

1918

Catalog of the University of Maine, 1918-1919, and Supplement, Curricula and Courses 1919-1920

University of Maine

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THE MAINE BULLETIN

LXI

NOVEMBER, 1918

No. 2

CATALOG

OF THE

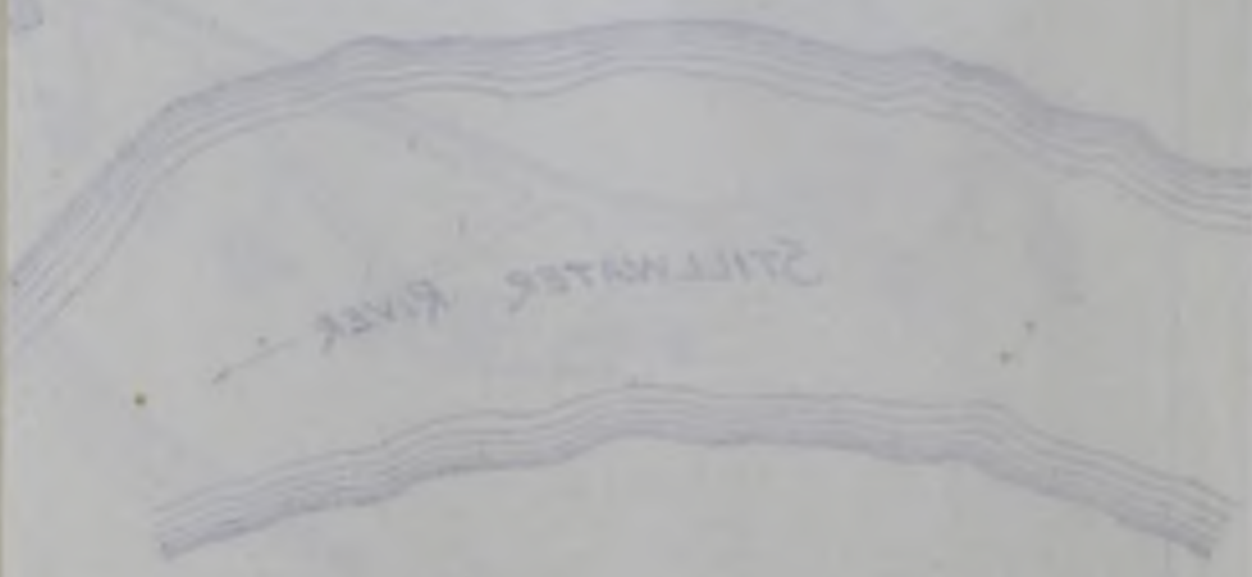
UNIVERSITY OF MAINE



1918 - 1919

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CATALOG OF THE
UNIVERSITY OF MAINE

1918-19



ORONO, MAINE

THE UNIVERSITY PRESS
ORONO, MAINE
1918

1918	1919	1919	1920
JULY	JANUARY	JULY	JANUARY
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
-- 1 2 3 4 5 6	-- -- -- 1 2 3 4	-- -- 1 2 3 4 5	-- -- -- -- 1 2 3
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14 15 16 17 18 19 20	12 13 14 15 16 17 18	13 14 15 16 17 18 19	11 12 13 14 15 16 17
21 22 23 24 25 26 27	19 20 21 22 23 24 25	20 21 22 23 24 25 26	18 19 20 21 22 23 24
28 29 30 31 -- -- --	26 27 28 29 30 31 --	27 28 29 30 31 -- --	25 26 27 28 29 30 31
AUGUST	FEBRUARY	AUGUST	FEBRUARY
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18 19 20 21 22 23 24	16 17 18 19 20 21 22	17 18 19 20 21 22 23	22 23 24 25 26 27 28
25 26 27 28 29 30 31	23 24 25 26 27 28 --	24 25 26 27 28 29 30	-- -- -- -- -- -- --
SEPTEMBER	MARCH	SEPTEMBER	MARCH
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
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8 9 10 11 12 13 14	2 3 4 5 6 7 8	7 8 9 10 11 12 13	8 9 10 11 12 13 14
15 16 17 18 19 20 21	9 10 11 12 13 14 15	14 15 16 17 18 19 20	15 16 17 18 19 20 21
22 23 24 25 26 27 28	16 17 18 19 20 21 22	21 22 23 24 25 26 27	22 23 24 25 26 27 28
29 30 -- -- -- --	23 24 25 26 27 28 29	28 29 30 -- -- -- --	29 30 31 -- -- -- --
OCTOBER	APRIL	OCTOBER	APRIL
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
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6 7 8 9 10 11 12	6 7 8 9 10 11 12	5 6 7 8 9 10 11	5 6 7 8 9 10 11
13 14 15 16 17 18 19	13 14 15 16 17 18 19	12 13 14 15 16 17 18	12 13 14 15 16 17 18
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27 28 29 30 31 -- --	27 28 29 30 -- -- --	26 27 28 29 30 31 --	26 27 28 29 30 -- --
NOVEMBER	MAY	NOVEMBER	MAY
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
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10 11 12 13 14 15 16	11 12 13 14 15 16 17	9 10 11 12 13 14 15	10 11 12 13 14 15 16
17 18 19 20 21 22 23	18 19 20 21 22 23 24	16 17 18 19 20 21 22	17 18 19 20 21 22 23
24 25 26 27 28 29 30	25 26 27 28 29 30 31	23 24 25 26 27 28 29	24 25 26 27 28 29 30
DECEMBER	JUNE	DECEMBER	JUNE
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6 7	1 2 3 4 5 6 7	-- 1 2 3 4 5 6	-- 1 2 3 4 5 6
8 9 10 11 12 13 14	8 9 10 11 12 13 14	7 8 9 10 11 12 13	7 8 9 10 11 12 13
15 16 17 18 19 20 21	15 16 17 18 19 20 21	14 15 16 17 18 19 20	14 15 16 17 18 19 20
22 23 24 25 26 27 28	22 23 24 25 26 27 28	21 22 23 24 25 26 27	21 22 23 24 25 26 27
29 30 31 -- -- --	29 30 -- -- -- --	28 29 30 31 -- -- --	28 29 30 -- -- -- --

Calendar

1918

September	30,	Monday,	Registration
October	1,	Tuesday,	Fall term opens, 8.00 A. M.
November	28,	Thursday,	Thanksgiving Day, a holiday
December	21,	Saturday,	Fall term ends
December	30,	Monday,	Winter term begins, 8.00 A. M.

1919

February	22,	Saturday,	Washington's Birthday, a holiday
March	22,	Saturday,	Winter term ends
March	31,	Monday,	Spring term begins, 8.00 A. M.
April	19,	Saturday,	Patriot's Day, a holiday
May	30,	Friday,	Memorial Day, a holiday
June	21,	Saturday,	Spring term ends
June	22,	Sunday,	Baccalaureate address
June	23,	Monday,	COMMENCEMENT

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HON. FREDERICK HASTINGS STRICKLAND Term expires April 28, 1922	Bangor
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HON. FRANK EDWARD GUERNSEY Term expires May 31, 1924	Dover
HON. WILLIAM THOMAS HAINES, B. S., LL. B., LL. D. Term expires June 19, 1925	Waterville
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FARM COMMITTEE: Doherty, Guernsey, and Bickford	

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JAMES MONROE BARTLETT, M. S.	}	<i>Members of the Station Staff</i>
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WARNER JACKSON MORSE, Ph. D.		
HERMAN HERBERT HANSON, M. S.		
FRANK MACY SURFACE, Ph. D.		

UNIVERSITY OF MAINE

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JAMES STACY STEVENS, Dean of the College of Arts and Sciences. 200 Aubert Hall, 175 Main Street
CHARLES DAYTON WOODS, Director of the Maine Agricultural Experiment Station. Holmes Hall, 133 Main Street
———, Dean of the College of Law
HAROLD SHERBURNE BOARDMAN, Dean of the College of Technology. 12 Wingate Hall, 68 Main Street

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ANIMAL INDUSTRY. Professor Corbett, 14 Winslow Hall, Campus
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BIOLOGICAL AND AGRICULTURAL CHEMISTRY. Professor Merrill, 15 Winslow Hall, 178 Main Street
BIOLOGY. Professor Chrysler, 24 Coburn Hall, 370 College Street
CHEMISTRY. Professor Easley, 211 Aubert Hall, 162 College Street
CHEMISTRY (AGRICULTURAL EXPERIMENT STATION). Professor Bartlett, Holmes Hall, 148 College Street

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ECONOMICS AND SOCIOLOGY. Professor Stephens, 10 Coburn Hall, 158
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EDUCATION. President Aley, 2A Alumni Hall, Campus
ELECTRICAL ENGINEERING. Professor Barrows, 21 Lord Hall, 36 Myrtle
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ENGLISH. Professor Stevens, 200 Aubert Hall, 175 Main Street
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FORESTRY. Professor Briscoe, 24 Winslow Hall, 380 College Street
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GEOLOGY. Professor Merrill, 15 Winslow Hall, 178 Main Street
GREEK CIVILIZATION. Professor Huddilston, 28 Library, 193 Main Street
HISTORY. Assistant Professor Whitmore, 11 Coburn Hall, 180 Main
Street
HOME ECONOMICS. Professor Freeman, 4 The Maples, University Inn
HORTICULTURE. Professor B. S Brown, 32 Winslow Hall, 44 Forest
Avenue
LATIN. Professor Chase, 15 Wingate Hall, 143 Main Street
LAW. Professor Peabody, The Library, 115 Main Street
MATHEMATICS AND ASTRONOMY. Professor Hart, 5 Alumni Hall, 130
College Street
MECHANICAL ENGINEERING. Professor Sweetser, 20 Lord Hall, 184 Main
Street
MECHANICS AND DRAWING. Professor Weston, 15 Wingate Hall, 130
College Street
MILITARY SCIENCE. Colonel Lang, Alumni Hall, University Inn
MUSIC. Director Sprague, 30 Coburn Hall, 217 Union Street, Bangor
PHILOSOPHY. Professor Craig, 23 Wingate Hall, 32 College Street
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Morse, Holmes Hall, 51 North Main Street
PHYSICS. Professor Stevens, 200 Aubert Hall, 175 Main Street
POULTRY HUSBANDRY. Professor Corbett, 14 Winslow Hall, Campus
SPANISH AND ITALIAN. Professor Peterson, 11 Fernald Hall, 104 North
Main Street

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B. S., Valparaiso, 1882; A. B., Indiana, 1888; A. M., 1890; Ph. D., Pennsylvania, 1897; LL. D., Franklin, 1909; Pennsylvania, 1917

LUCIUS HERBERT MERRILL, Professor of Biological and Agricultural Chemistry.

