.

420. **Meal Planning and Serving**—3 hours. No credit for a student who has credit for Home Economics 72. Prerequisite: Home Economics 21 and 22. Recitation, 1 period a week; laboratory work, 4 periods a week.

430. **Experimental Cookery**—3 hours. Prerequisite: Home Economics 21 and 22. Recitation, 1 period a week; laboratory work, 4 periods a week.

440. **Advanced Nutrition**—4 hours. Principles of nutrition. The selection of food for normal individuals. Prerequisite: Home Economics 21 and 22; Chemistry 328 must precede or accompany this course. Recitations, 3 periods a week; laboratory work, 2 periods a week.

450. **Home Management**—5 hours. Prerequisite: Home Economics 21 and 22. Recitations, 3 periods a week; laboratory work, 4 periods a week.
COURSES OF INSTRUCTION

451. Problems of Consumers—5 hours.
460. Weaving and Home Crafts—3 hours. Daily.
461. Personal and Family Finance—2 hours.
490. Methods in Home Economics—3 hours. This course has been approved as a course in education for a student whose major is home economics. Prerequisite: Education 460.

Special Courses in Home Economics

A student whose major is home economics may not receive credit for the following courses in Home Economics:

70. Clothing Selection—5 hours. No credit for a student who has credit for Home Economics 401 and 402. Selection of garments from the standpoint of suitability, durability, fashion, and beauty.
71. Clothing for Children—3 hours. No credit for a student who has credit for Home Economics 401 and 402. Selection, construction, alteration, and care of clothing for children. Daily.
72. Food Preparation and Meal Service—5 hours. No credit for a student who has credit for Home Economics 21 and 22. Recitations, 3 periods a week; laboratory work, 4 periods a week.

LANGUAGES

1. French

A major in French requires 40 hours in French except that 10 hours of credit in Spanish 301 to 406, though not included in the French major line, may be counted as a part of the 40-hour requirement.

Students who have had two years of French in high school or equivalent preparation may take courses from the 300 group in the freshman year and courses from the 400 group (except French 490) in the sophomore year.

A minor in French consists of at least 20 hours of elective work in French courses which are more advanced than French 101.

102. *French II—5 hours. Prerequisite: French 101.
103. French III—5 hours. Reading of simple plays and stories. Prerequisite: one year of high-school French or equivalent preparation.
301. Modern French Prose—3 hours. Selections from fiction and drama. Prerequisite: two years of high-school French or equivalent preparation.
302. Short French Plays—2 hours. Reading of French plays suitable for dramatic production in French classes and clubs. Prerequisite: two years of high-school French or equivalent preparation.

*French 103 must be completed before credit for French I or II may be used in meeting the requirements for graduation.
303. **French Short Stories**—3 hours. Prerequisite: French 301 or 302 or equivalent preparation.

304. **French Comedies**—2 hours. Prerequisite: French 301 and 302 or equivalent preparation.

305. **Rostand's Cyrano de Bergerac**—3 hours. Prerequisite: French 301 and 302 or equivalent preparation.

306. **French Life**—2 hours. Study of various phases of French life. Prerequisite: French 301 and 302 or equivalent preparation.

307. **French Novel of the Romantic Period**—3 hours. Prerequisite: French 301 and 302 or equivalent preparation.

308. **The French Drama of the Romantic Period**—2 hours. Prerequisite: French 301 and 302 or equivalent preparation.

309. **The French Novel and Short Story of the Realistic Period**—3 hours. Prerequisite: French 301 and 302 or equivalent preparation.

310. **The French Drama of the Realistic Period**—2 hours. Prerequisite: French 301 and 302 or equivalent preparation.

401. **Contemporary French Drama**—3 hours. Lectures, with reading of Rostand's Chantecler. Prerequisite: French 301 and 302 or equivalent preparation.

402. **Contemporary French Novel and Short Story**—2 hours. Prerequisite: French 301 and 302 or equivalent preparation.

403. **Composition and Conversation**—2 hours. Prerequisite: French 301 and 302 or equivalent preparation.

404. **The Plays of Corneille and Molière**—3 hours. Lectures on the formation and development of the classical formula. Prerequisite: French 301 and 302 or equivalent preparation.

405. **Racine and La Fontaine**—3 hours. Study of the tragedies of Racine and the fables of La Fontaine. Lectures on the classical period. Prerequisite: French 301 and 302 or equivalent preparation.

406. **French Literature of the 18th Century**—3 hours. The continuation of classicism; the philosophical writers; Rousseau and the beginnings of romanticism. Prerequisite: French 301 and 302 or equivalent preparation.

407. **Victor Hugo**—2 hours. Prose and poetry of Victor Hugo. Prerequisite: French 301 and 306 or equivalent preparation.

408. **Edmond Rostand**—2 hours. Lyric and dramatic poetry of Edmond Rostand. Prerequisite: French 305 and 306 or equivalent preparation.


410. **History of French Literature**—3 hours. Readings, reports, and lectures. Prerequisite: French 305 and 306 or equivalent preparation.

490. **The Teaching of French**—2 hours. Prerequisite: French 305 and 306 or equivalent preparation and Education 460.
2. German

A major in German requires 40 hours of work in German.

Students who have had two years of German in high school or equivalent preparation may take courses from the 300 group in the freshman year and courses from the 400 group (except German 490) in the sophomore year.

A minor in German consists of at least 20 hours of elective work in German courses which are more advanced than German 101.

101. *German I—5 hours. A course for beginners.

102. *German II—5 hours. Prerequisite: German 101.

103. German Stories and Plays—5 hours. Prerequisite: one year of high-school German or equivalent preparation.

301. Recent German Prose—5 hours. Prerequisite: two years of high-school German or equivalent preparation.

302. Goethe's Hermann und Dorothea—2 hours. Prerequisite: German 301 or equivalent preparation.

303. Schiller's Drama—5 hours. Prerequisite: German 301 or equivalent preparation.

304. German Drama of the 19th Century—5 hours. Representative work of Heinrich von Kleist, Grillparzer, Hebbel, Ludwig, Anzengruber, and Hauptmann. Prerequisite: German 301 or equivalent preparation.

305. Contemporary German Literature—5 hours. Prerequisite: German 301 or equivalent preparation.

306. German Composition and Advanced Grammar—3 hours. Prerequisite: German 301 or equivalent preparation.

401. German Lyrics and Ballads—5 hours. Prerequisite: German 301 or equivalent preparation.

402. Scientific German—5 hours. Selections from the literature of chemistry, physics, biology, and other sciences. Prerequisite: German 301 and 10 hours of work from German 302, 303, 304, 305, 306, and 401.

403. Lessing—5 hours. Prerequisite: German 301 and 10 hours from German 302, 303, 304, 305, 306, and 401.

404. Goethe—5 hours. Prerequisite: German 301 and 10 hours of work from German 302, 303, 304, 305, 306, and 401.

405. History of German Literature—3 hours. Prerequisite: German 301 and 10 hours of work from German 302, 303, 304, 305, 306, and 401.

490. The Teaching of German—2 hours. Prerequisite: German 301, and 10 hours of work from German 302, 303, 304, 305, 306, and 401, and Education 460.

*German 101 must be completed before credit for German I or II may be used in meeting the requirements for graduation.
3. Latin

A major in Latin requires 40 hours in Latin except that 10 hours of credit in French 301 to 410, though not included in the Latin major line, may be counted as a part of the 40-hour requirement. The Latin courses of a major in Latin must be selected from courses 109, 110, 111, 301, 302, 401, 402, and 490.

All of the work of a minor in Latin (20 hours) must be selected from courses 107, 108, 109, 110, 111, 301, 302, 401, 402, and 490.


102. *Elementary Latin II—5 hours. Prerequisite: one year of high-school Latin or Latin 101 or equivalent preparation.

103. Elementary Latin III—5 hours. Selection from Caesar’s Gallic War. Writing of Latin. Prerequisite: Latin 102 or equivalent preparation.

104. Cicero’s Orations I—5 hours. Selections from the orations against Catiline. Review of Latin grammar. Writing of Latin. Prerequisite: two years of high-school Latin or Latin 103 or equivalent preparation.

105. Cicero’s Orations II—5 hours. Selected orations. Prerequisite: two and one-half years of high-school Latin or Latin 104 or equivalent preparation.

106. Ovid—5 hours. Easy stories from the Metamorphoses. Review of Latin grammar. Writing of Latin. Prerequisite: two years of high-school Latin or Latin 106 or equivalent preparation.

107. Vergil I—5 hours. Selections from the Aeneid. Prerequisite: three years of high-school Latin or Latin 107.

108. Vergil II—5 hours. Prerequisite: half-year of Vergil in high school or Latin 107.


110. Pliny’s Letters—5 hours. Prerequisite: four years of high-school Latin or equivalent preparation.

111. Epodes and Odes of Horace—5 hours. Prerequisite: Latin 109 or equivalent preparation.

301. Livy—5 hours. Prerequisite: Latin 109 or equivalent preparation.

302. Latin Composition—5 hours. Prerequisite: Latin 109 or equivalent preparation.


*Latin 103 must be completed before credit for Elementary Latin I or II may be used in meeting the requirements for graduation.
402. Studies in Caesar—5 hours. Interpretation of selections from the Gallic War and from the Civil War with attention to the historical background and to Roman military antiquities. Prerequisite: Latin 109 or equivalent preparation.

490. The Teaching of Latin—3 hours. This course has been approved as a course in education for a student whose major is Latin. Prerequisite: Latin 109 or equivalent preparation and Education 460.

4. Spanish

A major in Spanish requires 40 hours in Spanish except that 10 hours of credit in French 301 to 410, though not included in the Spanish major line, may be counted as a part of the 40-hour requirement.

Students who have had two years of Spanish in high school or equivalent preparation may take courses from the 300 group in the freshman year and courses from the 400 group (except Spanish 490) in the sophomore year.

A minor in Spanish consists of at least 20 hours of elective work in Spanish courses which are more advanced than Spanish 101.

101. Spanish I—5 hours. A course for beginners.

102. Spanish II—5 hours. Prerequisite: Spanish 101.

103. Spanish III—5 hours. Reading of easy prose. Emphasis on understanding spoken and written Spanish. Prerequisite: one year of high-school Spanish or equivalent preparation.

301. Spanish Prose—3 hours. Selections from fiction and drama of the nineteenth century. Prerequisite: two years of high-school Spanish or equivalent preparation.

302. Spanish Short Stories—2 hours. Prerequisite: two years of high-school Spanish or equivalent preparation.

303. Modern Spanish Novel—3 hours. Prerequisite: Spanish 301 and 302 or equivalent preparation.

304. Spanish and Spanish-American Life—2 hours. Lectures on the life and customs of the Spanish people and their contribution to civilization. Prerequisite: Spanish 301 and 302 or equivalent preparation.

305. Contemporary Spanish Drama—3 hours. Plays of Benavente, Martinez-Sierra, and Quintero. Prerequisite: Spanish 301 and 302 or equivalent preparation.

306. Composition and Conversation—2 hours. Prerequisite: Spanish 301 and 302 or equivalent preparation.

401. Don Quixote—3 hours. The life of Cervantes. Selected chapters of the Don Quixote with reports on additional reading. Prerequisite: Spanish 301 and 302 or equivalent preparation.

402. History of Spanish Literature—2 hours. General survey course with emphasis upon important literary movements and writers. Prerequisite: Spanish 301 and 302 or equivalent preparation.

*Spanish 103 must be completed before credit for Spanish I or II may be used in meeting the requirements for graduation.
403. Spanish Classical Drama—3 hours. Study of Lope de Vega and Tirso de Molina. Prerequisite: Spanish 301 and 302 or equivalent preparation.

404. Calderon—2 hours. Prerequisite: Spanish 301 and 302 or equivalent preparation.

405. Galdos—3 hours. Novels and plays of Galdos. Prerequisite: Spanish 305 or equivalent preparation.

406. Spanish-American Literature—3 hours. General survey course designed to give an idea of the progress of letters in the various countries of Spanish America. Prerequisite: Spanish 305 and 306 or equivalent preparation.

490. The Teaching of Spanish—2 hours. Prerequisite: Spanish 305 and 306 or equivalent preparation and Education 460.

MATHEMATICS AND COMMERCIAL EDUCATION

1. Mathematics

A major in mathematics requires 40 hours of work in mathematics except that Physics 340 and 441, though not included in the mathematics major line, may be counted as a part of the 40-hour requirement.

A minor in mathematics consists of at least 23 hours of work in mathematics.

10. Principles of Elementary Mathematics I—5 hours. Credit only on the curricula for teachers in grades above the primary and for teachers in rural schools, and for a student whose major is elementary education or mathematics. Essential subject matter and its organization; the technique of teaching elementary mathematics; diagnostic and remedial work; textbooks and supplementary material.