B. S., Maine, 1883; Sc. D., 1908

JAMES NORRIS HART, Dean of the University and Professor of Mathematics and Astronomy.

B. C. E., Maine, 1885; C. E., 1890; M. S., Chicago, 1897; Sc. D., Maine, 1908

FREMONT LINCOLN RUSSELL, Professor of Bacteriology and Veterinary Science.

B. S., Maine, 1885; V. S., New York College of Veterinary Surgeons, 1886

JAMES STACY STEVENS, Dean of the College of Arts and Sciences, Professor of Physics, and Acting Head of the Department of English.

B. S., Rochester, 1885; M. S., 1888, and Syracuse, 1889; LL. D., Rochester, 1907

JOHN HOMER HUDDILSTON, Professor of Greek Civilization.

A. B., Baldwin, 1890 and Harvard, 1893; Ph. D., Munich, 1897

†JACOB BERNARD SEGALL, Professor of French.

B. S. and B. L., Yassy, 1884; Ph. D., Columbia, 1893

HAROLD SHELBURNE BOARDMAN, Dean of the College of Technology, and Head of the Department of Civil Engineering.

B. C. E., Maine, 1895; C. E., 1898

GEORGE DAVIS CHASE, Professor of Latin.

A. B., Harvard, 1889; A. M., 1895; Ph. D., 1897

*Arranged in groups in order of seniority of appointment

†In government service. On leave of absence without pay

FACULTY

*CAROLINE COLVIN, Professor of History.

A. B., Indiana, 1893; Ph. D., Pennsylvania, 1901

CHARLES PARTRIDGE WESTON, Professor of Mechanics and Drawing.

B. C. E., Maine, 1896; C. E., 1899; A. M., Columbia, 1902

RAYMOND PEARL, Collaborating Biologist in the Agricultural Experiment Station.

A. B., Dartmouth, 1899; Ph. D., Michigan, 1902

CHARLES BARTO BROWN, Professor of Civil Engineering.

Ph. B., Yale, 1894; C. E., 1896

WALLACE CRAIG, Professor of Philosophy.

B. S., Illinois, 1898; M. S., 1901; Ph. D., Chicago, 1908

GUY ANDREW THOMPSON, Professor of English Literature.

A. B., Illinois, 1898, and Harvard, 1900; A. M., 1901; Ph. D., Chicago, 1912

*WINDSOR PRATT DAGGETT, Professor Public Speaking.

Ph. B., Brown, 1902

MINTIN ASBURY CHRYSLER, Professor of Biology.

B. A., Toronto, 1894; Ph. D., Chicago, 1904

JOHN MANVERS BRISCOE, Professor of Forestry.

M. F., Yale, 1909

LEON STEPHEN MERRILL, Dean of the College of Agriculture and Director of Agricultural Extension Service.

M. D., Bowdoin, 1889

GEORGE EDWARD SIMMONS, Professor of Agronomy.

B. S., Ohio Northern, 1902; M. S., 1905; B. Sc., Ohio State, 1909

GEORGE WARE STEPHENS, Professor of Economics and Sociology.

Ph. B., Iowa Wesleyan, 1904; M. A., Wisconsin, 1907; Ph. D., 1911

WILLIAM EDWARD BARROWS, Jr., Professor of Electrical Engineering.

B. S., Maine, 1902; E. E., 1908

BLISS S BROWN, Professor of Horticulture.

B. S., Michigan Agricultural College, 1903; M. S., California, 1911

LAMERT SEYMOUR CORBETT, Professor of Animal Industry.

B. Sc., Massachusetts Agricultural College, 1909; M. S., Kentucky, 1913

*In government service. On leave of absence without pay

UNIVERSITY OF MAINE

FRANCES ROWLAND FREEMAN, Professor of Home Economics.
B. Sc., Ohio State, 1910; M. Sc., 1911

WILLIAM JORDAN SWEETSER, Professor of Mechanical Engineering.
S. B., Massachusetts Institute of Technology, 1901

CHARLES WILSON EASLEY, Professor of Chemistry.
A. B., Dickinson, 1897; A. M., 1890; Ph. D., Clark, 1908

†**WILLIAM AMBROSE JARRETT**, Professor of Pharmacy.
Pharm. D., Massachusetts College of Pharmacy, 1913

CLARENCE WEBSTER PEABODY, Professor of Law.
A. B., Bowdoin, 1893; LL. B., Harvard, 1896

•**WILLIAM JAMES YOUNG**, Director of Athletics and Professor of Physical Culture.
B. P. E., International Y. M. C. A. College, 1907; M. D., Pennsylvania, 1911

FRANKLIN RUNYAN LANG, Commanding Officer, Students' Army Training Corps, and Professor of Military Science and Tactics.
Colonel, United States Army; A. B., Oskaloosa, 1894; LL. B., Detroit, 1904; A. M., Columbia, 1915; Ph. D., 1916; LL. M., 1917; Sc. D., (in Jurisprudence), New York University, 1917

ROY MERLE PETERSON, Professor of Spanish and Italian.
A. B., Coe College, 1906; A. M., Harvard, 1910; Ph. D., Harvard, 1912

HENRI ANGER, Acting Professor of French.
Bachelier-ès-lettres, Sorbonne, 1891; Bachelier-ès-Sciences, 1892; Ph. D., Columbia, 1918

—————, Dean of the College of Law

—————, Professor of Education

LEON ELMER WOODMAN, Associate Professor of Physics.
A. B., Dartmouth, 1899; A. M., 1902; Ph. D., Columbia, 1910

JAMES ADRIAN GANNETT, Registrar.
B. S., Maine, 1908

•**HARLEY RICHARD WILLARD**, Associate Professor of Mathematics.
A. B., Dartmouth, 1899; A. M., 1902, and Yale, 1910; Ph. D., 1912

•In government service. On leave of absence without pay

†On leave of absence

FACULTY

- ARCHER LEWIS GROVER, Associate Professor of Drawing.
B. M. E., Maine, 1889; B. S., 1902
- *JAMES McCLUER MATTHEWS, Associate Professor of Economics and
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A. B., Park, 1903; A. M., Harvard, 1913
- EMBERT HIRAM SPRAGUE, Associate Professor of Civil Engineering.
B. S., Dartmouth, 1900
- *CARLETON WHIDDEN EATON, Associate Professor of Forestry.
A. B., Bowdoin, 1910; M. F., Yale, 1912
- *LOWELL JACOB REED, Associate Professor of Mathematics.
B. S., Maine, 1907; M. S., 1912; Ph. D., Pennsylvania, 1915
- IRVING HILL BLAKE, Associate Professor of Biology.
A. B., Bates College, 1911; A. M., Brown University, 1912
- BENJAMIN CALVIN KENT, Associate Professor of Mechanical Engineering.
B. S., Maine, 1912
- WALTER CLARKE PHILLIPS, Associate Professor of English.
Ph. B., Brown, 1903; M. A., 1904; Ph. D., Columbia, 1918
- ARTHUR ST. JOHN HILL, Associate Professor of Electrical Engineering.
E. E., Polytechnic Institute of Brooklyn, 1911
- FRED FOSS LAWRENCE, Associate Professor of Law.
A. B., Colby, 1900
-
- ALPHEUS CROSBY LYON, Assistant Professor of Civil Engineering.
B. S., Maine, 1902; S. B., Massachusetts Institute of Technology,
1904; C. E., Maine, 1913
- *HARRY WOODBURY SMITH, Assistant Professor of Bacteriology.
B. S., Maine, 1909
- *RALPH MAYNARD HOLMES, Assistant Professor of Physics.
B. A., Maine, 1911; M. A., Wesleyan, 1913
- FRANÇOIS JOSEPH KUENY, Assistant Professor of French.
B. ès. L., University of Paris, 1897; L. ès L., Bescançon, 1901
- *HERMAN PITTEE SWEETSER, Assistant Professor of Horticulture.
B. S., Maine, 1910

*In government service. On leave of absence without pay

UNIVERSITY OF MAINE

- ALBERT AMES WHITMORE**, Assistant Professor of History.
B. S., Maine, 1906
- DOROTHEA BEACH**, Assistant Professor of Home Economics.
B. S., Simmons, 1917
- HAROLD WALTER LEAVITT**, Assistant Professor of Civil Engineering.
B. S., Maine, 1915
- MYRON OWEN TRIPP**, Assistant Professor of Mathematics.
A. B., Indiana, 1901; Ph. D., Columbia, 1909
- ADELBERT WELLS SPRAGUE**, Director of Music.
B. S., Maine, 1905; A. M., Harvard, 1907
- BERTRAND FRENCH BRANN**, Assistant Professor of Chemistry.
B. S., Maine, 1909; M. S., 1911
- RICHARD THEODORE MULLER**, Assistant Professor of Horticulture.
B. S., Cornell, 1916
- LAURA ANDERSON**, Assistant Professor of Home Economics.
B. S., Montana, 1916
- LLEWELLYN MORSE DORSEY**, Assistant Professor of Animal Industry
B. S., Maine, 1916
- HERBERT STAPLES HILL**, Assistant Professor of Education.
A. B., Bowdoin, 1905
- RALPH MORRIS**, Assistant Professor of English.
A. B., Harvard, 1902
- ARTHUR GRIFFIN HILDRETH**, Assistant Professor of Physics.
B. A., Bowdoin, 1915
-
- EVERETT WILLARD DAVEE**, Instructor in Wood and Iron Work.
- ERNEST CONANT CHESWELL**, Instructor in Electrical Engineering.
- ROY FRANK THOMAS**, Instructor in Agriculture.
B. S., Maine, 1917
- CHARLES LINDSAY STEPHENSON**, Instructor in Engineering.
B. S., Maine, 1917
- ESTHER MCGINNIS**, Instructor in Home Economics.
B. Sc., Ohio State, 1915
- AVA HARRIET CHADBOURNE**, Instructor in Education.
B. A., Maine, 1915; M. A., 1918

FACULTY

- WALTER DAVIS EMERSON, Instructor in Mechanical Engineering.
B. S., Maine, 1916
- JAMES WESLEY BOYCE, Instructor in Mathematics.
B. S., Vermont, 1896
- ELISABETH WALDRON CUNNIFFE, Instructor in French.
B. A., Smith College, 1915
- HARRY FLETCHER LEWIS, Instructor in Chemistry.
B. S., Wesleyan, 1912; M. S., Wesleyan, 1913; Ph. D., Illinois, 1916
- MARION ELIZABETH MARSH, Instructor in Spanish.
A. B., Smith, 1916
- PRISCILLA BRAISLIN MONTGOMERY, Instructor in Biology.
B. A., Vassar College, 1897.
- ALBIN CHARLES RUSSELL, Instructor in Mathematics.
B. A., Wesleyan, 1877; M. A., 1880
- EDITH SUSAN WHITAKER, Instructor in Biology.
A. B., Radcliffe College, 1916; A. M., Radcliffe College, 1917
- MARY ALICE WYMAN, Instructor in English.
A. B., Wellesley, 1912; M. A., Columbia, 1918
- HOWARD BAGNALL MEEK, Instructor in Mathematics.
B. S., Boston, 1917
-
- ETHEL GERTRUDE WIGMORE, Assistant in the Library. (In charge)
A. B., Acadia, 1914
- MADLINE MOORE, Assistant in the Library.
- WILLIAM DRISCOLL, Assistant in Military Science and Tactics.
First Sergeant, U. S. Army
- HAZEL MAY DE RHODES, Assistant in the Library.
B. A., Western, 1911; B. S., Simmons, 1917
- ALLEN SHERMAN, Assistant in Law.
A. B., Dartmouth, 1915; LL. B., Maine, 1918
-
- LUCILIUS ALONZO EMERY, Lecturer on Roman and Probate Law.
A. B., Bowdoin, 1861; A. M., 1864; LL. D., 1898
- LOUIS CARVER SOUTHARD, Lecturer on Medico-Legal Relations.
B. S., Maine, 1875; M. S., 1892; LL. D., 1904

UNIVERSITY OF MAINE

EDWARD HARWARD BLAKE, Lecturer on Admiralty.

LL. B., Albany Law School, 1878; LL. D., Maine, 1910

ISAAC WATSON DYER, Lecturer on Federal Jurisdiction and Procedure,
and on Private Corporations.

A. B., Bowdoin, 1878

JOHN ROGERS MASON, Lecturer in Bankruptcy Law.

A. B., Harvard, 1869; A. M., LL. B., 1872

WILLIAM BRIDGHAM PEIRCE, Lecturer on Common Law Pleading and
Maine Practice.

B. M. E., Maine, 1890

HENRY BURT MONTAGUE, Lecturer on Practice and History of Law.

LL. B., Cornell, 1895; LL. M., Maine, 1910

JAMES LIBBY TRYON, Lecturer in International Law.

A. B., Harvard, 1894; B. D., Episcopal Theological School, Cam-
bridge, Mass., 1897; LL. B., Boston University, 1909; Ph. D., Bos-
ton University, 1910

Faculty of Investigation

(THE MAINE AGRICULTURAL EXPERIMENT STATION)

CHARLES DAYTON WOODS, Director.

B. S., Wesleyan, 1880; Sc. D., Maine, 1905

ALICE WOODS AVERILL, Laboratory Assistant.

JAMES MONROE BARTLETT, Chemist.

B. S., Maine, 1880; M. S., 1883

WALTER EDSON CURTIS, Scientific Aid.

DONALD FOLSOM, Assistant Plant Pathologist.

A. B., Nebraska, 1912; A. M., Minnesota, 1914; Ph. D., 1917

ESTELLE MARCHO GOGGIN, Clerk.

JOHN WHITMORE GOWEN, Assistant Biologist.

B. S., Maine, 1914; M. S., 1915; Ph. D., Columbia, 1917

ROYDON LINDSAY HAMMOND, Seed Analyst and Photographer.

*HERMAN HERBERT HANSON, Chemist.

B. S., Pennsylvania State College, 1902; M. S., Maine, 1906

*In government service. On leave of absence without pay

FACULTY

CHARLES CLYDE INMAN, Clerk.

VIOLA LOUISE MORRIS, Laboratory Assistant.

WARNER JACKSON MORSE, Plant Pathologist.

B. S., Vermont, 1898; M. S., 1903; Ph. D., Wisconsin, 1912

EDITH MARION PATCH, Entomologist.

B. S., Minnesota, 1901; M. S., Maine, 1910; Ph. D., Cornell, 1911

RAYMOND PEARL, Collaborating Biologist.

A. B., Dartmouth, 1899; Ph. D., Michigan, 1902

HELEN ARLINE RING, Laboratory Assistant.

WELLINGTON SINCLAIR, Superintendent Highmoor Farm.

JEREMIAH EDWARD SULLIVAN, Superintendent Aroostook Farm.

*FRANK MACY SURFACE, Biologist.

A. B., Ohio State, 1904; A. M., 1905; Ph. D., Pennsylvania, 1907

ELMER ROBERT TOBEY, Assistant Chemist.

B. S., Maine, 1911; M. S., 1917

CHARLES HARRY WHITE, Assistant Chemist.

Ph. C., Maine, 1897

JACOB ZINN, Assistant Biologist.

Agr. D., Hochschule für Bodenkultur, Vienna, 1914

*In government service. On leave of absence without pay

UNIVERSITY OF MAINE

Faculty of Extension Service

(COLLEGE OF AGRICULTURE)

LEON STEPHEN MERRILL, Director.

M. D., Bowdoin, 1889

BLYNNE ALLEN, District Emergency Demonstration Agent, Androscoggin, Kennebec and Somerset Counties.

ROY SAWTELLE BACON, District Emergency Demonstration Agent, Cumberland, Oxford and York Counties.

B. S., Maine, 1906

RUBY IRENE BARKER, Emergency Home Demonstration Agent, Knox, Somerset, and Waldo Counties.

CHARLES HOWARD BATCHELDER, Extension Entomologist.

A. B., New Hampshire, 1913; M. S., 1915

JOSEPH HENRY BODWELL, County Agricultural Agent, Piscataquis County.

B. S., Maine, 1915

RUTH FERN CANEY, Emergency Home Demonstration Agent, Cumberland County.

GRACE CARDEN, Emergency Home Demonstration Agent, Penobscot and Piscataquis Counties.

LEONARD SHERMAN CLEAVES, Extension Specialist in Sheep Husbandry.

D. V. S., McGill, 1895

JOHN STUART CARVER, Poultry Specialist.

B. S., Massachusetts Agricultural College, 1913

CHARLES EDWARD CROSSLAND, Acting State Leader Boys' and Girls' Clubs.

B. S., Maine, 1917

CLARENCE ALBERT DAY, County Agricultural Agent, Washington County.

ARTHUR LOWELL DEERING, County Agricultural Agent, Kennebec County.

B. S., Maine, 1912

RICHARD BOULSBY DODGE, County Agricultural Agent, Penobscot County.

B. S., Maine, 1917

FACULTY

- NORMAN SYLVESTER DONAHUE, County Agricultural Agent, Waldo County.
B. S., Maine, 1915
- ALFREDA ELLIS, Assistant in Charge Girls' Clubs.
B. S., Maine, 1917
- SIDNEY GURNEY EVANS, Emergency County Agricultural Agent, Lincoln County.
- RAYMOND HENRY FOGLER, Executive Secretary to the Director of Extension Service.
B. S., Maine, 1915; M. S., Princeton, 1917
- ALBERT KINSMAN GARDNER, County Agricultural Agent, Franklin County.
B. S., Maine, 1910
- ROGER LOCKE GOWELL, County Agricultural Agent, Knox County.
B. S., Maine, 1916
- WILLIAM MELVIN GRAY, County Agricultural Agent, York County.
B. S., Maine, 1912
- ROSALIND MAY JEWETT, Extension Instructor in Home Economics.
B. S., Colby, 1910
- MAURICE DANIEL JONES, Farm Management Demonstrator.
B. S., Maine, 1912
- ALPHONSE VAN DEN KERCKHOVEN, Emergency County Club Leader, Oxford County.
- HAZEL OAKES LITTLEFIELD, Emergency Home Demonstration Agent, York County.
B. S., Simmons, 1916
- RALPH PIKE MITCHELL, State Leader Boys' and Girls' Agricultural Work.
- PAUL WHEELER MONOHON, Assistant County Agent Leader.
B. S., Maine, 1914
- EDWARD WATTS MORTON, Extension Instructor in Dairying.
B. S., Maine, 1909
- GRACE MAY NEAGLE, Urban Emergency Home Demonstration Agent, Portland.
- EUNICE HALE NILES, Emergency Home Demonstration Agent, Aroostook County.

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- HERBERTA PENLEY, Emergency Home Demonstration Agent, Hancock and Washington Counties.
- JOHN HARVEY PHILBRICK, Assistant Emergency Demonstration Agent, Aroostook County.
B. S., Maine, 1915
- CATHARINE NORTON PLATTS, State Leader Home Demonstration Work.
B. S., Simmons, 1915
- CHARLES BEARDSLEY PORTER, Emergency County Club Leader, Aroostook County.
- GLEN BLAINE RAMSEY, Extension Pathologist.
A. B., Indiana, 1913; A. M., 1914
- JOHN LESLIE SCRIBNER, County Agricultural Agent, Aroostook County.
B. S., Maine, 1917
- HAROLD JOSEPH SHAW, County Agricultural Agent, Androscoggin and Sagadahoc Counties.
- HARRY WOODBURY SMITH, Assistant County Agent Leader.
B. S., Maine, 1909
- RALPH LORD SMITH, County Agricultural Agent, Cumberland County.
- ROBERT MARK STILES, County Agricultural Agent, Somerset County.
- LURA VELIE THOMPSON, Emergency County Club Leader, Washington County.
- GEORGE NEWTON WORDEN, County Agricultural Agent, Hancock County.
B. S., Maine, 1913
- GEORGE ALBERT YEATON, County Agricultural Agent, Oxford County.
- NANCY ABBOTT YOUNG, Emergency County Club Leader, Hancock County.

FACULTY

COMMITTEES OF THE FACULTY

ADMINISTRATION—The President and Deans

ATHLETICS—Grover, Barrows, Gannett, Lyon, E. H. Sprague, Stephenson

AUDITING—The President, C. B. Brown, Peabody, Stephenson

CHAPEL—Woodman, Kent, A. W. Sprague

CHRISTIAN ASSOCIATION—C. B. Brown, Morris, H. S. Hill

EMPLOYMENT—Gannett, Simmons, Beach.