100. Mathematics I, College Algebra—5 hours.

101. Mathematics II—5 hours. Theory of trigonometry and continuation of college algebra. Prerequisite: Mathematics 100.

102. Mathematics III—5 hours. Analytical geometry and allied topics. Prerequisite: Mathematics 101.

300. Calculus I—5 hours. Differential and integral calculus with applications. Prerequisite: Mathematics 102.

301. Calculus II—5 hours. Prerequisite: Mathematics 300.


303. Spherical Trigonometry—2 hours. Prerequisite: Mathematics 101.

304. Surveying—3 hours. Principles and operations; field practice in measurement; leveling. Prerequisite: Mathematics 101. Four periods a week.


400. Theory of Equations—5 hours. The complex number and the system of numbers based upon the imaginary unit; the analytic criterion for constructions with ruler and compasses; 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: Mathematics 300.


402. Theoretical Mechanics B—2 hours. 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: Mathematics 300.

403. Number Systems—2 hours. Positive integers and operations with integers defined; negative, rational and irrational, and complex numbers; historical study of number development.

404. Modern Algebra—5 hours. Analytical trigonometry, hyperbolic functions, vectors, and introduction to functions of a complex variable. Prerequisite: Mathematics 300.

405. Differential Equations—3 hours. Differential equations of the first order and linear equations with constant coefficients, with emphasis upon forms occurring in mechanics and physics. Prerequisite: Mathematics 301.

406. Statistical Measurement—5 hours. Introduction to the mathematics of statistical methods. Some knowledge of calculus is desirable. Prerequisite: Mathematics 100 and 101 or equivalent preparation.


408. Principles of Elementary Mathematics II—3 hours. Organization of subject matter; the relation of arithmetic to the whole curriculum; evaluation of teaching procedures; the testing program.

490. The Teaching of Secondary Mathematics—5 hours. This course has been approved as a course in education for a student whose major is mathematics. Prerequisite: two courses in college mathematics and Education 460.

2. Commercial Education

A major in commercial education requires credit in Commercial Education 154 and 155 or 155 and 156, one term of penmanship, and 38 hours of elective work in commercial education except that Economics 354, though not included in the commercial education major line, may be counted as a part of the 38-hour requirement.

The work of a student whose major is commercial education must include Earth Science 62.
A minor in commercial education consists of at least 20 hours of elective work in commercial education.

For the requirements of the degree of Bachelor of Science in Commercial Education, see page 40.

01. Penmanship A—Drill credit. Muscular movement in writing with special attention to the teaching of penmanship. Daily.

02. Penmanship B—Drill credit. Prerequisite: Commercial Education 01.

50. *Shorthand I—5 hours. No credit for a student who presents entrance credit for 1 unit of shorthand. Principles of the Gregg System. Prerequisite: Commercial Education 154 or equivalent preparation.

51. Shorthand II—5 hours. Plate reading and dictation. Prerequisite: Commercial Education 50 or equivalent preparation.

150. Shorthand III—5 hours. Dictation, reporting, transcription of letters and lectures.

151. Accounting I—5 hours. Fundamental principles of accounting; theories of debit and credit; journalizing and posting; compiling of trial balances, balance sheets, and statements of profit and loss.

152. Accounting II—5 hours. Partnership and corporation accounting; with special attention to the voucher system. The classification of accounts; accrued items, deferred items, and reserves. Prerequisite: Commercial Education 151.

153. 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: Commercial Education 152.

154. **Typewriting I—1 hour. No credit for a student who presents entrance credit for 1 unit of typewriting. Mechanism and operation of the typewriter with special attention to technique and rhythm. The standard of speed is fifteen to twenty-five words a minute. Daily.

155. **Typewriting II—1 hour. Practice in typing business letters, telegrams, drafts, and business papers. The standard of speed is from twenty-five to forty words a minute. Prerequisite: Commercial Education 154 or equivalent preparation. Daily.

156. **Typewriting III—1 hour. Typing of reports and manuscripts; tabulation of statistics; use and care of the mimeograph. The standard of speed is thirty-five to fifty words a minute. Prerequisite: Commercial Education 155 or equivalent preparation. Daily.

350. Machine Accounting—1 hour. Use of the accounting machine in bank and mercantile accounting. Prerequisite: elementary bookkeeping or equivalent preparation. Two periods of class work or laboratory work a week.

352. Commercial Correspondence—5 hours. Preparation and use of business letters and reports.

*Shorthand II must be completed before credit for Shorthand I may be used in meeting the requirements for graduation.

**A student whose major is commercial education may use in meeting the requirements for graduation 3 hours from Typewriting I, II, III; other students may use credit in only one of these courses.
COURSES OF INSTRUCTION

353. Advertising—3 hours. The inception of advertising ideas and their development. The planning and preparing of advertisements.

354. Commercial Law I—5 hours.

450. Commercial Law II—3 hours. Prerequisite: Commercial Education 354.


452. Secretarial Training II—2 hours. The Library Bureau system of alphabetic, numeric, geographic, and automatic-numeric filing.

453. Retail Merchandising—3 hours. Establishing a business, locating the store, financing, buying, pricing, advertising, selling, accounting, business forecasting.

454. Salesmanship—2 hours. Selling problems of manufacturers, wholesalers, and retailers.

455. Marketing—3 hours. Activities involved in transferring goods from producer to consumer.


457. Business Ethics—2 hours.


460. Methods in Junior Business Training—3 hours. Clerical practices and office procedures on a level with the occupational opportunities of high-school students.

461. Problems in Commercial Education—2 hours. Field and objectives of commercial education; selection and organization of subject matter; equipment of commercial departments; community surveys and vocational guidance in cooperation with business firms; testing and remedial work.

495. The Teaching of Shorthand and Typewriting—3 hours. This course has been approved as a course in education for a student whose major is commercial education. Prerequisite: Commercial Education 50, 51, 150, 154, 155, 156; and Education 460.

496. The Teaching of Bookkeeping—2 hours. This course has been approved as a course in education for a student whose major is commercial education. Prerequisite: 10 hours of work from Commercial Education 151, 152, 153; and Education 460.

MUSIC

A major in school music (vocal) must include Music 01, 02, 03, 13, 14, 16, 25, 26, 27, 312, 315, 316, 317, 318, 402, 408, 410, 412, 430, 490, 6 hours of credit in Voice, 3 hours in Piano*, 3 hours from Music.

*On passing a satisfactory examination (Grade VI) in Piano a student may be permitted by the Head of the Department of Music to substitute credit in Organ or other music for this requirement.
300 to 305, and 6 hours of elective in applied music. The student is also required to take nine terms of work in Glee Club; nine terms of work in Chorus; three terms of work in Orchestra and three terms of work in Band or six terms of work in Orchestra. Music 01, 02, and 03 may be omitted if the student takes work in Violin, and 1 hour of work in Music 300 to 305 may be omitted for each hour of credit in an instrument of the wood-wind and brass group or in the percussion group. Each student must make a public appearance in Voice and must pass an examination in Voice up to Grade XII.

A major in school music (instrumental) must include Music 01, 02, 03, 13, 14, 16, 20, 21, 22, 25, 26, 27, 316, 317, 318, 410, 411, 412, 413, 429, 490, 6 hours of credit in a major instrument, 3 hours in Piano* if that is not the student's major instrument, 3 hours from Music 312, 402, and 408, 3 hours from Music 300 to 305**, and 6 hours of elective in applied music. The student is also required to take six terms of work in Orchestra and three terms of work in Band, or nine terms of work in Orchestra; three terms of work in Chorus; three terms of work in Glee Club; and six terms of work in Ensemble. A student whose major instrument is Piano must take nine terms of work in Ensemble. If the student takes work in Violin, Music 01, 02, and 03 may be omitted. Each student must make a public appearance in an instrument and must pass an examination in the instrument up to Grade XII.

A major in applied music must include Music 13, 14, 16, 25, 26, 27, 315, 316, 317, 318, 319, 327, 403, 404, 405, 410, 412, 414, 415, 416, 428, 12 hours of credit in the student's major instrument (or Voice), and 3 hours in Piano***. The student whose major is applied music in lines other than Voice is required to take Orchestra or Band or both for twelve terms; Ensemble for six terms; and should select Glee Club and Chorus for three terms each. If the principal line of work in applied music is Voice, the student is required to take twelve terms of work in Glee Club and twelve terms of work in Chorus unless released by the Head of the Department of Music. The major instrument may be selected from Piano, Organ, Violin, Viola, Cello, Flute, Oboe, Clarinet, Bassoon, French Horn, Trumpet, Trombone, and Tuba and String Bass. Voice may also be a major line in applied music.

A minor in school music must include Music 13, 14, 312, 402; 6 hours of credit in applied music; and Music 25, 26, and 27 or 3 hours from Music 300 to 305 or the minor must include Music 13, 14, 312, 408, 429, 430; 6 hours of credit in applied music; and Music 25, 26, and 27 or 3 hours from Music 300 to 305. The student whose minor is school music is also required to pass a satisfactory examination up to Grade VI in some line of applied music, and must take a combined total of twelve terms in Chorus, Glee Club, Ensemble, Band, and Orchestra.

A student whose major or minor is in the field of music must attend all recitals given by students in the department unless released from this requirement by the Head of the Department of Music.

*On passing a satisfactory examination (Grade IV) in Piano a student whose major instrument is other than Piano may be permitted by the Head of the Department of Music to substitute credit in Organ or other music for this requirement.

**A student whose major instrument is in the field covered by Music 300 to 305 may be exempt from the corresponding course in this line.

***On passing a satisfactory examination (Grade VI) in Piano a student whose major line is Voice or whose major instrument is other than Piano may be permitted by the Head of the Department of Music to substitute credit in Organ or other music for this requirement.
01. *Violin in Class A—Drill credit. Two periods a week.

02. *Violin in Class B—Drill credit. Prerequisite: Music 01. Two periods a week.

03. *Violin in Class C—Drill credit. Prerequisite: Music 02. Two periods a week.

10. Elements of Music—2½ hours. No credit for a student whose major is in the field of music. No credit for a student who has credit for Music 13. Introductory course in school music consisting of singing, rhythmic development and elementary theory. Preparation for sight singing. Daily.

11. Music for Kindergarten-Primary Grades—2½ hours. Credit only on the curriculum for teachers in kindergarten-primary grades and for a student whose major is nursery school-kindergarten education or kindergarten-primary education. No credit for a student who has credit for Music 13 or 14. Prerequisite: Music 10 or equivalent preparation. Daily.

12. Music for Intermediate Grades—2 hours. No credit for a student whose major is in the field of music. No credit for a student who has credit for Music 13 or 14. Training in singing; essentials of theory; sight singing, ear training, and dictation; elementary conducting. Prerequisite: Music 10 or equivalent preparation. Four periods a week.

13. Introduction to Music—3 hours. No credit for a student who has credit for Music 10, 11, or 12. Singing and rhythmic development; elementary theory; notation; preparation for sight singing. Dalcroze eurythmics.

14. Dictation—3 hours. Staffs and clefs; rhythms; interval drills; notation through dictation and sight reading by letter.

16. Harmony I—3 hours. Major and minor scales developed on the keyboard and the staff; intervals; primary triads, inversions, and cadences; secondary triads and inversions; melodies and harmonizations; keyboard patterns.

20. **Voice in Class I—1 hour. Two periods a week.

21. **Voice in Class II—1 hour. Prerequisite: Music 20. Two periods a week.

22. **Voice in Class III—1 hour. Prerequisite: Music 21. Two periods a week.

25. Sight Singing and Ear Training I—1 hour.


Use of materials for elementary grades. Development of simple creative rhythms, melodic expression and appreciation.

*Open only to a student whose major is in the field of music.

**Credit only for a student whose major is school music (instrumental) or applied music in a line other than voice. No credit for a student who has credit in applied music in voice.
300. Orchestral Instruments I—1 hour. Cello.
303. Orchestral Instruments IV—1 hour. Trumpet, French Horn, Trombone.
305. Orchestral Instruments VI—1 hour. Oboe, Bassoon.
Study of instrument in class; selection and care of instrument; methods of instruction. Prerequisite: 3 hours of credit in applied music other than voice. Two periods a week.
315. Music History and Form I—2 hours. Survey of music among primitive peoples; early church music; troubadors and minnesingers; the invention of opera; music from Bach to Weber. Early forms; suites; song forms; symphonies.
316. Music History and Form II—3 hours. Development of romanticism; program music; music from Mendelssohn to Richard Strauss. Tone poems.
317. Harmony II—3 hours. Dominant seventh chords, inversions, resolutions; dominant ninth chords; supertonic and leading tone sevenths; modulation by means of common chords. Prerequisite: Music 16.
403. Counterpoint I—2 hours. Melodic progressions, clefs, two-part counterpoint in all species. Prerequisite: Music 319.
404. Counterpoint II—2 hours. Three-part counterpoint in all species. Prerequisite: Music 403.
405. Counterpoint III—2 hours. Four-part counterpoint in all species. Florid counterpoint. Prerequisite: Music 404.
407. Music Appreciation—3 hours. A study of the literature of vocal and instrumental music by means of the phonograph, the piano player, the voice and musical instruments.
410. Orchestration—3 hours. Study, arrangement, and preparation of orchestra scores. Prerequisite: Music 318 and 3 hours of credit in applied music other than voice.

412. Conducting—3 hours. Baton techniques; score reading; practice in conducting. Prerequisite: 3 hours of credit in applied music other than voice.