GRADUATE STUDY—Chase, Anger, Corbett, Craig, Easley, L. H. Merrill, Morse, Peabody, Peterson, Stephens, Woodman

HEALTH—Stephens Blake, Freeman, Russell

HONORS—Chrysler, Briscoe, Lyon, Beach, Peabody

LIBRARY—The President, Barrows, L. H. Merrill, Phillips, Stephens

MILITARY—The Commander, Boardman, Weston

RULES—Simmons, A. S. Hill, Kueny, Tripp

SCHEDULE—Weston, Gannett, the Deans

SOCIAL AFFAIRS—Huddilston, Corbett, Freeman, Montgomery

STUDENT ACTIVITIES (NON-ATHLETIC)—C. B. Brown, Chairman

Dramatics—C. B. Brown, Weston

Music—A. W. Sprague

Public Speaking—G. A. Thompson

Student Publications—The President, G. A. Thompson, Peabody

Miscellaneous—C. B. Brown, Craig, Peterson

UNIVERSITY PUBLICATIONS—Stevens, L. H. Merrill, Sweetser, Woods

UNIVERSITY OF MAINE

General Information

HISTORY

The University of Maine is a part of the public educational system of the State. It was established as a result of the Morrill Act approved by President Lincoln, July 2, 1862. The State of Maine accepted the conditions of this act in 1863. In 1865 the State created a corporation to administer the affairs of the college. The original name of the institution was the State College of Agriculture and the Mechanic Arts. The name was changed to the University of Maine in 1897.

The first Board of Trustees was composed of 16 members, each county delegation in the Legislature selecting one member. Various changes have occurred in the appointment of Board members. At the present time seven members of the Board are appointed by the Governor of the State, with the advice and consent of the Council, for a term of seven years. One member is appointed for three years by the Governor upon the nomination of the Alumni Association.

The institution opened September 21, 1868, with a class of 12 members and a faculty of two teachers. By 1871 four curricula had been arranged,—Agriculture, Civil Engineering, Mechanical Engineering, and Elective. By gradual growth these curricula developed into the College of Agriculture, the College of Technology, and the College of Arts and Sciences.

The Maine Agricultural Experiment Station was established as a division of the university by act of the Legislature of 1887, as a result of the passage by Congress of the Hatch Act. It succeeded the Maine Fertilizer Control and Agricultural Experiment Station which had been established in 1885.

The College of Law was opened in 1898. It is an integral part of the institution and until the present year occupied quarters at the corner of Union and Second streets in Bangor. It is located temporarily on the campus at Orono.

BUILDINGS

Graduate instruction has been given by various departments for many years. The first Master's degree was conferred in 1881. There is no provision for graduate work in advance of that required for the Master's degrees.

Beginning with 1902, a Summer Term has been held annually, first of five weeks, but now of six. It is designed for teachers in secondary schools and for college students who desire to take advantage of its opportunities, and it also gives some courses for those who seek an opportunity to make up entrance credits. The departments usually offering courses are Chemistry, Economics and Sociology, Education, English, French, German, History, Latin, Mathematics and Astronomy, Physics, and Spanish and Italian. The Summer Term was not in session in 1918.

The university is coeducational, women having been admitted since 1872, in compliance with special legal enactment.

LOCATION

The university, with the exception of three farms, is located in Orono, an attractive town, of 3,500 population, with good schools and three churches. The campus of 370 acres borders the Stillwater River, a branch of the Penobscot, and is of great beauty.

Orono is on the main line of the Maine Central Railroad, eight miles east of Bangor, half way between Kittery, the most southerly town in the State on the Maine Central Railroad, and Fort Kent, the most northerly town in the State on the Bangor and Aroostook Railroad. It is not far from the center of population of the State. In addition to steam railroad connection, there is half-hour trolley service to Bangor, nine miles, and Old Town, three miles from the campus. Bangor is the third city of the State in population and an important business center. The location of the university gives students who care to do so an opportunity to take advantage of its social and religious life. Old Town is a prosperous manufacturing city with about 7,000 inhabitants.

BUILDINGS AND THEIR EQUIPMENT

BALENTINE HALL.—The Legislature of 1913 made an appropriation for the erection of one wing of a women's dormitory. This was completed September 1, 1914. The Legislature of 1915 made an appropria-

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tion for completing the building. The name was given in honor of Elizabeth Abbott Balentine, Secretary and Registrar of the university from 1895 to 1913. It contains accommodations for 110 women. The entire building was ready for occupancy September 1, 1916.

HANNIBAL HAMLIN HALL.—This is a men's dormitory completed in 1911. It contains four stories and a concrete basement. It was named for the Honorable Hannibal Hamlin, of Hampden and Bangor, the first president of the Board of Trustees. It will accommodate 156 students.

MOUNT VERNON HOUSE.—This is a wooden building, remodeled in 1898, and is a dormitory for women. It is a three story building and will accommodate 36 students.

OAK HALL.—This building was named for the Honorable Lyndon Oak, of Garland, a long-time member and president of the Board of Trustees. It is a four story building erected in 1871 and has 48 rooms for students.

UNIVERSITY INN.—This is a wooden building, located in the village of Orono, which the university has leased for a term of years. It is occupied chiefly by instructors and has accommodations for fifty persons.

ALUMNI HALL.—This building was erected in 1900 and was given its name because part of the funds required for its erection were subscribed by the alumni of the university. It contains the gymnasium, chapel, and administrative offices.

AUBERT HALL.—This is a four story building including a high basement. It was named in honor of the late Alfred Bellamy Aubert, Professor of Chemistry from 1874 to 1910. It is used by the Departments of Chemistry, Physics, and Pharmacy.

COBURN HALL.—This building contains the Department of Biology and the museum and has recitation rooms for the Departments of History and Economics and Sociology. It was named for ex-Governor Abner Coburn, of Skowhegan, a former president of the Board of Trustees, and the chief individual benefactor of the university.

ESTABROOKE HALL.—This building is used for the Departments of English and Public Speaking, and was named for the late Horace M. Estabrooke, Professor of English from 1891 to 1908. It contains four recitation rooms, rooms for consultation purposes, and offices for the members of the departments. This building is now used as a hospital.

BUILDINGS

FERNALD HALL.—This is the oldest building on the campus and was erected for the Department of Chemistry. It now contains the Departments of French, Spanish and Italian, Education, Mathematics, and the University Store. It was named in honor of ex-President Merritt C. Fernald.

HOLMES HALL.—This building contains the offices and laboratories of the Maine Agricultural Experiment Station. It is a two story building in addition to a basement. It was named for Dr. Ezekiel Holmes, of Winthrop.

LIBRARY BUILDING.—The Library Building is of stone, two stories above a basement and surmounted by a dome. For its erection and furnishing, Mr. Andrew Carnegie gave \$55,000, and the Hallowell Granite Works furnished the granite at a price that was equivalent to a gift of several thousand dollars. The stacks, which are in the rear of the main building, contain shelf room for 60,000 volumes.

LORD HALL.—This building was erected for the Departments of Electrical Engineering and Mechanical Engineering. It is two stories in height and contains recitation rooms, laboratories, shops, drawing rooms, and offices for the members of these departments. It was named for the Honorable Henry Lord, of Bangor, a former president of the Board of Trustees.

STEWART HALL.—This building is situated in Bangor and contains offices and recitation rooms of the College of Law. It is three stories in height and was named for Honorable D. D. Stewart, of St. Albans, Maine, who has been a generous benefactor of this college.

WINGATE HALL.—This building contains three stories and a basement. It is used by the Departments of Civil Engineering and Mechanics and Drawing, and includes recitation rooms and offices for the Departments of Latin and Philosophy.

WINSLOW HALL.—This is a four story building including the basement. It contains offices, laboratories, and recitation rooms for the various departments of the College of Agriculture. It was named in honor of Honorable Edward B. Winslow, of Portland, a former president of the Board of Trustees. In the rear of this building is located the stock judging pavilion, which is an octagonal structure, having a seating capacity of 600.

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DAIRY BUILDING.—This building contains various rooms appropriate for the Department of Dairy Husbandry. It is supplied with necessary appliances for teaching methods of handling milk, cream, butter, and cheese.

FARM BUILDINGS.—These comprise two large dairy barns, a horse barn, a hay storage barn, two tool houses, and a piggery. The farm of the university is composed of parcels of land aggregating 473 acres, of which 120 acres are under cultivation.

HORTICULTURAL BUILDING.—This includes a set of greenhouses east of Holmes Hall and furnishes opportunity for demonstration of the practical culture of flowers and vegetables under glass.

INFIRMARY.—This building is used in caring for cases of infectious diseases that may appear among the students. It is located in the rear of Hannibal Hamlin Hall.

OBSERVATORY.—The astronomical observatory stands on a slight elevation east of Alumni Hall. It contains equipment for work in descriptive and practical astronomy.

POULTRY PLANT.—The part of the plant that belongs to the College of Agriculture consists of a two and one half story building to which are attached brooder houses. The plant which belongs to the Agricultural Experiment Station contains an incubator house with tenement above, two poultry houses, a two story house, a building containing a hospital for hens, and rooms for digestion experiments.

ATHLETIC FIELD.—Alumni Field, so called because funds required for its construction were contributed by the Alumni Association, is located at the northern end of the campus. It contains a quarter-mile cinder track, with a 220-yard straightaway, and is graded and laid out for football, baseball, and track and field athletics. It contains a grandstand with a seating capacity of 2,100. There is also an out-door board running track 390 feet long by 12 feet wide.

CENTRAL HEATING PLANT.—The Central Heating Plant is located on low ground so that the buildings drain by gravity to the plant. It contains five 150 h. p. boilers, two Worthington duplex return pumps, and scales for weighing coal.

FRATERNITY HOUSES.—The local chapters of Beta Theta Pi, Delta Tau Delta, Kappa Sigma, Phi Gamma Delta, Phi Kappa Sigma, Sigma

LIBRARIES

Alpha Epsilon, Theta Chi, Sigma Nu, and Phi Epsilon Pi, and the Phi Eta Kappa Society have houses on the campus; the local chapter of Lambda Chi Alpha owns a house adjoining the campus on College Street, and the local chapters of Alpha Tau Omega and Sigma Chi own houses on North Main Street. These houses accommodate from 25 to 35 students each.

POWER HOUSE.—This building is located north of Alumni Hall and contains boilers, engines, and dynamos with operating switchboard.

PRINT SHOP.—The University Press is located in a wooden building north of Aubert Hall. It contains a modern outfit for the printing required by the university.

OTHER BUILDINGS.—In addition to the buildings already described, there are several others devoted to various purposes. Among these are the President's house and five residences occupied by members of the faculty.

THE LIBRARIES

The university libraries contain (June 30, 1918) about 63,000 volumes, of which about 53,000 are in the general library, 4,700 in the Agricultural Experiment Station library, and 5,500 in the law library. In addition President Aley has given his valuable mathematical library, consisting of over seven hundred volumes, to the university library; and there are deposited in the general library, where they are available for circulation, over five hundred volumes, relating chiefly to English literature and philology, from the library of the late Professor H. M. Estabrooke, and over a hundred volumes belonging to the Christian Association and the Menorah Society. The growth for the last ten years has averaged over three thousand volumes annually.