413. Band Management and Instrumentation—3 hours. Development of school bands; marching and drill maneuvers; arrangement and preparation of band scores. Prerequisite: Music 14.

414. *Composition I—1 hour. The phrase and its development and harmonic equipment. The period form single and double. Prerequisite: Music 318.

415. *Composition II—1 hour. The song-forms; the two- and three-part song-forms. Prerequisite: Music 414.

416. Composition III—1 hour. Compound song-forms and various styles of composition in homophonic forms. Prerequisite: Music 415.

428. Senior Recital—1 hour. Credit only for a student whose major is applied music. A recital in the student's major instrument or voice.


490. The Teaching and Supervision of Music—3 hours. This course has been approved as a course in education for a student whose major is in the field of music. Prerequisite: 20 hours of credit in music and Education 460.

Applied Music

For each hour of credit the work in applied music requires one or more lessons per week for one term. This work is evaluated by means of grades ranging from I to XVIII which are determined by the difficulty of the selection played and by the quality of the performance. The student must show improvement as the work in any line progresses. For information concerning the requirements for each grade consult the Head of the Department of Music.

100. Applied Music I—The 1st, 2nd, and 3rd terms of work in Voice.


420. Applied Music III—The 7th to 12th terms of work in Voice.

101. Applied Music IV—The 1st, 2nd, and 3 terms of work in Piano or Organ.

*Music 416 must be completed before credit for Music 414 or 415 may be used in meeting the requirements for graduation.
321. Applied Music V—The 4th, 5th, and 6th terms of work in Piano or Organ.

421. Applied Music VI—The 7th to 12th terms of work in Piano or Organ.

102. Applied Music VII—The 1st, 2nd, and 3rd terms of work in a stringed instrument.

322. Applied Music VIII—The 4th, 5th, and 6th terms of work in a stringed instrument.

422. Applied Music IX—The 7th to 12th terms of work in a stringed instrument.

103. Applied Music X—The 1st, 2nd, and 3rd terms of work in a wood-wind or brass instrument.

323. Applied Music XI—The 4th, 5th, and 6th terms of work in a wood-wind or brass instrument.

423. Applied Music XII—The 7th to 12th terms of work in a wood-wind or brass instrument.

104. Applied Music XIII—The 1st, 2nd, and 3rd terms of work in a percussion instrument.

324. Applied Music XIV—The 4th, 5th, and 6th terms of work in a percussion instrument.

424. Applied Music XV—The 7th to 12th terms of work in a percussion instrument.

Note

String ensemble for the study and performance of sonatas, trios, quartettes, and quintettes is provided for students in violin, viola, cello, bass, harp, and piano. Wood-wind and brass ensemble for work of a similar nature is provided for students in wood-wind and brass instruments.

PHYSICAL EDUCATION FOR MEN

A major in physical education (men) requires credit in Physical Education 300, 455, 456, 457, 463, 471, 472, 473, Football—5 or 6 hours, Basketball—5 or 6 hours, Baseball—2 or 3 hours, Track and Field—2 or 3 hours, and sufficient elective work to make a total of 40 hours in physical education except that Biological Science 11 and 300, though not included in the physical education (men) major line, may be counted as a part of the 40-hour requirement.

The work of a student whose major is physical education (men) must include Biological Science 11 and 300.

A minor in physical education (men) must include Physical Education 455, 456, 457, 473; courses in Football, Baseball, Basketball, Track and Field, and electives to make a total of at least 20 hours.

The required work in teaching should include 5 hours of teaching in subjects other than physical education.

During one of the first four terms in residence men students who have not passed a swimming test given by the department must complete a course in swimming.
Credit for Football I and II, Basketball I and II, Track and Field I or Baseball I may also be recorded as credit for Physical Education 01. For the requirements of the degree of Bachelor of Science in Physical Education, see page 44.

01. Physical Education.

The work in Physical Education 01 required of all men students is selected from the following courses: baseball, basketball, boxing, cross-country, diamondball, floor and mat work, games, golf, gymnastics, handball, modified activities, soccer, speedball, beginning swimming, advanced swimming, tennis, touch football, track and field, volleyball, and wrestling.

300. Anatomy—5 hours. Gross anatomy of the osseous, muscular, and nervous systems and of the vital organs.

351. Football I—3 hours. Theory and practice, 10 periods a week.

352. Basketball I—3 hours. Theory and practice, 10 periods a week.

353. Baseball I—3 hours. Theory and practice, 10 periods a week.

354. Track and Field I—3 hours. Theory and practice, 10 periods a week.

410. Physiology of Exercise—3 hours. Effects of exercise upon the various organic functions of the body. Comparison of strength, speed, and endurance exercises. Prerequisite: Biological Science 11 and Physical Education 300.

451. Football II—3 hours. Prerequisite: Physical Education 351. Theory and practice, 10 periods a week.

452. Basketball II—3 hours. Prerequisite: Physical Education 352. Theory and practice, 10 periods a week.


454. Track and Field II—2 hours. A course for coaches. Theory and practice, 5 periods a week. Summer term.


456. Swimming—2 hours. Theory and practice, 5 periods a week.

457. Activities for Schools—2 hours. Activities suitable for the growing child at different age levels. Theory and practice, 5 periods a week.

458. Wrestling—2 hours. Theory and practice, 5 periods a week.

459. Recreational Activities—2 hours. City, county, state, and national organizations promoting recreational activities. Playground equipment and programs. Theory and practice, 5 periods a week.


463. Athletic Training and Conditioning—2 hours. Diet; treatment of injuries; massage and bandaging; lectures, demonstrations, and practice. Prerequisite: Biological Science 11 and Physical Education 300.

471. History and Principles of Physical Education—3 hours.

472. Methods in Physical Education—5 hours. Theory and practice, 10 periods a week.

473. Organization and Administration of Physical Education—3 hours. Intramural athletics, efficiency tests, and playground work; interscholastic athletics, games, track meets, tournaments; business administration, sportsmanship, and ethics.

PHYSICAL EDUCATION FOR WOMEN

A major in physical education (women) requires credit in physical education 100, 300, 301, 303, 305, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, and 411.

The work of a student whose major is physical education (women) must include 5 hours of teaching in subjects other than physical education; Biological Science 11 and 100; and four courses in Physical Education 01 each term unless the student is released by the adviser from this requirement. The student must pass a test in the playing of piano accompaniments for rhythmic work in physical education.

A minor in physical education (women) must include Physical Education 300, 305, and 411; 5 hours of work selected from courses 401, 402, 403, and 404; at least 4 hours of elective work in physical education for women; and at least two courses in Physical Education 01 each term for six terms unless released from this requirement by the Head of the Department of Physical Education for Women.

With the consent of the adviser a student may register for four courses in Physical Education 01 each term provided that the total number of periods required for this work does not exceed eight periods a week.

For the requirements of the degree of Bachelor of Science in Physical Education, see page 45.

01. Physical Education.

The work in Physical Education 01 required of all women students is selected from the following courses:

Group Games and Team Sports: games (representative activities for various age groups), simple team games (the lead-up games to the major sports), beginning baseball, advanced baseball, beginning basketball, advanced basketball, beginning hockey, advanced hockey, beginning volleyball, advanced volleyball, beginning soccer, advanced soccer, speedball, fieldball, lacrosse, cricket and badminton.

Individual and Dual Activities: combat activities, handball, beginning archery, advanced archery, archery golf, indoor archery, track and field, beginning swimming, first intermediate swimming, second
intermediate swimming, life saving, advanced swimming, golf, beginning tennis, intermediate tennis, advanced tennis, canoeing, fencing, horseback riding, winter sports, ice skating, stunts and contests, games and athletics (a combination of simple team games and track and field), outing activities, recreational games (deck tennis, paddle tennis, ping pong, etc.)

Rhythmic Activities: first dancing, second dancing, third dancing, fourth dancing, fifth dancing, first folk dancing, second folk dancing, third folk dancing, advanced folk dancing, national dancing, beginning social dancing, advanced social dancing, beginning clogging, advanced clogging, rhythmic form and analysis.

Gymnastics: The technique of gymnastics, therapeutic gymnastics, gymnastics.

Physical education for special groups: fundamentals of rhythmic education, physical education for primary grades, physical education for intermediate grades, elements of motor skills.

100. First Aid to the Injured—2 hours. Students may prepare themselves in this course for the examination for a Red Cross first aid certificate.


303. Club and Camp Leadership—3 hours. Organization and activities of girls' clubs; the correlation of the physical education program of the school; summer program; camp craft. This course must be accompanied by Outing Activities.

304. The Teaching of Basketball—1 hour. No credit for a student whose major is physical education (women). Recitation, 1 period a week; laboratory work, 2 periods a week. Summer term.

305. Play and Recreational Leadership—3 hours. Play as education. Age needs. Yearly and daily program planning. Playground equipment and sites. This course must be accompanied by Games.

401. The Dance in Education—2 hours. Dancing as an art; fundamentals in rhythmic education; the teaching of dancing in the public school physical education program. This course must be accompanied by Rhythmic Form and Analysis. Winter term.

402. *The Teaching of Basketball and Swimming—3 hours. This course must be accompanied by Advanced Basketball. Winter term.

403. *The Teaching of Hockey, Soccer, and Tennis—2 hours. This course must be accompanied by Advanced Hockey. Fall term.

404. *The Teaching of Baseball and of Track and Field—3 hours. This course must be accompanied by Advanced Baseball and Track and Field. Spring term.

405. Tests and Measurements in Physical Education—2 hours. Prerequisite: Education 325. Spring term.

*Credit only for a student whose major or minor is physical education (women.)
406. Administration of Physical Education—3 hours. Program of instruction and of intramurals; equipment, gymnasium, play fields, locker room, swimming pool. Budget; supervisory problems; community relationships. Spring term.

407. School Health Problems—5 hours. No credit for a student who has credit for Biological Science 12 or 300. Credit only for a student whose major is physical education (women). Physical examinations; the hygiene of environment; health needs of the individual child; evaluation of the literature and devices of health instruction; and similar problems of the school and home. Prerequisite: Physical Education 300 and Biological Science 11. Fall term.

408. Therapeutic Exercise—2 hours. Prerequisite: Physical Education 300, 301, and Biological Science 11. Fall term.


411. Principles of Physical Education—3 hours. History, interpretation, objectives, and methods of physical education. This course must be accompanied by Physical Education for Intermediate Grades. Fall and summer terms.

SCIENCE

General Courses in Science

15. Survey of Biological Sciences—5 hours. No credit for a student who has credit in Biological Science 10. Survey of the fields of animal and plant biology, including genetics, neurology, human heredity, and organic evolution. Recitations, 3 periods a week; laboratory work, 4 periods a week.

16. Survey of Physical Sciences—5 hours. No credit for a student who has credit in Physics 50. Survey of basic concepts in chemistry, physics, astronomy, climatology, geology, and of other phases of earth science. Recitations, 3 periods a week; laboratory work, 4 periods a week.

These courses must precede other courses in the Department of Science except Biological Science 10 and 12, Physics 50, and courses in geography.

1. Biological Science

A major in biological science must include Science 15, Biological Science 100, 102, 108 or 306, 302 or 304, and at least 5 hours of elective work in biological science.

*Credit only for a student whose major or minor is physical education (women.)
Ten hours of chemistry, though not included in the biological science major line, may be used as a part of the 40-hour requirement of a major in biological science.

The work of a student whose major is biological science must include 10 hours of chemistry and 10 hours of physics. The required courses in biological science, chemistry, and physics afford preparation for teaching general science.

A minor in biological science must include Science 15, Biological Science 100 and 102, and at least 5 hours of elective work in biological science or Physical Education 300.

10. Nature Study, General Science A—5 hours. Credit only on the one-year curriculum for teachers in rural schools, on the two-year curricula, and for a student whose major is nursery school-kindergarten education, kindergarten-primary education, or elementary education. No credit for a student who has credit for Science 15. Rocks, minerals, soils, insects, birds, and trees. Recitations, 3 periods a week; laboratory work, 4 periods a week.

11. Physiology—5 hours. Functioning of the different systems of organs of the human body; correlation of the physiology and anatomy of each organ; dissection and experimentation. Recitations, 3 periods a week; laboratory work, 4 periods a week.

12. Health Education—3 hours. No credit for a student who has credit for Biological Science 300. Personal, community, and school hygiene. Aims and methods of health education.

100. Animal Biology—5 hours. Life processes and structure of animals. Recitations, 3 periods a week; laboratory work, 4 periods a week.

102. Plant Biology—5 hours. Life processes and structure of plants. Recitations, 3 periods a week; laboratory work, 4 periods a week.

108. Invertebrate Zoology—5 hours. Anatomy and physiology of several type-forms in each division of invertebrate animals. Prerequisite: Biological Science 100. Recitations, 3 periods a week; laboratory work, 4 periods a week.

300. Hygiene and Sanitation—5 hours. No credit for a student who has credit for Biological Science 12. Personal hygiene. Sanitation. School health problems; heating, lighting, ventilation, spread of communicable diseases. Recitations, 3 periods a week; laboratory work, 4 periods a week.