The general library is a good working collection. It has been acquired largely by purchase, the books bought having been selected by heads of departments to meet the needs of students and faculty. It includes a large and useful collection of public documents of the United States and of the State of Maine and is a designated depository for government publications. The most valuable gift received from an individual is the horticultural library of the late Professor W. M. Munson, bequeathed by him to the university. The general library is open daily during the academic year from 8.00 a. m. to 5.30 p. m. and from 7.00

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to 9.30 p. m., Saturday evenings, Sundays, and holidays excepted. It is open Sundays from 2.30 to 5.30 p. m., and holidays from 8.00 a. m. to 12.00 m.

About 250 general, literary, scientific, and technical periodicals, American and foreign, are subscribed for by the general library and over 150 others are received as gifts. The current numbers of most of these are on file in the periodical room on the first floor of the library building, but the daily and weekly newspapers are in a newspaper room in the basement, and the technical engineering journals are in the office of the Dean of the College of Technology where they are available for general use.

The Agricultural Experiment Station Library, with the exception of volumes needed for almost constant reference by members of the Station staff, is shelved with the general library and is available for consultation but not for general circulation. It contains many valuable sets of scientific journals. About 75 periodicals are subscribed for, and a considerable number of others are received in exchange for Station publications, current volumes being on file in Holmes Hall.

The law library has been moved from Stewart Hall, in Bangor, to the university library and is for reference only. It includes complete sets of the reports of the United States and of all the New England and some other states, the English Reports and English Ruling Cases, and all the important reports and encyclopedias, together with an excellent collection of text books. The important law journals are received currently. The law library is open thruout the academic year during the same hours as the general library.

The libraries are classified by the Dewey decimal system, modified for certain classes. A card catalog in the general library shows books by author, subject, and title, and includes all volumes in the general, Agricultural Experiment Station, and law libraries, and also those in the Aley, Estabrooke, Christian Association, and Menorah Society collection, but does not include cards for the publications of the United States Department of Agriculture and the agricultural experiment stations of the various states, as these are filed in a special catalog in the agriculture seminar room.

About nine hundred volumes, withdrawn from the general library, are kept in Aubert Hall as a reference library for the Department of Physics, subject to recall at any time if needed for other use. Other departments borrow books required for current needs, subject to recall if needed elsewhere.

MUSEUM

Students may borrow three volumes at a time from the general library, to be retained three weeks; if more are desired or if need exists to retain them for a longer period, application should be made to the Librarian. A fine of two cents a day is collected for overdue books. Reference books do not circulate and special regulations are made for books reserved at the request of instructors. Unbound periodicals may be borrowed over night upon application to the desk assistant. Members of the faculty may borrow any reasonable number of volumes without time limit, but all books must be returned nine days before Commencement. Books will be loaned to other libraries, to schools, and to residents of the State when it can be done without interference with local needs, the borrower paying transportation charges in both directions.

MUSEUM OF NATURAL HISTORY

MINTIN ASBURY CHRYSLER

Curator of the Botanical and Zoological Collections

LUCIUS HERBERT MERRILL

Curator of the Geological Collections

The museum occupies the wing of Coburn Hall and adjoining rooms in the main part of the building.

ZOOLOGICAL COLLECTIONS.—These collections occupy the lower floor of the wing of Coburn Hall. Some of the alcoholic and formalin material is placed in wall cases in the biological laboratories. The collections consist of a number of the larger mammals of the State; a small set of exotic mammals; a more complete working collection of native birds, birds' nests, and eggs; an illustrative collection of the other groups of vertebrates; a rather large collection of the shells of native and exotic molluscs; and illustrative collections of the other groups, dry, alcoholic, and prepared as microscopic objects.

BOTANICAL COLLECTIONS.—These collections are situated in rooms on the second and third floors. The herbarium includes several collections of considerable value, the most important of which is the one made by the late Rev. Joseph Blake and presented to the university by Mr. Jonathan G. Clark, of Bangor. It contains more than 7,000 species of

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both flowering and flowerless plants, and represents more especially the flora of Maine and other New England States, but includes many forms from the Western United States, Mexico, and the West Indies, and a number from many of the European and Asiatic countries, and from Africa and Australia. The late Professor F. L. Harvey left to the herbarium the general collections accumulated during his connection with the university, and his special collection of the weeds and forage plants of Maine, comprising 300 species. Other important collections are Collins's Algae of the Maine Coast, Halsted's Lichens of New England, Halsted's Weeds, Ellis and Everhart's North American Fungi, Cook's Illustrative Fungi, Underwood's Hepaticae, Cummings and Seymour's North American Lichens, and a collection of economic seeds prepared by the United States Department of Agriculture.

Collections other than the herbarium include exhibits illustrating the manufacture of paper and cocoa, the wood and bark features of the timber trees of Maine, conifers mounted in jars, plants used in pharmacy, commercial fibres, and artificial silk. A valuable collection of fossil plants was presented by Professor Harvey.

GEOLOGICAL COLLECTIONS.—These collections, occupying the upper floor of Coburn Hall, are accessible daily during the college year, except on Saturdays and Sundays. They include the more important fragmental, crystalline, and volcanic rocks; a collection of building stones; a series designed to illustrate the rocks of the State; a general collection of more common minerals; a collection of economic minerals furnished by the United States National Museum; an educational series of rocks furnished by the United States Geological Survey; and a small collection of plant and animal fossils.

The part of the museum illustrating the mineral resources of the State may be made of great value, both from the scientific and economic standpoint. Students and others residing in the State are urged to contribute specimens from their home localities.

ART COLLECTION

This collection consist of photographs, prints, engravings, polychrome reproductions, and plaster casts. Many of the large reproductions are framed and the entire collection has found a fitting home in the Library Building, the gallery of which is well adapted to the exhibition of many of the plaster-cast reliefs and the larger framed works.

ORGANIZATIONS

The collection is distributed on the first and second floors, in the lecture room, and a seminar room. In the latter is a specially constructed cabinet for mounted photographs.

The entire collection numbers upwards of 4,000 reproductions of various sorts covering the fields of Classical and Renaissance architecture, sculpture, and painting. The illustrations for the Greek, Florentine, and Venetian schools are particularly representative. For much of the most important work the photographs are supplemented by lantern slides.

The university possesses many of the famous polychrome prints published by the Arundel Society. These and many other colored reproductions covering nearly all the great masters of Italian painting have been framed; and in the case of the *Madonna della sedia* and the *Sistine Madonna* the reproductions were imported in the frames, which are stucco copies of the originals in Dresden and Florence.

The lecture room in the Library Building contains examples of the work of the chief Florentine and Umbrian masters of the 14th and 15th centuries, arranged on the walls in historical sequence. The gallery of the second floor is devoted to masters of the High Renaissance.

For the study of Greek and Roman antiquity the Departments of Greek and Latin have a large collection of photographs and lantern slides.

ORGANIZATIONS

AGRICULTURAL CLUB.—This organization is composed of students taking agricultural courses. Meetings are held thruout the college year, at which important agricultural topics are discussed by members of the club, and also by prominent speakers from this and other states.

AMERICAN CHEMICAL SOCIETY.—The Maine Section of the American Chemical Society has its headquarters at Orono. Some students in the Department of Chemistry are members, and all are welcome to its meetings.

AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS.—This is an organization for the promotion of the student's interest in electrical engineering work, and to keep him in touch with the latest developments in this branch of engineering activity. Membership in the branch is extended to members of the Electrical Engineering faculty, students pursuing the Electrical Engineering curriculum, and to members and associate members of the Institute.

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AMERICAN SOCIETY OF MECHANICAL ENGINEERS.—A regularly organized branch of this society holds regular meetings for the presentation and discussion of engineering papers by members and by visiting engineers.

UNIVERSITY OF MAINE SOCIETY OF CIVIL ENGINEERS.—This society is composed of the students who are enrolled in the Curriculum in Civil Engineering. The object of the society is to investigate by reading and discussion the various engineering topics of the day. Monthly lectures are given under the direction of the society by members of the faculties of this and other institutions and by practicing engineers. The affairs of the society are controlled by the students under the advice of the department.

CERCLE FRANÇAIS.—The object of the Cercle Français is to cultivate the spoken French language and arouse and stimulate an interest in the intellectual life of France. The work is carried on in French. Papers are read and discussed and addresses delivered by the members. Plays are studied with a view toward production in French. The Cercle meets once in two weeks.

FORESTRY CLUB.—All students majoring in the curriculum in Forestry are eligible for membership in the Forestry Club. The purpose of the club is to give an opportunity for presenting informal discussions and technical papers on forestry subjects, and to promote cooperation and general good fellowship among the forestry students. The meetings are held monthly.

MAINE MASQUE.—This is a dramatic club which aims to make a practical study of the acted drama, and to present each year before the public one or more representative plays. Membership is determined by competitive trials to which all men undergraduates are eligible.

MENORAH ASSOCIATION.—An intercollegiate organization for the study and advancement of Jewish culture and ideals.

SPEAKERS' CLUB.—A local honorary society, open to all students who acquire a sufficiently high standing in public debate and oratory. The object of the club is to promote interest in public speaking at the university. It is in active cooperation with the Department of Public Speaking, and superintends some of the minor activities in oratory and debate.

ORGANIZATIONS

CHRISTIAN ASSOCIATION.—The Christian Association, composed of men students, has for its object the promotion of Christian fellowship and aggressive Christian work. Religious services are held in the chapel every Sunday and classes for the study of the Bible are conducted during the week.

YOUNG WOMEN'S CHRISTIAN ASSOCIATION.—This is an organization for religious work composed of women students.

ALPHA CHI SIGMA.—Alpha Chi Sigma is a professional fraternity with chapters in various American colleges and universities. The members are elected from those whose major work is in the Department of Chemistry.

ALPHA ZETA.—The Maine chapter of Alpha Zeta, the national agricultural fraternity, was organized at the university in 1905. Chapters exist in twenty four other universities. Membership is honorary and is restricted to students attaining high class standing or to graduates who have shown marked ability along the lines of agricultural study and research.

PHI KAPPA PHI.—The Phi Kappa Phi is an honor society. Early in the fall semester of the senior year the seven members of the class having the highest standing are elected members, and during the spring semester the ten next highest may be elected, two of whom are from the College of Law.

SCABBARD AND BLADE.—Scabbard and Blade is an honorary military fraternity. Active membership is restricted to cadet officers of high moral and scholastic standing. Honorary members may be elected from commissioned officers of the United States Army; also non-military persons deemed worthy of the honor. The University of Maine company (Co. D., 2nd Reg't.) was organized in 1916. Companies exist in seventeen other colleges and universities.

SIGMA DELTA CHI.—This is an honor fraternity open to sophomores, juniors, and seniors who have shown unusual ability in the various courses in journalism, and who propose to enter upon journalism as a profession.

TAU BETA PI.—Tau Beta Pi is an honor fraternity for engineers and has chapters in leading universities and technical schools. Elections

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are made from those juniors and seniors in engineering who have shown high mental and moral qualifications.

UNIVERSITY BAND.—This is a military and concert organization attached to the Cadet Corps. It is composed of students in the Military department, and rehearsals are conducted by the director of music as regular class work, for which the men receive credit. The band plays for various university functions and games and makes concert trips to nearby cities and towns.

UNIVERSITY CHORUS AND ORCHESTRA.—These bodies are organized from students, faculty, and outside assisting talent, and are conducted by the director of music. A varied repertoire of classic and lighter numbers are studied and performed at concerts and other occasions. Chorus members are admitted to the Maine Festival Chorus, and orchestra members of talent and proper training are given consideration whenever vacancies occur in the Bangor Symphony Orchestra, a semi-professional organization.

MUSICAL CLUBS.—Glee and mandolin clubs are maintained by both men and women students and concert trips are taken at intervals during the college year.

UNIVERSITY PUBLICATIONS

ANNUAL REPORT.—The report includes an account of the general affairs and interests of the university for the year.

UNIVERSITY OF MAINE STUDIES.—These are occasional publications containing reports of investigations or researches made by university officers or alumni.

MAINE BULLETIN.—This is a publication issued monthly during the academic year, to give information to the alumni and the general public.

ANNUAL REPORT OF THE AGRICULTURAL EXPERIMENT STATION AND THE AGRICULTURAL EXPERIMENT STATION BULLETINS.—These give complete results of the work of investigation of the station. The Bulletins and Official Inspections are sent free on request to any resident of Maine.

UNIVERSITY PUBLICATIONS

OFFICIAL INSPECTIONS.—These are published by the Agricultural Experiment Station, and contain the result of the work of inspection of agricultural seeds, commercial feeding stuffs, commercial fertilizers, drugs, foods, fungicides, and insecticides.

MAINE CAMPUS.—This is a paper published weekly during the academic year by an association of the students.

PRISM.—The Prism is an illustrated annual, published by the junior class.

PRACTICAL HUSBANDRY.—This is a monthly magazine published under the direction of the Agricultural Club. It is devoted to practical and technical agriculture.

MAINE LAW REVIEW.—This is a magazine published under the direction of the students of the College of Law. It is devoted to a discussion of law cases and other current legal problems.

TECHNOLOGY EXPERIMENT STATION BULLETINS.—These are published monthly, and contain the results of the researches made in the engineering laboratories.

PUBLIC WORSHIP

A short assembly is held in the chapel every day except Saturday and Sunday. All undergraduate students are required to be present. Students receive a cordial welcome at all services in the churches of Orono. Voluntary religious services are held each week under the direction of the Christian Association and the Young Women's Christian Association.

STUDENT REGULATIONS

It is assumed that all students entering the university are willing to subscribe to the following: *A student is expected to show, both within and without the university, respect for order, morality, and the rights of others, and such sense of personal honor as is demanded of good citizens and gentlemen.*

Special information in regard to rules and regulations may be obtained from the Registrar.

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The quota of regular studies for each student varies from a minimum of fourteen hours to a maximum of eighteen hours in the College of Arts and Sciences, and from a minimum of seventeen hours to a maximum of twenty-two hours in the College of Agriculture and the College of Technology. The registration in the College of Law is a prescribed curriculum. In the application of this rule, two or three hours of laboratory work count as one hour.

Each student is expected to be present at every college exercise for which he is registered, including each chapel exercise.

SCHOLARSHIP HONORS

Scholarship honors are awarded to students who attain an average grade of B, or above, thruout their course. The names of students winning these honors are printed in the catalog.

DEGREES

BACHELORS' DEGREES

The degree of Bachelor of Arts (B. A.), with specification of the major subject, is conferred upon all students who complete a curriculum in the College of Arts and Sciences.

The degree of Bachelor of Science (B. S.) in the curriculum pursued is conferred upon students who complete the prescribed work of four years in the Colleges of Agriculture or Technology.

The degree of Bachelor of Pedagogy (B. Pd.) is conferred upon students in the College of Arts and Sciences who have completed a course in an approved high school, a course in a normal school, and two years under prescribed conditions at the university.

The degree of Bachelor of Laws (LL. B.) is conferred upon students who complete the prescribed work in the College of Law.

The degree of Graduate in Pharmacy (Ph. G.) is conferred upon students who complete the two-year Pharmacy Curriculum.

The entrance requirements for this curriculum are being raised gradually from two years of high school work and will be a complete high school course, by 1919. As soon as proper courses can be provided, a three-year Curriculum in Pharmacy will be established, leading to the degree of Pharmaceutical Chemist (Ph. C.) requiring for entrance the completion of a four years high school course.

DEGREES

A minimum residence of one year is required for the attainment of any bachelor's degree.

ADVANCED DEGREES

Graduate students, whether candidates for a degree or not, are required to register at the office of the university at the beginning of each semester or summer term. They must have their course of study approved by the Committee on Graduate Study at the beginning of their work. Those entering the university after that date must obtain the consent of the Committee on Graduate Study before they can count a full year's work.

Each candidate for the master's degree shall report before registering at the beginning of each semester or the summer term to the chairman of the committee or to some member representing a field of work nearly related to his own. Candidates for the degree of Master of Arts, Master of Science, or Master of Laws must have received the corresponding bachelor's degree from this institution or from one granting a fully equivalent degree.

Candidates who are graduates of other institutions are required to present at registration credentials covering the courses pursued and the standing attained.

At least one year must elapse between the conferring of the bachelor's and the master's degree.

No work done before the recommending of the bachelor's degree shall be counted towards the master's degree.

The candidate shall devote at least one year to graduate resident study and shall complete work amounting to fifteen hours per week thruout the college year.

A registration fee of \$5 is charged, and an additional fee of \$15 for examinations and diploma is payable upon the completion of the work. One registration fee only is required of graduate students.

The curriculum shall include work in one major department or subject in which the candidate has already pursued undergraduate study for at least two years, and work in not more than two minor subjects which bears a distinct relation to the general plan or purpose of the major subject.

At least three-fifths of the work must be done in the major subject. In special cases all the work may be done in one department.

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All of the work must be of advanced character and must be tested by examinations which the candidate shall pass with distinction. Final written examinations for all regular courses completed, together with a copy of the questions set, shall be deposited with the secretary of the committee.

The candidate shall prepare as a part of his curriculum a satisfactory thesis on some topic connected with the major subject. The thesis must be deposited in completed form with the Dean of the University on or before the date set for the oral examination.

At the end of the course of study for the master's degree, the candidate will be required to pass an oral examination covering his work, including the thesis work. This examination shall be open to all voting members of the faculty of the university. The time for such examinations will be arranged by the Dean of the University to accord, so far as possible, with the convenience of the candidate and the major instructor, between the dates of May 15 and June 1; but no student will be admitted to an oral examination until his thesis has been accepted. On May 15, the Dean of the University will notify the heads of all departments of the university of the dates set for the public oral examinations of all candidates of the year. While the examination will in each case, as a matter of course, be conducted chiefly by the members of the department in which the work has been done, any member of the faculty present at the examination has the privilege of questioning the candidate. The Committee on Graduate Study will be represented at each examination.

The professional degrees of Chemical Engineer (Ch. E.), Civil Engineer (C. E.), Electrical Engineer (E. E.), and Mechanical Engineer (M. E.) may be conferred upon graduates in the curricula in Chemistry, Chemical Engineering, Electrical Engineering, and Mechanical Engineering respectively, upon the presentation of satisfactory theses, after at least three years of professional work subsequent to graduation. During at least two of the years after graduation the candidate must have occupied a position of responsibility. Candidates are expected to be present in person to receive their degrees.

THESES

Theses shall be printed, or typewritten in black record, unless the subject matter prevents, and the paper used shall be a standard thesis

EXPENSES

paper, 8 x 10 1-2 inches, which may be procured at the University Store. Care should be taken to have a margin of one inch on the inner edge, at least one-half inch on the outer edge, one and one-half inches at the top, and one inch at the bottom of the page.

If drawings accompany the thesis, they may be bound in with the rest of the pages or placed in a pocket on the inside of the book cover; or if too many for this, they may be bound separately according to personal instructions of the head of the department.

An outline of all undergraduate theses must be passed to the major instructor before May 1.

Complete instructions may be found in a pamphlet entitled "Degrees and Theses."

STUDENT EXPENSES

The estimates are prepared upon the basis of students living in university halls.

ESTIMATE OF ANNUAL EXPENSES

	Students from within the State	Students from without the State
Registration	\$10 00	\$10 00
Incidental	30 00	30 00
Tuition	30 00	100 00
Laboratory fees.....	10 00 to 25 00	10 00 to \$25 00
Text-books	10 00 to 30 00	10 00 to 30 00
Board 36 weeks @ \$5.00	180 00	180 00
Room in a dormitory	36 00	36 00
	\$306 00 to \$341 00	\$376 00 to \$411 00

EXCEPTIONS

By legislative enactment, students in agricultural and home economics curricula are exempted from the payment of tuition charges. This applies only to students from within the State. For such students the

UNIVERSITY OF MAINE

above estimates should be reduced by an amount equal to the tuition charge.

DETAILS OF LABORATORY FEES

The laboratory charges indicated above are made to cover cost of material used by the students. These charges vary with the subject and length of the course. They are as follows: Agronomy, per course, \$1.00 to \$1.50; Animal Industry, per course, \$1.00 to \$4.00; Bacteriology, per course, \$3.00; Biological Chemistry, per course, \$3.00 to \$4.00; Biology, per course, \$2.00 to \$3.00; Chemistry, per course, \$2.00 to \$5.00; Civil Engineering, per course, \$2.00 to \$5.00; Electrical Engineering, per course, \$5.00; Home Economics, from \$1.00 to \$12.00 per semester; Horticulture, per course, \$1.00 to \$2.00; Mechanical Engineering, per course, \$5.00; Mineralogy, per course, \$2.00; Pharmacy, about \$5.00 per semester; Physics, per course, \$2.50 to \$3.50; Shop Work, per course, \$4.00 to \$5.00.

SPECIAL CHARGES

A fee of \$2.00 is charged a student for each special examination.

Students registering after the prescribed day of registration for the fall or spring semester shall pay an additional fee of two dollars.

A fee of \$5.00 is required at the time of registration for a professional degree, and a fee of \$10.00 is required upon presentation of the thesis.

ROOMS

The rooms in the Mt. Vernon House, Balentine Hall, Oak Hall, and the middle section of Hannibal Hamlin Hall accommodate two students each. All other rooms accommodate four students each.