302. Plant Morphology—5 hours. Morphology and evolution of the great group of plants, with special emphasis upon algae, fungi, mosses, and ferns. Recitations, 3 periods a week; laboratory work, 4 periods a week.

304. Plant Taxonomy—5 hours. Identification, field recognition, and economic importance of seed plants of our local flora. Prerequisite: entrance credit in botany, or Biological Science 102. Recitations, 3 periods a week; laboratory work, 4 periods a week.

306. Vertebrate Zoology—5 hours. The classes of vertebrates with particular reference to their origin, development, anatomy, and physiology. Prerequisite: Biological Science 100. Recitations, 3 periods a week; laboratory work, 4 periods a week.
308. Vertebrate Embryology—5 hours. Development of vertebrate organisms; formation and development of germ cells; fertilization; growth and differentiation; sex; and heredity. Prerequisite: Biological Science 100 and 306. Recitations, 3 periods a week; laboratory work, 4 periods a week.

402. Insects and Man—3 hours. Prerequisite: Biological Science 100. Recitations, 2 periods a week; laboratory work, 2 periods a week.

404. Plant Physiology—5 hours. Physiological processes of plants with emphasis upon plant metabolism. Responses of plants to stimuli. Prerequisite: Biological Science 102. Recitations, 3 periods a week; laboratory work, 4 periods a week.

406. Plant Ecology—5 hours. Effects of environment upon plant growth and plant distribution. Application of ecology to crop production. Prerequisite: Biological Science 102. Recitations, 3 periods a week; laboratory work, 4 periods a week.

408. Bacteriology—5 hours. Microorganisms, their classification, morphology, and physiology; their relation to health, sanitation, and food preservation. Recitations, 3 periods a week; laboratory work, 4 periods a week.


490. The Teaching of the Biological Sciences—3 hours. Prerequisite: 15 hours of biological science including botany, and biology, and Education 460. Recitations, 2 periods a week; laboratory work, 2 periods a week.

2. Chemistry

A major in chemistry must include Science 16 and 25 hours from courses in Chemistry.
Ten hours of physics, though not included in the chemistry major line, may be used as a part of the 40-hour requirement of a major in chemistry.

The work of a student whose major is chemistry must include 10 hours of biological science and 10 hours of physics. The required courses in biological science, chemistry, and physics afford preparation for teaching general science.

A minor in chemistry consists of Science 16 and 15 hours of elective work in chemistry.

121. *Inorganic Chemistry I—5 hours. Recitations, 3 periods a week; laboratory work, 4 periods a week.

122. *Inorganic Chemistry II—5 hours. Prerequisite: Chemistry 121. Recitations, 3 periods a week; laboratory work, 4 periods a week.

123. Chemistry of Nonmetals—5 hours. No credit for a student who has credit for Chemistry 121 or 122. A condensed course for students who present entrance credit for 1 unit of chemistry. Recitations, 3 periods a week; laboratory work, 4 periods a week.

*No credit for a student who presents entrance credit for 1 unit of chemistry.
124. Chemistry of Metals and Qualitative Analysis—5 hours. Introduction to the study of the properties of the metallic elements. Prerequisite: Chemistry 122 or 123. Recitations, 2 periods a week; laboratory work, 6 periods a week.

321. Organic Chemistry—5 hours. Essentials of organic chemistry. Prerequisite: Chemistry 122 or 123. Also open to freshmen who have credit for Chemistry 123. Recitations, 3 periods a week; laboratory work, 4 periods a week.

322. Organic Preparations I—3 hours. Synthesis of typical compounds representative of organic reactions. Prerequisite: Chemistry 321. Laboratory work, 6 periods a week.

323. Organic Preparations II—2 hours. Prerequisite: Chemistry 322. Laboratory work, 4 periods a week.

324. Quantitative Analysis I—3 hours. Elementary principles of gravimetric analysis. Prerequisite: Chemistry 124. Laboratory work, 6 periods a week.

325. Quantitative Analysis II—2 hours. Quantitative Analysis I must precede or accompany this course. Laboratory work, 4 periods a week.

326. Quantitative Analysis III—3 hours. Volumetric analysis. Prerequisite: Chemistry 122 or 123. Laboratory work, 6 periods a week.

327. Quantitative Analysis IV—2 hours. Quantitative Analysis III must precede or accompany this course. Laboratory work, 4 periods a week.

328. Chemistry of Foods and Nutrition—3 hours. Essentials of physiological chemistry. The chemical composition of foods. Prerequisite: Chemistry 321. Recitation, 1 period a week; laboratory work, 4 periods a week.

421. Water Analysis I—2 hours. Analysis of drinking water from the point of view of the sanitary chemist. Prerequisite: Chemistry 124. Laboratory work, 4 periods a week.

422. Water Analysis II—3 hours. Determination of the mineral content of waters. The evaluation of softening processes. Prerequisite: Chemistry 124. Laboratory work, 6 periods a week.

423. Special Laboratory course—5 hours. Quantitative experimental work. For students of exceptional ability this work may be in the nature of a research problem. Prerequisite: 5 hours of credit in quantitative analysis. Laboratory work, 10 periods a week.

424. Physical Chemistry—5 hours. Prerequisite: Chemistry 124.

425. Advanced Chemistry of Nutrition—2 hours. Prerequisite: Chemistry 328. Laboratory work, 4 periods a week.

426. Food Analysis—5 hours. Proximate quantitative analysis of the common foods. Prerequisite: Chemistry 321. Recitations, 2 periods a week; laboratory work, 6 periods a week.

491. The Teaching of Chemistry—3 hours. This course has been approved as a course in education for a student whose major is chemistry. Prerequisite: 10 hours of chemistry and Education 460. Recitation, 1 period a week; laboratory work, 4 periods a week.
3. Physics

A major in physics must include Science 16 and at least 25 hours of work from courses in physics exclusive of Physics 50 and 150. Ten hours of chemistry and Mathematics 300, though not included in the physics major line, may be used as a part of the 40-hour requirement of a major in physics.

The work of a student whose major is physics must include 10 hours of biological science and 10 hours of chemistry. The required courses in biological science, chemistry, and physics afford preparation for teaching general science.

A minor in physics consists of Science 16 and at least 15 hours of elective work in physics.

140. Mechanics—5 hours. Prerequisite: high-school physics or Mathematics 100 or 101. Recitations, 3 periods a week; laboratory work, 4 periods a week.

340. Advanced Mechanics—3 hours. Experimental problems preceded by brief discussion of the principles involved. Prerequisite: Physics 140 or equivalent preparation. Laboratory work, 6 periods a week.

341. Sound and Light—5 hours. The theory of light presented from the point of view of geometrical and physical optics. Prerequisite: Physics 140 or equivalent preparation. Recitations, 3 periods a week; laboratory work, 4 periods a week.

342. Advanced Course in Light—3 hours. Experimental problems preceded by discussion of the principles involved. Prerequisite: Physics 341 or equivalent preparation. Laboratory work, 6 periods a week.

343. Heat, Electricity, and Magnetism—5 hours. Prerequisite: Physics 140. Recitations, 3 periods a week; laboratory work, 4 periods a week.

440. 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. Prerequisite: Physics 343 or equivalent preparation. Laboratory work, 10 periods a week.

441. Alternating Currents—5 hours. Includes a study of industrial alternating currents and high frequency alternating currents used in radio transmission and reception. Prerequisite: Physics 140 and 343. Recitations, 3 periods a week; laboratory work, 4 periods a week.

442. Modern Physics I—5 hours. Introductory course in radioactive and electronic phenomena. Prerequisite: Physics 140 and 343. Recitations, 3 periods a week; laboratory work, 4 periods a week.

443. Modern Physics II—5 hours. Prerequisite: Physics 442. Recitations, 3 periods a week; laboratory work, 4 periods a week.

444. The History of Physics—2 hours. Prerequisite: 10 hours of college physics.

492. The Teaching of Physics—3 hours. This course has been approved as a course in education for a student whose major is physics. Prerequisite: 10 hours of college physics and Education 460. Recitation, 1 period a week; laboratory work, 4 periods a week.
Special Courses in Physics

50. Everyday Physical Science, General Science B—5 hours. Credit only on the one-year curriculum for teachers in rural schools, on the two-year curricula, and for a student whose major is nursery kindergarten education, kindergarten-primary education, or elementary education. No credit for a student who has credit for Science 16. Phenomena of inanimate nature in the student's environment. The more common appliances in the home and elsewhere. Recitations, 4 periods a week; laboratory work, 2 periods a week.

150. Sound and Music—5 hours. Credit only for a student whose major is in the field of music. An elementary study of the physics of sound with laboratory exercises. Recitations, 4 periods a week; laboratory work, 2 periods a week.

4. Earth Science

A major in earth science must include Science 15 and 16 and at least 20 hours of work selected from Earth Science 60, 160, 162, 360, 366, 460, 462, 463, 464, 466, and 468.

A minor in earth science consists of Science 16 and at least 15 hours of elective work in earth science.

60. Principles of Physiography—5 hours. Agencies at work in producing land forms; life as affected by physical environment; interpretation of topographic maps. Field trips.

62. Commercial and Industrial Geography—5 hours. Credit only for a student whose major is commercial education or earth science. Commodities of international trade; trade routes of the world; ocean transportation. Winter term.


162. Elements of Geography—5 hours. A survey of man's occupancy of the earth developed through the classification and distribution of the major types of natural environment and man's utilization of the resources in each type. Each term.


364. Geography of Europe—5 hours. Regional study of the continent of Europe. Analysis of the geographic individualities of the major countries. Spring term.


460. Mineralogy—5 hours. Descriptive and determinative mineralogy. Prerequisite: 5 hours of inorganic chemistry. Recitations, 3 periods a week; laboratory work, 4 periods a week. Fall term.

462. Climatology—5 hours. Composition and physics of the air; weather forecasting; map making; instruments used in gathering data. Spring term.
463. The Teaching of Geography—5 hours. Selection and organization of geographic materials for presentation in grades four to nine inclusive. Prerequisite: 5 hours of college work in geography. Spring term.

464. Geography of South America—5 hours. Designed to develop an understanding of the geographic individuality of each of the major countries of South America. Prerequisite: Earth Science 162, 364, or 366. Fall term.

466. Historical Geography of the United States—5 hours. Geography of the major regions of the United States in past times. A study of successive stages in land occupancy. Prerequisite: entrance credit or college credit in American history. Winter term.


5. Agriculture

A major in agriculture must include Science 15 and 16; Earth Science 60 and 462; and Agriculture 380, 382, 386, 484, 487, 488, and at least 4 hours of additional work in agriculture.

The work of a student whose major is agriculture must include Government 132 and Economics 152.

A minor in agriculture consists of Science 15 and at least 18 hours of elective work in agriculture.

For the requirements of the degree of Bachelor of Science in Agriculture, see page 39.

80. Forage Crops—5 hours. Important forage crops of Iowa and their production. Recitations, 3 periods a week; laboratory work, 4 periods a week.

82. Grain Crops—5 hours. Important grain crops of Iowa and their production. Recitations, 3 periods a week; laboratory work, 4 periods a week.

180. Soils—3 hours. Management of soils for maximum production. Recitations, 2 periods a week; laboratory work, 2 periods a week. Spring term.

182. Horticulture—2 hours. Management of orchard, bush, and small fruits. Harvesting and marketing. Recitation, 1 period a week; laboratory work, 2 periods a week. Spring term.

380. Dairy Cattle—3 hours. Types and breeds. Judging and marketing. Recitations, 2 periods a week; laboratory work, 2 periods a week. Fall term.

382. Beef Cattle and Sheep—3 hours. Types, breeds, grades. Judging and marketing. Recitations, 2 periods a week; laboratory work, 2 periods a week. Spring term.

384. Horses—2 hours. Types, breeds, classes, grades. Judging. Recitation, 1 period a week; laboratory work, 2 periods a week. Spring term.

386. Swine—2 hours. Types, breeds, market classes, grades. Judging and marketing. Recitation, 1 period a week; laboratory work, 2 periods a week. Fall term.
480. Soil Fertility—2 hours. Winter term.

484. Farm Poultry—2 hours. Breeds and varieties. Management. Recitation, 1 period a week; laboratory work, 2 periods a week. Fall term.


487. Farm Management—3 hours. Winter term.

488. Marketing Agricultural Products—3 hours. Grain, live stock, and produce marketing, with emphasis upon co-operative methods. Fall term.

494. Methods in Agriculture—5 hours. Prerequisite: 10 hours of agriculture and Education 460. Spring term.

SOCIAL SCIENCE

1. History

A major in history requires History 14, 304, 404; Government 132; Economics 152; and 20 hours of additional work in history, 15 hours of which must be selected from History 12, 102, 104, 302, 402, 406, and 408.

The work of a student whose major is history must include Sociology 358 or 5 hours of additional work selected from courses in economics and sociology, and 5 hours of additional work in government.

A minor in history consists of at least 20 hours of work which should be chosen from History 14, 302, 304, 402, and 404.

12. European History, 400-1650—5 hours. Survey course with emphasis upon the movements most important for their influence on later periods. Fall term.


102. English History to 1688—5 hours. Fall term.

104. English History since 1688—5 hours. Winter term 1937-38 and alternate years.

106. History of Iowa—2 hours. Fall and spring terms.

302. European History, 1650-1815—5 hours. Survey course with emphasis upon the French Revolution and the Napoleonic period. Fall term.

304. American History since 1865—5 hours. Reconstruction, the rise of big business, financial adjustments, the reform movements, and the emergence of the United States as a world power. Each term.

306. American Colonial History—5 hours. Founding of the American colonies; evolution of economic, social, and governmental institutions; various phases of the independence movement. Spring term.
308. **American Constitutional History**—5 hours. The development of the Constitution of the United States from its adoption to the present time. Prerequisite: Government 132 or a course in American history. Fall term.

402. **Greek and Roman Civilization**—5 hours. Contributions of Greece and Roman civilization to human progress. Fall term.

404. **European History since 1815**—5 hours. Introduction to current national and international problems. Winter term.

406. **European History since 1914**—5 hours. Intensive study of post-war developments. Prerequisite: 10 hours of social science in courses open only to juniors and seniors. Spring term.

408. **The British Empire**—5 hours. Spring term.

410. **The Far East**—3 hours. Brief course including recent history of China, Japan, and India. Winter term 1937-38 and alternate years.

412. **Diplomatic History of the United States**—5 hours. American foreign relations with emphasis upon the Monroe Doctrine, rights of neutrals, territorial expansion, and peaceful solutions of disputes. Prerequisite: 5 hours of American history. Winter term.

414. **History of the West**—5 hours. The westward moving frontier and its influence upon American history. Prerequisite: 5 hours of American history.


490. **The Teaching of the Social Sciences**—5 hours. This course has been approved as a course in education for a student whose major is history or government or economics and sociology. Prerequisite: 15 hours of social science and Education 460. Fall term.

2. **Government**

A major in government requires Government 132, 342, 438; History 304; Economics 152; and 15 hours of additional work from courses in government.

The work of a student whose major is government must include 5 hours of additional work in history and 5 hours of additional work selected from courses in economics and sociology.

A minor in government consists of at least 20 hours of elective work in government.

132. **American Government**—5 or *3 hours. The republican form of government and the constitution of Iowa and of the nation. The organization and actual workings of the American government in all of its branches.

134. **Parliamentary Law**—1 hour. Each term.

*The three-hour course is credit only on the one-year curriculum for teachers in rural schools and on the two-year curricula.
332. Principles of Political Science—5 hours. No credit for a student who has credit for American Political Theories. Nature, origin, and sovereignty of the state; relation of a state to other states; separation of the powers of the state; authority of the state over the individual. Spring term 1938 and alternate years.

336. 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. Prerequisite: Government 132. Winter term 1937-38 and alternate years.

338. State Government and Administration—3 hours. Comparative study of the organization and administration of state government in the United States. Fall term 1937 and alternate years.


342. Modern European Governments—5 hours. Comparative study of the organization and administration of the governments of England, France, Germany, Switzerland, Italy, and certain newer European states. Spring term.


438. World Government and Politics—5 hours. International relations of independent states; arbitration, alliances, conferences, and congresses; the balance of power, the Hague Court, and the League of Nations. Prerequisite: Government 132. Winter term 1936-37 and alternate years.

440. International Law—5 hours. Development of the law of nations; its nature, source, and present status; doctrine of intervention; laws of war and peace; rights and duties of neutrals. Prerequisite: Government 132. Winter term 1936-37 and alternate years.

442. School Laws of Iowa—3 hours. Legal rights, powers, duties, and responsibilities of school corporations, school boards, school officers, superintendents, teachers, parents, and pupils. Spring term 1938 and alternate years.

3. Economics and Sociology

A major in economics and sociology requires Economics 152 and 352; Economics 354 or Sociology 358; History 304; Government 132; and 15 hours of additional work in economics and sociology.

The work of a student whose major is economics and sociology must include 5 hours of additional work in history and 5 hours of additional work in government.
Commercial Education 455, though not included in the economics and sociology major line, may be used in meeting the requirements of a major in economics and sociology.

A minor in economics and sociology consists of at least 20 hours of work in economics and sociology.

**Economics**


353. Economic History of the United States—5 hours.

354. Money and Banking—5 hours. Fall term.

356. Labor Problems—3 hours. Labor organizations; wage levels, hours of work, unemployment, women in industry; methods of settling industrial disputes; labor legislation; industrial democracy. Winter term.


460. Transportation—3 hours. Problems of highway, water, rail, and air transportation. Regulation of rates and services. Prerequisite: Economics 152. Winter term 1936-37 and alternate years.

462. Public Utilities—5 hours. History of public utilities; their relationship to the community; valuation and rates; service requirements; regulation. Winter term 1937-38 and alternate years.

464. Industrial Combinations—3 hours. Types of organization; production on a large scale; legislation.

466. Foreign Trade Problems—3 hours. International trade; foreign exchange; trade policies and tariffs; international debts. Prerequisite: Economics 152. Winter term 1936-37 and alternate years.

**Sociology**

154. Rural Sociology—3 hours. Agricultural production, farm incomes, rural credits, tenantry, rural leadership, social centers and recreation, the rural church and the rural school.


470. Population—3 hours. Composition of population; theories of population; improvement of racial quality; growth of population and its bearing upon wages and standards of living; rural population. Fall term.


TEACHING

Credit used in meeting the teaching requirements of any curriculum must be earned in courses offered by the Department of Teaching at this institution.

A major in teaching and critic training must include 15 hours of teaching, 15 hours of Critic Training, and 10 hours of education.

In the work in kindergarten-primary teaching, and teaching, students take charge of classes in the campus schools or in affiliated schools, outline units of work, meet the critics for conferences, prepare comprehensive reports on the phases of teaching undertaken during the term, and perform such other duties as may be assigned.

A student who has completed a two-year curriculum and has earned only 10 hours of credit in teaching must earn 5 hours of additional credit in teaching in the senior year unless released from this requirement by the Head of the Department of Teaching. Critics in training are permitted to register for the last 5 hours of teaching in the junior year.

A student who cannot register for work on the campus during his term of teaching because of a teaching assignment outside of Cedar Falls may register for 15 hours of teaching during the term and may use credit for this work in meeting the requirements for graduation with the limitation that not more than 15 hours of credit in teaching including Rural Observation and Teaching may be used in meeting the requirements for graduation from any curriculum.

The scholarship average required before a student is permitted to enroll for teaching is the same as that required for graduation. (See page 34.) A student must make application for teaching at least one term in advance of the time when the work in teaching is to be done.

The course in Critic Training is open to a student who has completed at least two years of college work and has been selected by the head of the department as a critic in training. A critic in training is employed as a teacher in one of the campus schools or in an affiliated school and is permitted to register for 5 hours of other college work each term. For further particulars consult the Head of the Department of Teaching.

A critic in training may receive a department certificate in critic training on meeting the requirements for a degree and completing six terms of service in the Department of Teaching.

A student who has received a bachelor's degree from a standard college and has been selected as a critic in training may substitute eleven, twenty-two, or thirty-three weeks of graduate credit earned at a standard graduate school for one, two, or three terms of credit in critic training in meeting the requirements for a department certificate in critic training.
01. Illustrative Teaching—Credit required. A prerequisite of Teaching, except on the curricula for teachers in rural schools and for teachers in kindergarten-primary grades. Observation and discussion of illustrative lessons. Lectures, Selection and planning of units of work. Prerequisite: Psychology 15. Three periods a week.

5. Rural Observation and Teaching—2½ hours. Credit only on the curriculum for teachers in rural schools. Observation of illustrative lessons with discussion and plan writing. Teaching in the demonstration schools under critic supervision. Three periods on each of two afternoons a week.

10. Directed Observation of Kindergarten-Primary Work—2 hours. Credit only on the curriculum for teachers in kindergarten-primary grades and for a student whose major is nursery school-kindergarten education or kindergarten-primary education. Selection and planning of units of work. Observation and discussion of illustrative lessons. Prerequisite: Psychology 20. Daily.

15. Activities of Young Children—2½ hours. Credit only on the curriculum for teachers in kindergarten-primary grades. Child life in its physical, mental, and social aspects. Observation in the nursery school and kindergarten, lectures, references, and class discussions. Daily.

302, 402. *Nursery School Teaching. Prerequisite: Teaching 10 and 15; Industrial Arts 21; and 10 hours of psychology and education. Five periods of classroom work and two periods of conference a week are required for each 5 hours of credit.

304, 404. *Kindergarten-Primary Teaching. Prerequisite: Teaching 10; and 10 hours of psychology and education. Five periods of classroom work and two periods of conference a week are required for each 5 hours of credit.

306, 406. *Teaching. Prerequisite: Teaching 01; and 10 hours of psychology and education. Five periods of classroom work and two periods of conference a week are required for each 5 hours of credit.

470. Critic Training—15 hours. Six terms of training. Students are selected for this work by the Head of the Department of Teaching. Prerequisite: two years of college credit.

*Not more than 15 hours of credit in Teaching may be used in meeting the requirements for graduation on any curriculum.
EXTENSION SERVICE FOR 1936-1937

The extension service includes consultative service, correspondence work, and extension class work.

Consultative Service

The services of the members of the extension staff are available to teachers, administrators, and boards of education for the improvement of instruction and administration in the public schools of Iowa.

Extension Credit Work

Extension credit may be earned by correspondence work or by extension class work.

Fees

The fee for extension credit work is $4 a term hour payable in advance. A matriculation fee of $5 is charged for first enrollment whether for residence or extension credit work.

Refunds

In case a student unable to complete an extension credit course because of illness certified to by a physician or for other excusable cause, not to exceed four-fifths of the total amount paid may be refunded.

General Regulations

No student who is registered for residence work in this institution or for credit work of any kind in any other institution may be registered for extension credit work.

No student may earn more than 15 term hours of credit by extension work in any one calendar year. No student may earn more than 5 term hours of credit by extension work in any one period of twelve weeks.

A five-hour course may not be completed by extension work in less than twelve weeks, a three-hour course in less than eight weeks, or a two-hour course in less than five weeks.

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

The regulations pertaining to marks and credit are the same for extension work as for work in residence.

Correspondence Work

To be registered for correspondence work an applicant must have met all requirements for college entrance and must have earned in addition at least one full year of college credit, except that with the permission of the Dean of the Faculty mature and experienced teachers may register for correspondence work without a full year of college credit.
To be registered for correspondence work an applicant must have earned an average of 2 times as many grade points as hours of credit at this institution or must have maintained as high scholarship standing at another institution.

At least two written lessons for each term hour of credit work are required of a student registered for correspondence work.

No credit may be received for correspondence work unless the student has satisfactorily passed a written examination on the course.

Partial credit earned in residence in any course may not be completed by correspondence work.

A correspondence course must be completed within twelve months from the date of registration. If, however, a student who is registered for correspondence work registers for residence work within one year from the date of registration for his correspondence work and before the completion of that work, he is entitled to continue correspondence work at the close of his residence work until the entire time of his correspondence work exclusive of time spent in residence work amounts to 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.

Courses Approved for Correspondence Work

For the content and prerequisites of these courses see the departmental statements of courses of instruction.