Dormitory charges include steam heat and electric lights. The rooms in the dormitories for men are furnished with beds, mattresses, chiffoniers, desks, and chairs. Each resident in the dormitory has bed linen and three towels laundered each week without extra charge.

Women students not living at home are required to live in one of the women's dormitories. In exceptional cases women students are allowed to live at some boarding house approved by the President. To

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secure the reservation of a room in a university dormitory, application, accompanied by a deposit of \$5.00, should be made to the Registrar.

DEPOSITS TO COVER EXPENSES

(These deposits are made at the beginning of each semester)

STUDENTS FROM WITHIN THE STATE

	Registration	Tuition	Incidentals	Board and Room	To apply on Laboratory Fees	Key Deposit	Total
Students in Agriculture.....	\$5.00	-----	\$15.00	\$100.00	\$5.00	\$5.00	\$180.00
Students in Home Economics...	5.00	-----	15.00	100.00	5.00	-----	125.00
Students in College of Law.....	5.00	20.00	15.00	-----	-----	-----	40.00
Students in all other courses....	5.00	15.00	15.00	100.00	5.00	5.00	145.00

STUDENTS FROM WITHOUT THE STATE

	Registration	Tuition	Incidentals	Board and Room	To apply on Laboratory Fees	Key Deposit	Total
Students in Agriculture.....	\$5.00	\$50.00	\$15.00	\$100.00	\$5.00	\$5.00	\$180.00
Students in Home Economics...	5.00	50.00	15.00	100.00	5.00	-----	175.00
Students in College of Law.....	5.00	50.00	15.00	-----	-----	-----	70.00
Students in all other courses....	5.00	50.00	15.00	100.00	5.00	5.00	180.00

For a student not living in a university dormitory the above deposits are reduced by \$100.00.

COMMUNICATIONS

Communications with reference to financial affairs of students should be addressed to the Treasurer of the University of Maine.

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KITTRIDGE LOAN FUND

This fund, amounting to nearly one thousand dollars, was established by Nehemiah Kittridge, of Bangor. It is in the control of the President and the Treasurer of the University, by whom it is loaned to needy students in the three upper classes. In the deed of gift it was prescribed that no security but personal notes bearing interest at the prevailing rate should be required. Loans are made on the conditions that the interest be paid promptly, and that the principal be returned from the first earnings after graduation. Individual loans are limited to \$50.00.

SCHOLARSHIPS AND PRIZES

THE KIDDER SCHOLARSHIP, thirty dollars, was endowed by Frank E. Kidder, Ph. D., Denver, Colorado, a graduate of the university of the class of 1879, and is awarded to a member of the junior class to be selected by the President and the faculty.

NEW YORK ALUMNI ASSOCIATION SCHOLARSHIP, thirty dollars, is awarded upon conditions to be determined by the Board of Trustees. It has for some years been awarded to the student who excelled in debate.

PITTSBURG ALUMNI ASSOCIATION SCHOLARSHIP, tuition for one year, is awarded to a member of the junior class in the College of Technology, to be selected by the President and the professors of that college.

WESTERN ALUMNI ASSOCIATION SCHOLARSHIP, tuition for the sophomore year, is awarded a student pursuing a regular curriculum whose deportment is satisfactory and who makes good progress in his studies during his freshman year.

THE ELIZABETH ABBOTT BALENTINE SCHOLARSHIP was endowed by the Gamma chapter of Alpha Omicron Pi for a woman member of the sophomore class to be determined by the President and the faculty. This scholarship will be at least thirty dollars. Both scholarship and individual need are to be considered in the award.

THE JOSEPH RIDER FARRINGTON SCHOLARSHIP, a gift of Arthur M., Edward H., Oliver C., Horace P., and Wallace R. Farrington, all grad-

SCHOLARSHIPS AND PRIZES

uates of the University of Maine and sons of Mr. and Mrs. Joseph Rider Farrington. The gift amounts to \$1000 and provides a scholarship under conditions mentioned by the donors.

JUNIOR EXHIBITION PRIZES of fifteen dollars each are awarded to the members of the junior class who deliver the best orations at the junior exhibition. One prize is awarded to the man receiving the first rank in competition with the men of the junior class, and one prize awarded to the woman receiving first rank in competition with the women of the junior class. In the award of these prizes regard is given to thought, style, and delivery. Copies of these orations must be deposited with the Registrar before February 1.

SOPHOMORE ESSAY PRIZES, two of fifteen dollars each, one for men and one for women, are awarded to members of the sophomore class for excellence in composition. These essays must be presented by May 1.

CLARENCE P. KING PRIZE, twenty-five dollars, the gift of Mr. Clarence P. King, of Washington, D. C., is awarded to that member of the senior and junior classes who delivers the best original oration.

WALTER BALENTINE PRIZE, fifteen dollars, the gift of Whitman H. Jordan, Sc. D., LL. D., Geneva, N. Y., a graduate of the university of the class of 1875, is awarded to that student who excels in biological chemistry.

KENNEBEC COUNTY PRIZE, twenty-five dollars, the gift of the Hon. William T. Haines, LL. D., Waterville, a graduate of the university of the class of 1876, is awarded to that member of the junior class who writes the best thesis on applied electricity.

FRANKLIN DANFORTH PRIZE, ten dollars, the gift of the Hon. Edward F. Danforth, Skowhegan, a graduate of the university of the class of 1877, in memory of his father, Franklin Danforth, is awarded to that member of the senior class in an agricultural curriculum who attains the highest standing.

FATHER HARRINGTON PRIZE, twenty dollars, established by Rev. John M. Harrington, pastor of St. Mary's Church, Orono, is given to that student who writes the best essay upon modern literature. It may treat of German, English, French, Spanish, or Italian literature. The essay may be limited to any one of these literatures or to a comparative study of any number of them. This is open to any student in the university. These essays must be deposited with the Registrar before May 1.

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HOLT PRIZES, the gift of Dr. Erastus Eugene Holt, of Portland, are given to the three students of the senior class who show the greatest improvement in their physical rating. The rating will be determined from deductions made from the gymnasium and class records of the students at the beginning and end of their college course by the mathematical formula for the normal earning ability of the body devised by Dr. Holt.

THE MENORAH PRIZE, \$10.00, the gift of the Maine Menorah Association is awarded to the student who presents the best essay on any Jewish subject.

THE AMERICAN LAW BOOK COMPANY PRIZE, consisting of a complete set of "Cyc" with annual annotations to date, is given to the student in the College of Law who shall take the highest scholarship honor for the period of his senior year. The method of award is left to the faculty of the College of Law.

THE CALLAGHAN AND COMPANY PRIZE, consisting of the Cyclopedic Law Dictionary, is given to the student in the College of Law who has obtained the highest general average for his junior year.

THE MALCOLM FASSETT STATE-CENTENNIAL PRIZE, \$50.00, the gift of Malcolm E. Fassett, of the class of 1910, will be awarded to the student who writes the best one-act play dealing with typical or historical life and character in the State of Maine. The play should be in one act, preferably in one scene, and should require from thirty to forty-five minutes in presentation. In order to have the prize play available for production in 1920, all manuscripts will be due March 15, 1919. The contest will be under the direction of the council of the Maine Masque, subject to the approval of the President of the University. Plays may be submitted by any undergraduate student who is in regular standing at the university on March 15, 1919.

CLASS OF 1908 COMMENCEMENT CUP is awarded to the fraternity, the largest percentage of whose alumni register during Commencement week.

FRATERNITY SCHOLARSHIP CUP, presented to the university by the 1910 Senior Skull Society, is awarded at Commencement to that fraternity having the highest standing in scholarship for the preceding calendar year. The cup is to be awarded for eleven years, 1910 to 1920 in-

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clusive, and the fraternity to which it is awarded the greatest number of times is to be its permanent owner.

FRESHMAN SCHOLARSHIP CUP, presented by the Junior Mask Society, is awarded at Commencement to the fraternity whose freshman delegation has the highest standing in scholarship for the first semester.

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GENERAL REQUIREMENTS.—Candidates for admission should apply to the Registrar for an application card. They must present satisfactory certificates of fitness, or pass the required examinations, and make a cash deposit covering the bills of one semester. The university admits men and women, both residents of Maine and non-residents.

ADMISSION TO ADVANCED STANDING.—Candidates for advanced standing are examined in the preparatory studies, and in those previously pursued by the classes they wish to enter, or in other equivalent studies. A rank of B must be attained in order to pass any course without class attendance. Certificates from approved schools are accepted for the preparatory work, but certificates are not accepted for any part of the college work, unless such work has been done in a college. Students transferring from another college must present a letter of honorable dismissal.

SPECIAL STUDENTS.—Persons 21 years of age, not candidates for a degree, may be admitted as special students if they give satisfactory evidence that they are prepared to take the desired subjects.

ADMISSION TO SHORT COURSES

Candidates for the two-year CURRICULUM IN PHARMACY must be at least seventeen years of age, and must have graduated from an approved high school, or present satisfactory evidence of an equivalent preparation.

Candidates for the three-year CURRICULUM IN PHARMACY must have successfully completed the two-year CURRICULUM IN PHARMACY or its equivalent.

Candidates for admission to the two-year SCHOOL COURSE IN AGRICULTURE must be over fifteen years of age and prepared for advanced grammar or high school work.

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ADMISSION BY EXAMINATIONS

Entrance examinations are held at Orono, beginning four days before the opening of the fall semester, and on Wednesday, Thursday, Friday, and Saturday preceding Commencement. To save expense to candidates, examination papers will be sent to any satisfactory person who will consent to conduct examinations on the days appointed in June. If possible, these examinations should be in charge of the principal of the school. Papers will not be sent at any other time. The questions are to be submitted under the usual restrictions of a written examination, and the answers returned to the university immediately, accompanied by the endorsement of the examiner. The examination must be given on the days appointed in the schedule. Applications for such examinations must be made out on blanks to be obtained from the Registrar. Candidates for admission by examination, particularly those examined at Orono in September, should present statements from their school principals regarding their fitness to take the examinations and to undertake college work.

The examinations given by the College Entrance Examination Board will be accepted by the university. These examinations will be held during the week June 16-21, 1919. All applications for these examinations must be addressed to the Secretary of the College Entrance Examination Board, Post Office Sub-Station 84, New York, N. Y., and must be made upon a blank form to be obtained from the Secretary of the Board upon application.

A candidate who wishes to be examined on part of his work in advance of the year in which he proposes to enter the university may receive credit for such examination, provided he has completed not less than one-half of his preparatory work. It is advised that candidates avail themselves of this privilege as far as possible. Examinations on subjects which are to be continued in college should not be taken more than one year in advance.