### Education

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<td>29: Child Psychology</td>
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<td>416: Psychology of Adolescence</td>
<td>5</td>
</tr>
<tr>
<td>420: Social Psychology</td>
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<table>
<thead>
<tr>
<th>Education</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>35: Elementary School Methods</td>
<td>5</td>
</tr>
<tr>
<td>325: Statistical Methods in Education</td>
<td>2</td>
</tr>
<tr>
<td>435: The Teaching of Reading and Spelling</td>
<td>5</td>
</tr>
<tr>
<td>440: The Teaching of Social Studies In the Elementary School</td>
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### English

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>15: American Prose Writers, 1825-1875</td>
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<tr>
<td>16: American Poets, 1825-1875</td>
</tr>
<tr>
<td>100: Description and Narration</td>
</tr>
<tr>
<td>300: Advanced Exposition</td>
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<table>
<thead>
<tr>
<th>Hours</th>
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<tbody>
<tr>
<td>315: English Literature, 670-1625</td>
</tr>
<tr>
<td>325: Shakespeare</td>
</tr>
<tr>
<td>400: Advanced Story Writing</td>
</tr>
<tr>
<td>435: The English Novel, 1740-1875</td>
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### Home Economics

<table>
<thead>
<tr>
<th>Hours</th>
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<tbody>
<tr>
<td>10: Textiles</td>
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<tr>
<td>12: House Furnishing and Decoration</td>
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<table>
<thead>
<tr>
<th>Hours</th>
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<tbody>
<tr>
<td>60: Nutrition of Children</td>
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<td>300: Child Care</td>
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## Languages

<table>
<thead>
<tr>
<th>Language</th>
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<tbody>
<tr>
<td>French</td>
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<tr>
<td>301: Modern French Prose</td>
<td>3</td>
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<tr>
<td>302: Short French Plays</td>
<td>2</td>
</tr>
<tr>
<td>303: French Short Stories</td>
<td>3</td>
</tr>
<tr>
<td>304: French Comedies</td>
<td>2</td>
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<tr>
<td>305: Rostand's Cyrano de Bergerac</td>
<td>2</td>
</tr>
<tr>
<td>306: French Life</td>
<td>5</td>
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<tr>
<td>307: French Novel of the Romantic Period</td>
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<td>309: The French Novel and Short Story of the Realistic Period</td>
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<tr>
<td>401: Contemporary French Drama</td>
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<tr>
<td>404: The Plays of Corneille and Molière</td>
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<tr>
<td>405: Racine and La Fontaine</td>
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<tr>
<td>406: French Literature of the 18th Century</td>
<td>3</td>
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<tr>
<td>407: Victor Hugo</td>
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<tr>
<td>408: Edmond Rostand</td>
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<tr>
<td>409: Pierre Loti</td>
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<tr>
<td>German</td>
<td>5</td>
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<td>301: Recent German Prose</td>
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## Mathematics and Commercial Education

<table>
<thead>
<tr>
<th>Mathematics and Commercial Education</th>
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<tbody>
<tr>
<td>10: Principles of Elementary Mathematics</td>
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<tr>
<td>100: Mathematics I, College Algebra</td>
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</tr>
<tr>
<td>101: Mathematics II</td>
<td>5</td>
</tr>
<tr>
<td>102: Mathematics III</td>
<td>5</td>
</tr>
<tr>
<td>300: Calculus I</td>
<td>5</td>
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<tr>
<td>301: Calculus II</td>
<td>5</td>
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<tr>
<td>305: Modern Geometry A, Projective Geometry</td>
<td>3</td>
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<tr>
<td>306: Modern Geometry B, Advanced Euclidian Geometry</td>
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</tr>
<tr>
<td>401: Theoretical Mechanics A</td>
<td>3</td>
</tr>
<tr>
<td>404: History of Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>408: Principles of Elementary Mathematics II</td>
<td>3</td>
</tr>
<tr>
<td>490: The Teaching of Secondary Mathematics</td>
<td>5</td>
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<td>51: Shorthand II</td>
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## Music

<table>
<thead>
<tr>
<th>Music</th>
<th>Hours</th>
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<tbody>
<tr>
<td>16: Harmony I</td>
<td>3</td>
</tr>
<tr>
<td>315: Music History and Form I</td>
<td>2</td>
</tr>
<tr>
<td>316: Music History and Form II</td>
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## Biological Science

<table>
<thead>
<tr>
<th>Biological Science</th>
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<tbody>
<tr>
<td>12: Health Education</td>
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## Agriculture

<table>
<thead>
<tr>
<th>Agriculture</th>
<th>Hours</th>
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<tbody>
<tr>
<td>480: Soil Fertility</td>
<td>2</td>
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<tr>
<td>485: Feeds and Feeding</td>
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## Social Science

<table>
<thead>
<tr>
<th>History</th>
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<tbody>
<tr>
<td>12: European History, 400-1650...</td>
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</tr>
<tr>
<td>14: American History to 1865</td>
<td>5</td>
</tr>
<tr>
<td>102: English History to 1688</td>
<td>5</td>
</tr>
<tr>
<td>104: English History since 1688</td>
<td>5</td>
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<tr>
<td>302: European History, 1650-1815</td>
<td>5</td>
</tr>
<tr>
<td>304: American History since 1865</td>
<td>5</td>
</tr>
<tr>
<td>404: European History since 1815</td>
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</tr>
<tr>
<td>406: European History since 1914</td>
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<td>410: The Far East</td>
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<tr>
<td>412: Diplomatic History of the United States</td>
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<table>
<thead>
<tr>
<th>Government</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>12: American Government</td>
<td>5</td>
</tr>
<tr>
<td>342: Modern European Governments</td>
<td>5</td>
</tr>
<tr>
<td>432: Local Government</td>
<td>2</td>
</tr>
<tr>
<td>434: Municipal Government</td>
<td>5</td>
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<tr>
<td>442: School Laws of Iowa</td>
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## Economics and Sociology

<table>
<thead>
<tr>
<th>Economics and Sociology</th>
<th>Hours</th>
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<tbody>
<tr>
<td>152: Principles of Economics</td>
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<tr>
<td>354: Money and Banking</td>
<td>5</td>
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<tr>
<td>356: Labor Problems</td>
<td>3</td>
</tr>
<tr>
<td>358: General Sociology</td>
<td>5</td>
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<tr>
<td>360: Social Problems</td>
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<tr>
<td>472: Crime and Poverty</td>
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</table>
Extension Class Work

Extension classes may be organized either on the campus or elsewhere in the state for teachers in service whenever a sufficient number of persons properly qualified to take an extension course indicate their desire to register for the course.

Only those students who fully meet college entrance requirements may receive credit for extension class work. Other persons, 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 person may be admitted to an extension class for work without credit.

For each term hour of credit work, an extension class receives not less than ten clock hours of actual class instruction. No extension class receives more than five hours of class instruction a week.

Courses Approved for Extension Class Work Off the Campus

For the content and prerequisites of these courses see the departmental statements of courses of instruction.

Arts

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>110: Art Essentials</td>
<td>2½</td>
</tr>
<tr>
<td>115: Design I</td>
<td>2½</td>
</tr>
<tr>
<td>125: Art Crafts I</td>
<td>2½</td>
</tr>
<tr>
<td>315: Interior Design</td>
<td>2½</td>
</tr>
<tr>
<td>330: Lettering and Poster Design</td>
<td>2½</td>
</tr>
<tr>
<td>380: Art Appreciation</td>
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Industrial Arts

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>22: Industrial Arts for Intermediate Grades</td>
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Education

<table>
<thead>
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<th>Course</th>
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<tbody>
<tr>
<td>15: Educational Psychology I</td>
<td>5</td>
</tr>
<tr>
<td>20: Child Psychology</td>
<td>5</td>
</tr>
<tr>
<td>405: Educational Psychology II</td>
<td>5</td>
</tr>
<tr>
<td>414: Genetic Psychology</td>
<td>5</td>
</tr>
<tr>
<td>420: Social Psychology</td>
<td>5</td>
</tr>
<tr>
<td>10: Introduction to Education</td>
<td>5</td>
</tr>
<tr>
<td>25: Reading and Mathematics for Primary Grades</td>
<td>5</td>
</tr>
<tr>
<td>30: Language and Literature for Kindergarten-Primary Grades</td>
<td>5</td>
</tr>
<tr>
<td>35: Elementary School Methods</td>
<td>5</td>
</tr>
<tr>
<td>45: Elementary School Management</td>
<td>5</td>
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<tr>
<td>425: The Teaching of Reading and Spelling</td>
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<tr>
<td>440: The Teaching of Social Studies in the Elementary School</td>
<td>3</td>
</tr>
<tr>
<td>442: Literature for Kindergarten-Primary Children</td>
<td>5</td>
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<tr>
<td>446: Teaching Techniques</td>
<td>2</td>
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<tr>
<td>456: Tests and Measurements for the Elementary School</td>
<td>3</td>
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<tr>
<td>458: Mental Tests</td>
<td>2</td>
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<tr>
<td>460: Methods and Measurements in the High School</td>
<td>5</td>
</tr>
<tr>
<td>464: The Kindergarten-Primary Curriculum</td>
<td>5</td>
</tr>
<tr>
<td>466: The Elementary School Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>470: Elementary School Supervision</td>
<td>5</td>
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<tr>
<td>488: History of Education</td>
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English

<table>
<thead>
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<th>Course</th>
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<tbody>
<tr>
<td>1: English I</td>
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</tr>
<tr>
<td>10: Elements of Literature</td>
<td>5</td>
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<tr>
<td>15: American Prose Writers, 1825-1875</td>
<td>2</td>
</tr>
<tr>
<td>16: American Poets, 1825-1875</td>
<td>3</td>
</tr>
<tr>
<td>100: Description and Narration</td>
<td>5</td>
</tr>
<tr>
<td>300: Advanced Exposition</td>
<td>5</td>
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<td>325: Shakespeare</td>
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<td>420: English Literature, 1784-1832</td>
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<td>425: English Literature, 1832-1880</td>
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<tr>
<td>440: English Poets since 1875</td>
<td>2</td>
</tr>
<tr>
<td>441: English Prose Writers since 1875</td>
<td>3</td>
</tr>
<tr>
<td>442: American Poets since 1875</td>
<td>2</td>
</tr>
<tr>
<td>443: American Prose Writers since 1875</td>
<td>3</td>
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<td>445: American Literature, 1840-1875</td>
<td>5</td>
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<tr>
<td>Speech</td>
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<td>110: Public Speaking</td>
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Home Economics

<table>
<thead>
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<th>Course</th>
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<tr>
<td>10: Textiles</td>
<td>3</td>
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<tr>
<td>12: House Furnishing and Decoration</td>
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## Languages

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<tr>
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<th>101:</th>
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<th>103:</th>
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<tbody>
<tr>
<td>German</td>
<td>101: German I</td>
<td>102: German II</td>
<td>103: German Stories and Plays</td>
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<tr>
<td>Spanish</td>
<td>101: Spanish I</td>
<td>102: Spanish II</td>
<td>103: Spanish III</td>
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## Mathematics and Commercial Education

<table>
<thead>
<tr>
<th>Mathematics</th>
<th>Hours</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>100: Mathematics I, College Algebra</td>
<td>5</td>
<td>104: Cicero's Orations I</td>
</tr>
<tr>
<td>102: Mathematics III</td>
<td>5</td>
<td>105: Cicero's Orations II</td>
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<tr>
<td>309: Calculus</td>
<td>5</td>
<td>106: Ovid</td>
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<tr>
<td>305: Modern Geometry A, Projective Geometry</td>
<td>3</td>
<td>107: Vergil I</td>
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<tr>
<td>307: Mathematics of Finance</td>
<td>3</td>
<td>354: Advertising</td>
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<tr>
<td>401: Theoretical Mechanics A</td>
<td>3</td>
<td>355: Commercial Correspondence</td>
</tr>
<tr>
<td>406: Statistical Measurement</td>
<td>5</td>
<td>356: Commercial Law I</td>
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<tr>
<td>408: Principles of Elementary Mathematics II</td>
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<td>450: Commercial Law II</td>
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## Science

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<thead>
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<th>Hours</th>
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<tbody>
<tr>
<td>412: Heredity</td>
<td>3</td>
<td>162: Elements of Geography</td>
<td>5</td>
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<tr>
<td>162: Elements of Geography</td>
<td>5</td>
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<td></td>
</tr>
<tr>
<td>360: Astronomy</td>
<td>5</td>
<td>360: Astronomy</td>
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## Social Science

<table>
<thead>
<tr>
<th>History</th>
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<tbody>
<tr>
<td>12: European History, 400-1660</td>
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<td>342: Modern European Governments</td>
</tr>
<tr>
<td>14: American History to 1866</td>
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<td>342: Modern European Governments</td>
</tr>
<tr>
<td>16: English History to 1688</td>
<td>5</td>
<td>432: Local Government</td>
</tr>
<tr>
<td>19: English History since 1868</td>
<td>5</td>
<td>434: Municipal Government</td>
</tr>
<tr>
<td>106: History of Iowa</td>
<td>2</td>
<td>438: World Government and Politics</td>
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<tr>
<td>302: European History, 1650-1815</td>
<td>5</td>
<td>442: School Laws of Iowa</td>
</tr>
<tr>
<td>304: American History since 1865</td>
<td>5</td>
<td>354: Money and Banking</td>
</tr>
<tr>
<td>306: American Constitutional History</td>
<td>5</td>
<td>356: Labor Problems</td>
</tr>
<tr>
<td>404: European History since 1815</td>
<td>5</td>
<td>358: General Sociology</td>
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<td>412: Diplomatic History of the United States</td>
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<tr>
<td>Government</td>
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<td>360: Social Problems</td>
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<td>132: American Government</td>
<td>5</td>
<td>454: Corporation Finance and Investments</td>
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<td>338: State Government and Admin-</td>
<td>3</td>
<td>456: Public Finance</td>
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<td>istration</td>
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<td>468: The Family</td>
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</tbody>
</table>

## Extension Class Work on the Campus

With the approval of the head of the department concerned any course offered for work in residence may be offered for extension class work on the campus.
GRADUATES, 1934-35

A list of graduates from November, 1934, to August, 1935

FOUR-YEAR CURRICULA
DEGREE CURRICULUM ORGANIZED FOR MAJOR SUBJECTS
Major and minor lines of work are indicated

The Degree of Bachelor of Arts

November, 1934

Johnson, Paul Adrian (Mathematics—Physics, English) ........................................ Montezuma
Leversee, Grace (Commercial Education—English, Spanish) ......... Cedar Falls
McKenzie, Jean (Physical Education for Women—German, History) ... Virginia, Minn.
Pedersen, Francis Marian (Chemistry—Physics, Biological Science, Mathematics) ........................................ Waterloo
Rupp, Maude (Home Economics—English, Chemistry) ........................ Urbana
Schuster, Mildred Margaret (Commercial Education—English, History) ...... Dyersville

March, 1935

Bode, Cora A. (Physical Education for Women—History) ..................... Kesley
Gribben, Viva Mary (Art—History, English) ........................................ Mason City
Kurtz, Helen Graham (Physical Education for Women—Biological Science) Cedar Falls
Lenth, Harlan W. (Mathematics—Earth Science) ................................. Elkader
Lind, Leonard G. (Earth Science—Mathematics, Biological Science) .... Whiting
Smith, Paul A. (Speech—English, History) ........................................ Waterloo

June, 1935

Albrecht, Gertrude R. (Music—English) ........................................ Sumner
Anderson, Madeline Marie (English—French, Commercial Education) ........ Boone
Auld, Max (Speech—Mathematics) ................................................ Cedar Falls
Baker, Harry H. (Mathematics—History) .......................................... Mingo
Barker, Donald W. (History—English, Economics and Sociology) ........ Milton
Behrens, Glenn W. (History—English, Earth Science) .................... Cedar Falls
Bennett, Roger Henry (English—Mathematics, German) ........... Nampa, Idaho
Bishop, Agnes L. (Mathematics—English, Commercial Education) ... Elliott
Bliese, John Carl William (Biological Science—Chemistry, Earth Science, German) ...... Waterloo
Blossom, Margaret (Music—English, History) ........................................ Algona
Boatman, Maurice Wilson (English—Speech, History, Earth Science) Montezuma
Bode, R. Cornelius (History—Government, Economics and Sociology, English) Austinville
Brauer, Lois (Government—History, English, Speech) ................... Cedar Falls
Brown, Helen M. (Mathematics—Physics, Government) ................... Cedar Falls
Buckmaster, Miriam J. (English—History, Speech) ............................... Dunkerton
Campbell, Lorene E. (Mathematics—Physics, Commercial Education) Cedar Falls
Cook, Marjorie L. (Physical Education for Women—English, Art) ....... Waterloo
Coofer, W. Merton (Speech—English, Mathematics) ......................... Janesville
Cotton, Richard W. (Mathematics—Commercial Education) ....... Waterloo
Cunning, Viola Mildred (Mathematics—English, Commercial Education) Cedar Falls
Curtis, James F. (Economics and Sociology—Government, Mathematics) Maquoketa
Cutler, F. Ross, Jr. (Chemistry—Mathematics, Physics) .................... Cedar Falls
Cutler, Phyllis (Biological Science—Economics and Sociology, English) Cedar Falls
Davies, Mabel (History—English, Mathematics) .......................... Plymouth
Davis, Armina Belle (Primary Education—Biological Science, Psychology) Cedar Rapids
Davis, Dorothy E. (English—Latin) ................................................ Cedar Falls
Dean, Marie Patricia (History—French, English) ............................. Waterloo
Dunn, Juanita (English—Music, History) ........................................ Alta
Ervine, Isabel Matilda (Primary Education—Psychology, Economics and Sociology) Perry
Faust, Alice Anne (English—German, Speech) ........................................ Cedar Falls
Fletcher, James Lester (Economics and Sociology—Mathematics, History, Commercial Education) ........ Cedar Falls
Flickinger, BeaullAH B. (Primary Teaching and Critie Training— Speech, French) ........................................ Dinsdale
Furry, Lenore E. (Chemistry—History, Sociology) ............................................................................ Waterloo
Galloway, Roger M. (Mathematics—History, Government) ......................................................... Cedar Falls
Gentry, Ruth E. (Physical Education for Women—Economics and Sociology, Biological Science) ..................... Corning
Grant, David M. (Economics and Sociology—English, History, Mathematics, Speech) ....................... Oelwein
Gutz, Marcella I. (English—Speech, German) ................................................................................... Pomeroy
Hansen, Ted (Mathematics—Physics, English, History) ............................................................... Cedar Falls
Harden, Richard F. (Orchestral and Band Music—History, Mathematics) ........................................ Waverly
Hart, Randall C. (History—Government, Economics, Sociology) .................................................. Belle Plaine
Herrmann, Roger Charles (Economics and Sociology—History, English) ........................................ Waverly
Hill, Charles E. (History—English, Economics and Sociology, Chemistry) ........................................ Clarion
Hoelscher, Catharina (Mathematics—English, History, Earth Science) ............................................ Hub bard
Hoepner, Alice Margaret (Primary Education—Psychology, Biological Science) ....................................... Waterloo
Holmes, Lillian Margaret (Speech—English) ....................................................................................... Crawfordsville
Howe, Gayle E. (English—Speech, History) ......................................................................................... Bedford
Humphreys, Helen Louise (History, French) ........................................................................................ Marshalltown
Jasper, Helen Jo (Teaching and Critie Training—Earth Science, History) .......................................... Willow Lake, S. Dak.
Kehr, Marian (English—Latin, History) ................................................................................................ Manila
Kirkpatrick, Joseph F. (Physics, Agriculture) ...................................................................................... Kinross
LaDage, Mary G. (Orchestral and Band Music—History, English, Mathematics) ............................... Waverly
Leake, Margaret Elizabeth (Mathematics—History, English) ................................................................. Waterloo
Lillibridge, Merl C. (Government—History, Economics and Sociology, English) ............................... Greeley
Linder, Le Von (Speech, English, French) ......................................................................................... Kentsett
Linneboele, Elizabeth Catherine (English—French, German) .......................................................... Decorah
Loats, Louella (Music—French, English) ............................................................................................... Belmond
Lomen, Glenn E. (Mathematics—English, History, Commercial Education) ........................................ Cedar Falls
Lyons, Oscar D. (English—History, Economics and Sociology, Earth Science) ............................... Everett, Ohio
Madison, Ruby M. (Elementary Education—History, Economics and Sociology) .............................. Ringsted
Manning, Arthur F. (History—Government, Mathematics, English) .................................................. Grundy Center
Manning, Alice E. (Biological Science—English) .................................................................................. Newton
Masters, Opal (History—English, Earth Science, French) ..................................................................... Dunbar
Miller, Donald B. (History—Government, English, Earth Science) .................................................... Hillsboro
Miller, Roger Fredric (History—English, Chemistry) ............................................................................. Fayette
Mitze, Mary Louise (English—Speech, French, Music) ........................................................................ Cedar Falls
Mueller, Virginia T. (History—English, Art) .......................................................................................... Cedar Falls
Mueters, Kenneth Lowell (History—Government, Mathematics) .................................................... S. Dak.
McMillan, Helen Florence (Music—English, History) .......................................................................... Newton
Mitze, Mary Louise (English—Speech, French, Music) ........................................................................ Cedar Falls
Ostergard, Ardell (Commercial Education—Mathematics, French, English) .................................. Cedar Falls
Parrish, Eva (Elementary Education—History, Earth Science) .......................................................... Blairsburg
Petersen, Jessamme M. (Commercial Education—Mathematics, English) ........................................ Alta
Peterson, Ethel (Psychology) ................................................................................................................. Cedar Falls
Peterson, Lester E. (Chemistry—Mathematics, Physics) ........................................................................ Alta
Pillow, Keith K. (English—History, French) .......................................................................................... Garber
Pool, Melvin Simeon (History—Manual Arts, Agriculture) ................................................................. Ocheyedan
Prior, Marjorie Evelyn (Physical Education for Women—Home Economics) ................................ Cedar Falls
Qure, Dorothy F. (Physical Education for Women—Speech, Biological Science) ................................. Lynville
Ransford, Amy A. (Physical Education for Women—Home Economics, Biological Science) ............ Eagle Grove
Sadow, Jacob Coes (Chemistry—Mathematics, Physics, English) ....................................................... Clarion
Settenrich, Charles P. (Orchestral and Band Music—Mathematics, Chemistry) ..................................... Cedar Falls
Sewerin, Betty Rose (Speech—English, History) .................................................................................. Cedar Falls
Sliver, Flora Willms (Speech—English, History) .................................................................................. Waterloo
Smith, John H. (Mathematics—Physics, French, English) ................................................................. Lucas
Steele, Hugh H. (English—Speech) ....................................................................................................... Winterset
Stetzell, Ruth Herriott (English—Speech, History) ........................................................................ Cedar Heights
Slober, Oliver Henry (History—Government, English) ........................................................................ Armstrong
Song, Vincel (Speech—English, History) .............................................................................................. Waterloo
Stipert, Laverne Eileen (Commercial Education—English) ................................................................. Rochester, Minn.
Stoebel, Alberta Lois (English—French, Psychology) .......................................................................... Waterloo
Thieman, Anita (Elementary Education—History, Music) ................................................................. Cedar Falls
Thierman, Mildred Elizabeth (Commercial Education—German, Economics and Sociology) ............... Waterloo
August 1935

The Degree of Bachelor of Science

June, 1935

de Bey, Albert Bevan (Chemistry—Biological Science)........................Orange City
The Degree of Bachelor of Science in Agriculture

August, 1935
Byers, Raymond E. (Manual Arts, History, English) Yorktown

The Degree of Bachelor of Science in Commercial Education

November, 1934
Harman, Priscilla M. C. (English, Economics and Sociology) Davenport

March, 1935
Scott, Marie (Economics and Sociology, Earth Science, English) Bondurant

June, 1935
Brown, Helene J. (Economics and Sociology) Waterloo
Brown, Lois Arline (History, Economics and Sociology) Cedar Falls
Moore, Dale E. (History, English, Earth Science) Springville
Spence, Marjorie Lucile (English, Physical Education for Women) Atlantic
Vinall, Anson (Agriculture) Newton

August, 1935
Azeltine, Margaret (Economics and Sociology, English) Cedar Falls
Carr, Maurice Leo (History, Earth Science) Maloy
Derham, Hugh Alden (Economics and Sociology) Hudson
Gitt, Frances Lucile (English, History) Rock Island, Ill.
Johnson, Jay R. (Government, Economics and Sociology) Radcliffe
Krueger, Viola L. (Music) Charles City
Olthoff, Peter (English) Parkersburg
Sears, Gladicé Noble (English, Government) Nashua
Stoll, Dorothea (Economics and Sociology, English) Preston
Vetterick, Marion D. (Economics and Sociology) Massena
Vinall, Roy A. (Economics and Sociology, Earth Science) Newton

The Degree of Bachelor of Science in Home Economics

June, 1935
Anderson, Ruth E. (English, Biological Science) Cedar Falls
Brayton, Iva M. (English, Biological Science) Manchester
Dawson, Ruth L. (Biological Science, English) Rolfe
McNabb, Reva Iola (Biological Science, English) Britt
Perrin, Edith Shanks (English, Economics and Sociology) Waterloo
Streeter, Virginia (English) Cedar Falls

August, 1935
Calderwood, Margaret Eloise (Biological Science) Traer
Fitzgerald, Margaret Catherine (Chemistry) Waterloo
Schultz, Evelyn A. (History) Cedar Falls

The Degree of Bachelor of Science in Manual Arts

March, 1935
Perry, Hartsel M. (History, Earth Science) Osceola

June, 1935
Nutting, Donald H. (Agriculture, Physics) Grinnell
Seaver, Lloyd H. (History) Nora Springs
Speer, John Millard (Earth Science) Cedar Falls

August, 1935
Busky, Jay (Economics and Sociology) Ames
Fleeter, C. Donnan (Mathematics) Independence
McLain, Roy W. (Government) Davenport
Paulsen, Clement L. (Art) Great Falls, Mont.
Schrödy, Leo J. (English, History, Agriculture) Cedar Falls
The Degree of Bachelor of Science in Music

June, 1935

Tackaberry, Gwen (Mathematics, English) ........................................ Waterloo

August, 1935

Mielitz, Mary Kathryn (English) .................................................. Cedar Falls

The Degree of Bachelor of Science in Orchestral and Band Music

June, 1935

Blowers, Helen Jane (English, French) ........................................ Waterloo

Rosenberger, Rachel Vivian (English) ........................................ Cedar Falls

August, 1935

Mueller, Ruth Gladys (French) ...................................................... Waterloo

Palmquist, Marjorie Jane (English, French) .................................. Smithland

The Degree of Bachelor of Science in Physical Education

March, 1935

Blanchard, Donald A. (English) .................................................. Lone Rock

McCllland, Tom N. (Biological Science) ....................................... Waterloo

Orrbell, George H. (Agriculture, History) .................................... Randalia

June, 1935

Brower, Isabel (English) ............................................................. Sheffield

Caslavka, Paul P. (Biological Science, Manual Arts, History) .......... Clutier

Chambers, William Lee (Mathematics, History) ................................ Anderson

Clark, Hugh Richard (History, Manual Arts) .................................. Center Point

Dana, George E. (History, Biological Science) ............................... Manson

Downey, Wayne Morrison (Agriculture, Manual Arts, Biological Science) ........................................ Grundy Center

Hanna, Frank Gordon (Biological Science, History) ........................ Colfax

Harden, Edgar L. (Government) ..................................................... Montezuma

Ihm, Marc (Mathematics, Biological Science) ................................ Guttenberg

Jenkins, Herbert Milton (Mathematics, History) ............................. Waukon

Kimberlin, Kenneth E. (Manual Arts, Agriculture) ........................ Marshalltown

Long, Francis E. (Mathematics, Manual Arts, Biological Science) .... Brooklyn

Meindl, Irene Mary (Speech, Biological Science) ............................. Carroll

Rokenbrodt, Floyd (Agriculture, Biological Science, Mathematics) .......... Wallingford

Shroyer, Lyle C. (Manual Arts, Agriculture) .................................. Mount Ayr

Smalling, Raymond H. (Biological Science, Agriculture) ................. Janesville

Stewart, Lawrence C. Raymond (Manual Arts, Agriculture) ............. Des Moines

Stribley, Vernon (Agriculture, Biological Science) ........................ Correctionville

August, 1935

Donald, Verl C. (Agriculture, History) ......................................... Promise City

Ewing, Loren (History) ............................................................... Mount Ayr

Helm, Hubert W. G. (Agriculture) ............................................... Janesville

Manchester, Everett V. (Manual Arts) .......................................... Dayton

McKale, Earle Holt (Mathematics, History) ................................... Oelwein

Miller, H. Ray (Commercial Education) ....................................... West Bend

Miller, Vern E. (Commercial Education, History) .......................... West Bend

Pratt, James W. (Biological Science, History) ............................... Colfax

DEPARTMENT CERTIFICATE IN CRITIC TRAINING

Granted only to a student eligible for a degree

March, 1935

Sprague, Eugenie A. ................................................................. Storm Lake

June, 1935

Flickinger, Beulah B. ................................................................. Dinsdale

Jasper, Helen Jo ................................................................. Willow Lake, S. Dak.

August, 1935

Nelson, Ramona ................................................................. Ottosen

Thorne, N. Ferne ............................................................... Glidden
## GRADUATES, 1934-1935

### TWO-YEAR CURRICULUM

#### Curriculum for Teachers in Nursery School and Kindergarten

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#### Curriculum for Teachers in Primary Grades

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**Curriculum for Teachers in Grades above the Primary**

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<td>1934</td>
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<td>March</td>
<td>1935</td>
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<td>June</td>
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</tr>
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<td>Name</td>
<td>City</td>
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<td>HAIRLINE, Sarah Alma</td>
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<td>TOWNER, Elma Florence</td>
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<td>TRAEER, Marcia Esther</td>
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<td>TRIBLE, Arlene R.</td>
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<td>WAKEMAN, Phyllis Alberta</td>
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<td>Zumach, Eula Eunice</td>
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**August, 1935**

<table>
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<tr>
<td>Bainbridge, Helen</td>
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<td>Brown, Zadie Mildred</td>
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<td>Davenport</td>
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<td>Hudson</td>
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<td>Hudson</td>
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<td>Ryan</td>
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<td>Dubuque</td>
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<td>Letts</td>
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<tr>
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<td>Harlan</td>
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<td>Woolstock</td>
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<td>Avengers</td>
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<td>Mystic</td>
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<td>La Porte City</td>
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<td>Reading, Rall M.</td>
<td>Churdan</td>
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</table>
Curriculum for Teachers in Consolidated Schools

November, 1934

Lee, Carrie F. ........................................... Schaller
Farrington, Alava E. ..................................... Swea City
Graft, Bertha R. ......................................... Geneva
Kliesewetter, Clara ....................................... Haverhill
Peterson, Lillian L. ..................................... Stanton

June, 1935

Miller, Ida L. ............................................... Anita

August, 1935

Albaugh, Mary Lorena .................................. Eddyville
De Bolt, Thelma Ferne ................................... Carson
Huber, Lavern V. ......................................... Blakesburg
Junkermier, Irene Mary ................................... Ledyard
Phillips, W. Wendell ....................................... What Cheer

ONE-YEAR CURRICULUM

Curriculum for Teachers in Rural Schools

November, 1934

Early, Lora Maxine ........................................ Dumont
Bjork, Frances M. .......................................... Archer
Flack, Cecil D. ........................................... Jefferson
Hale, Mildred Irene ....................................... Conrad
Peterson, Eleanore ....................................... Essex
Poitevin, Frances Darline ................................ Dow City

June, 1935

Beery, Margaret Elinor .................................. Salem
Branch, Geraldine May .................................... Jewell
Brennan, Marie Frances ................................... Curlew
Caslavka, Gladys H. ....................................... Clutler
Davenport, Jean Elizabeth ................................ Oxford Junction
Eitmann, Lillie Marie ...................................... Treynor
Erb, Anna Mae .............................................. Rockford, Ill.
Goodman, Martha Pauline ................................ Story City
Hannam, Helen Melanie .................................... Walcott
Hansen, Thelma M .......................................... Armstrong
Heller, Esther Mae .......................................... Aredale
Irvine, Anna Margarette .................................. Dysart
Jungting, Gertrude .......................................... Parkersburg
Klinkenberg, Anita Rose .................................. Mason City
Ludeman, Lois Irene ...................................... Mason City
Mason, Marguerite I ....................................... Reinbeck
Moline, Irene J. M ......................................... La Porte City
Morgan, Dorothy ........................................... Tabor
Mugge, Dorothy ............................................ Sutherland
McKinney, Olive B .......................................... George
McRoberts, Doris E. ....................................... Greene
Neary, Florence Lucille ................................... Treynor
Nelson, Bernadine M ....................................... Alta
Niedermann, George Jacob ................................ Reinbeck
Poitevin, Grace Harriet ................................... Dow City
Reed, Jane .................................................... Springville
Schmidt, Elna M ............................................. Cedar Falls
GRADUATES, 1934-1935

Sheker, Erma Annette .................................................. Fort Dodge
Straborn, Mildred ........................................................... Ackley
Stuntz, Helen M. ............................................................ Greene
Van Dyke, Wilma S. .......................................................... Allison
Walter, Esther D. ............................................................. Quasqueton

August, 1935
Albers, Wilma Elbertha ....................................................... Royal
Bowersox, Elizabeth Gretchen .............................................. Cedar Rapids
Fisher, Violet A. ............................................................. Elma
Hafke, Paul Wilchem .......................................................... Farmersburg
Hertle, Elfrieda E. ............................................................ Vinton
Kracht, Evelyn L. ............................................................. Westside
Miller, Gladys M. ............................................................ Jesup
Peterson, Sadie Geneva ....................................................... Clermont
Read, Lila Maxine .............................................................. Cedar Rapids
Ross, Dorothy E. .............................................................. Hornick
Sarchett, Virginia Helen ..................................................... Center Point
Svendson, Mildred E. .......................................................... Castalia
Wood, Marian Francis ........................................................ Cedar Falls
Zickefoose, Margaret Irene ................................................. Thornton

NUMBER RECEIVING DEGREES AND DIPLOMAS

NOVEMBER, 1934, TO AUGUST, 1935

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<tr>
<th>Degree</th>
<th>Men</th>
<th>Women</th>
<th>Total</th>
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<tr>
<td>1. The degree of bachelor of arts</td>
<td>62</td>
<td>102</td>
<td>164</td>
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<tr>
<td>2. The degree of bachelor of science</td>
<td>1</td>
<td>1</td>
<td>2</td>
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<tr>
<td>3. Degree curricula organized for special subjects</td>
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</tr>
<tr>
<td>a. The degree of bachelor of science in agriculture</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>b. The degree of bachelor of science in commercial education</td>
<td>8</td>
<td>11</td>
<td>19</td>
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<tr>
<td>c. The degree of bachelor of science in home economics</td>
<td>9</td>
<td>9</td>
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<tr>
<td>d. The degree of bachelor of science in manual arts</td>
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<td>2</td>
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<tr>
<td>e. The degree of bachelor of science in music</td>
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<td>f. The degree of bachelor of science in orchestral and band music</td>
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<td>4</td>
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<tr>
<td>g. The degree of bachelor of science in physical education</td>
<td>27</td>
<td>2</td>
<td>29</td>
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<tr>
<td>4. Two-year diplomas</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>a. For teachers in the nursery school and kindergarten</td>
<td>8</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>b. For teachers in the primary grades</td>
<td>90</td>
<td>90</td>
<td></td>
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<tr>
<td>c. For teachers in the grades above the primary</td>
<td>5</td>
<td>109</td>
<td>114</td>
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<tr>
<td>d. For teachers in consolidated schools</td>
<td>1</td>
<td>10</td>
<td>11</td>
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<tr>
<td>5. One-year diplomas</td>
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<td></td>
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<tr>
<td>a. For teachers in rural schools</td>
<td>3</td>
<td>50</td>
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<tr>
<td>Total number of graduates</td>
<td>117</td>
<td>397</td>
<td>514</td>
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## SUMMARY OF ATTENDANCE

### JUNE 6, 1934, TO JUNE 3, 1935

### CLASSES OF STUDENTS

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<tr>
<th>Students with baccalaureate degrees on degree curricula</th>
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<th>Women</th>
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<tr>
<td></td>
<td>39</td>
<td>43</td>
<td>82</td>
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<table>
<thead>
<tr>
<th>Undergraduate students on degree curricula</th>
<th>Men</th>
<th>Women</th>
<th>Total</th>
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<tr>
<td>Seniors</td>
<td>160</td>
<td>232</td>
<td>392</td>
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<td>Juniors</td>
<td>124</td>
<td>372</td>
<td>496</td>
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<tr>
<td>Sophomores</td>
<td>129</td>
<td>132</td>
<td>261</td>
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<tr>
<td>Freshmen</td>
<td>267</td>
<td>171</td>
<td>438</td>
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</table>

| Total on degree curricula | 680 | 907   | 1587   |

<table>
<thead>
<tr>
<th>Students on two-year curricula</th>
<th>Men</th>
<th>Women</th>
<th>Total</th>
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<tbody>
<tr>
<td>Second-year students</td>
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<tr>
<td>Curriculum for teachers in nursery school and kindergarten</td>
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<td>15</td>
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<tr>
<td>Curriculum for teachers in primary grades</td>
<td>150</td>
<td>150</td>
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<tr>
<td>Curriculum for teachers in grades above the primary</td>
<td>21</td>
<td>208</td>
<td>229</td>
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<tr>
<td>Curriculum for teachers in consolidated schools</td>
<td>6</td>
<td>42</td>
<td>48</td>
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<th>First-year students</th>
<th>Men</th>
<th>Women</th>
<th>Total</th>
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<td>Curriculum for teachers in nursery school and kindergarten</td>
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<td>16</td>
<td></td>
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<tr>
<td>Curriculum for teachers in primary grades</td>
<td>230</td>
<td>230</td>
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<tr>
<td>Curriculum for teachers in grades above the primary</td>
<td>15</td>
<td>286</td>
<td>301</td>
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<tr>
<td>Curriculum for teachers in rural and consolidated schools</td>
<td>13</td>
<td>198</td>
<td>211</td>
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| Total on two-year-curricula | 54  | 1140  | 1194  |

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<th>Students registered for twelve weeks of normal training and not on a curriculum</th>
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<th>Women</th>
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<td>120</td>
<td>133</td>
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<table>
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<th>Special music students not on a curriculum</th>
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<th>Women</th>
<th>Total</th>
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<td>47</td>
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<table>
<thead>
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<th>Special students</th>
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<table>
<thead>
<tr>
<th>Special music students past 16 years of age and not high school graduates</th>
<th>Men</th>
<th>Women</th>
<th>Total</th>
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<th>Visitors</th>
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<th>Women</th>
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<td>58</td>
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| Total in residence | 808 | 2307 | 3115 |

### ATTENDANCE BY TERMS

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<th>Term</th>
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<td>Summer term, 1934</td>
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<tr>
<td>Cedar Falls</td>
<td>263</td>
<td>1118</td>
<td>1381</td>
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<tr>
<td>Corning</td>
<td>7</td>
<td>185</td>
<td>192</td>
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</tbody>
</table>

| Total for summer term       | 260 | 1253  | 1513  |

| Fall term                   | 522 | 1021  | 1543  |
| Winter term                 | 551 | 985   | 1536  |
| Spring term                 | 491 | 972   | 1463  |

<table>
<thead>
<tr>
<th>Total for fall, winter, and spring terms</th>
<th>Men</th>
<th>Women</th>
<th>Total</th>
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<tr>
<td>exclusive of duplicates</td>
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<td>1208</td>
<td>1818</td>
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<table>
<thead>
<tr>
<th>Total in residence exclusive of duplicates and of pupils in the training school</th>
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<th>Women</th>
<th>Total</th>
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<tr>
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<td>2307</td>
<td>3115</td>
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### PUPILS IN THE TRAINING SCHOOL AND IN AFFILIATED SCHOOLS

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<th>School</th>
<th>Boys</th>
<th>Girls</th>
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<td>Campus training school</td>
<td>196</td>
<td>199</td>
<td>395</td>
</tr>
<tr>
<td>Affiliated schools in classes taught by students</td>
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<td></td>
</tr>
<tr>
<td>Cherokee</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Primary grades</td>
<td>146</td>
<td>143</td>
<td>289</td>
</tr>
<tr>
<td>Intermediate grades</td>
<td>42</td>
<td>36</td>
<td>78</td>
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<tr>
<td>Hudson</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Primary grades</td>
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<td>16</td>
<td>55</td>
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<tr>
<td>Intermediate and upper grades</td>
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