ADMISSION OF GRADUATES FROM CLASS A SCHOOLS IN MAINE

Graduates from Maine high schools and academies placed by the State Superintendent of Schools in Class A may be admitted upon their school records, provided they have pursued a course of study including all the subjects required for admission to the curriculum that they pro-

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pose to follow and a sufficient number of the elective subjects to make a total of fourteen and a half units.

The school record of the candidates must be certified by the principal, upon blanks furnished by the university, and should be submitted before August 1.

ADMISSION BY CERTIFICATE FROM SCHOOLS OUTSIDE OF MAINE

Principals of schools situated outside of Maine who desire the certificate privilege must make application to the Dean of the University, and must furnish satisfactory evidence that the course of study in the school meets the requirements for admission. Blank forms for this purpose will be supplied on request.

Certificates will not be accepted for non-graduates except in unusual cases, and then only provided the candidate is expressly recommended for admission by the principal of the high school from which he comes. Certificates must be made out on blanks furnished by the university.

ENTRANCE REQUIREMENTS

To gain admission to any of the curricula leading to the degree of Bachelor of Arts or Bachelor of Science, 14½ units must be offered by the candidate, according to the following schedules (to count one unit, a subject must be pursued for one school year, with five recitation periods a week):

COLLEGE OF ARTS AND SCIENCES

Required Subjects

Foreign languages	4	units
English	3	"
History	1	unit
*Mathematics	2½	units

10½units

*Candidates who wish to pursue a curriculum without mathematics will be accepted with one unit of algebra and one of plane geometry.

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Not less than two units of any foreign language may be offered. Credit for advanced work will be accepted at the rate of one unit for each year of work.

Optional Subjects (4 units to be chosen)

Greek	2 or 3	units
Latin	2, 3, or 4	"
French	2, 3, or 4	"
German	2, 3, or 4	"
Spanish	2, 3, or 4	"
Advanced algebra.....		$\frac{1}{2}$ unit
Solid geometry.....		$\frac{1}{2}$ "
Trigonometry		$\frac{1}{2}$ "
Chemistry (including note-book).....	1	"
Physics (including note-book).....	1	"
Physiography (one half or one year).....	$\frac{1}{2}$ unit or 1	"
Biology (including note-book)	1	"
Botany (including note-book).....	1	"
Zoology (including note-book).....	1	"
Physiology		$\frac{1}{2}$ "
Ancient History (1 year).....	1	"
English History (1 year).....	1	"
American History and civil government (1 year)...	1	"
Medieval and modern history.....	1	"

COLLEGES OF AGRICULTURE AND TECHNOLOGY

Required Subjects

English	3	units
*Algebra	1 $\frac{1}{2}$	"
Plane geometry	1	"

*Candidates who have had two full years of algebra, including a review during the last year, and the use of an advanced text-book, may receive credit of two units. Such a course is recommended for those who wish to pursue a curriculum in engineering or chemistry. Candidates for a curriculum in agriculture, forestry, or home economics will be accepted with one unit of algebra.

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Solid geometry (College of Technology except Pharmacy)...	1/2 unit
Foreign language (two years of one language).....	2 units
Science	1 unit
History	1 "
	9 1/2 or 10 units

Optional Subjects (4 1-2 or 5 units to be chosen)

Each year of French.....	1	unit
" " " German	1	"
" " " Spanish	1	"
" " " Latin	1	"
" " " Greek	1	"
Advanced Algebra.....	1/2	"
Trigonometry	1/2	"
*Mechanical Drawing.....	1/2	"
*Manual training.....	1/2	"
Chemistry (including note-book).....	1	"
Physics (including note-book).....	1	"
Physiography (one-half year or one year).....	1/2 unit or 1	"
Biology (including note-book).....	1	"
Botany (including note-book).....	1	"
Zoology (including note-book).....	1	"
Physiology	1/2	"
Roman History	1/2	"
Greek History	1/2	"
English History.....	1/2 or 1	"

Candidates for admission to any curriculum, who are well prepared in all the required subjects, but whose high school course has included studies other than the electives mentioned above, will be allowed to substitute such as will furnish a real equivalent. Each case of proposed substitution will be considered upon its merits.

*Graduates from high schools giving a full manual training course may receive credit for mechanical drawing, manual training, and free-hand drawing, on the basis of one-half unit for five forty-five minute periods per week for one year in one subject taken in the high school.

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Credit for industrial and commercial subjects may be given at the discretion of the committee on admission. The total credit for these subjects will be limited to two units for admission to the College of Arts and Sciences, and to four units for the Colleges of Agriculture and Technology.

The requirement in history will be satisfied by a year of Greek and Roman history, or a year of English history, or a year of medieval and modern history, or a year of American history and civil government.

COLLEGE OF LAW

Regular Students. Students who enter as candidates for degrees must present credentials showing the completion of at least two full years of work in an approved college or university. An approved college or university will be understood to mean a college or university which requires at least 14 Carnegie units for entrance, which offers facilities for good college work, and which maintains acceptable standards.

Special Students. Special students will be admitted only when they satisfy the following requirements: They must be at least 21 years of age; they must appear personally before the committee on administration, and satisfy this committee that they have the maturity and mental training that will qualify them to do acceptably the work required of regular students.

REQUIREMENTS IN DETAIL

Languages

ENGLISH.—The entrance examination in English presupposes courses in composition and English literature pursued in the high school during four years. Prospective students are warned against attempting to prepare the required work in less time. Progress in composition particularly is of slow growth and requires almost daily cultivation during a long period of time. Books, to be thoroly enjoyed and appreciated, should be read leisurely and under favorable circumstances.

Rhetoric.—Candidates are expected to have had practice in composition for at least three days a week during the whole four years of the

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high school, and to have included in the latter part of their course such work in the elements of rhetoric as, for example, is contained in Carpenter's Rhetoric and Composition.

Grammar.—The examination will include questions on the syntax of sentences, and on general grammatical principles.

Weight of Composition.—The examination is mainly designed to test the candidate's ability to express his thought correctly and clearly. It is quite possible to answer all questions on the literature correctly, and yet fail on the examination as a whole because of crude and ungrammatical English. Prospective candidates are advised to give especial attention to spelling, punctuation, grammatical correctness, idiomatic words and phrases, sentence and paragraph formation.

Subjects.—Subjects for short compositions will be taken from a prescribed list of books; also from the candidate's general knowledge and experience.

The prescribed books are those adopted by the Conference on Uniform Entrance Requirements. There is a list for general reading and a list for study. They will be furnished upon application to the university.

FRENCH.—The admission requirements in elementary and intermediate French are those recommended by the Modern Language Association of America.

I. *Elementary French.*—At the end of the second year the pupil should be able to pronounce French accurately, to read at sight easy French prose, to put into French simple English sentences taken from the language of everyday life or based upon a portion of the French text read, and to answer questions on the rudiments of the grammar as defined below.

The first year's work should comprise: (1) careful drill in pronunciation; (2) the rudiments of grammar, including the inflection of the regular and the more common irregular verbs, the plural of nouns, the pronouns, common adverbs, prepositions, and conjunctions; order of words in the sentences, and elementary rules of syntax; (3) abundant easy exercises, designed not only to fix in memory the forms and principles of grammar, but also to cultivate readiness in reproducing natural forms of expression; (4) the reading of 100 to 175 duodecimo pages of graduated texts, with constant practice in translating into French easy variations of the sentences read (the teacher giving the English), and

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in reproducing from memory sentences previously read; (5) writing French from dictation.

The second year's work should comprise: (1) the reading of 250 to 400 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches; (2) constant practice, as in the previous year, in translating into French easy variations upon the texts read; (3) frequent abstracts, sometimes oral and sometimes written, of portions of the text already read; (4) writing French from dictation; (5) continued drill upon the rudiments of grammar, with constant application in the construction of sentences; (6) mastery of the forms and use of pronouns, pronominal adjectives, of all but the rare irregular verb forms, and of the simpler uses of the conditional and subjunctive.

Suitable texts for the second year are: About, *le Roi des montagnes*; Bruno, *le Tour de la France*; Daudet, *Easier Short Tales*; De la Bédollière, *la Mère Michel et son chat*; Erckmann-Chatrian, *Novels*; Foa, *Contes biographiques* and *le Petit Robinson de Paris*; Foncin, *le Pays de France*; Labiche et Martin, *la Poudre aux yeux* and *le Voyage de M. Perrichon*; Legouvé et Labiche, *la Cigale chez les fourmis*; Malot, *Sans famille*; Mairat, *la Tâche du petit Pierre*; Mérimée, *Colomba*; Extracts from Michelet; Sarcey, *le Siège de Paris*; Verne's *Stories*.

II. *Intermediate French*.—At the end of the third year the pupil should be able to read at sight ordinary French prose or simple poetry, to translate into French a connected passage of English based on the text read, and to answer questions involving a more thoro knowledge of syntax than is expected in the elementary course.

This should comprise the reading of 400 to 600 pages of French of ordinary difficulty, a portion to be the dramatic form; constant practice in giving French paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; the study of a grammar of moderate proportions; writing from dictation.

Suitable texts are: About, *Novels*; Augier et Sandeau, *le Gendre de M. Poirier*; Béranger, *Poems*; Corneille, *le Cid* and *Horace*; Coppée, *Poems*; Daudet, *la Belle Nivernaise*; La Brète, *Mon oncle et mon curé*; Madame de Sévigné, *Letters*; Victor Hugo, *Hernani* and *la Chute*; Labiche, *Plays*; Loti, *Pêcheur d'Islande*; Mignet, *Historical Writings*; Racine, *Andromaque* and *Esther*; George Sand, *Novels*; Sandeau, *Mademoiselle de la Seiglière*; Scribe, *Plays*; Thierry, *Récits*; Vigny, *la Canne de jonc*; Voltaire, *Historical Writings*.

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At the end of the fourth year the pupils should be able to read at sight, with the help of a vocabulary of special or technical expressions, difficult French not earlier than that of the seventeenth century; to write in French a short essay on some simple subject connected with the works read; to put into French a passage of easy English prose, and to carry on a simple conversation in French.

This should comprise the reading of from 600 to 1,000 pages of standard French, classical and modern, only difficult passages being explained in the class; the writing of numerous short themes in French; the study of syntax.

Suitable reading matter will be: Beaumarchais, *le Barbier de Séville*; Corneille, Dramas; Dumas père, Prose Writings; Dumas fils, *la Question d'argent*; Victor Hugo, *Ruy Blas*, Lyrics, and Novels; La Fontaine, *Fables*; Larmartine, *Graziella*; Marivaux, Plays; Molière, Plays; Musset, Plays and Poems; Pellissier, *le Mouvement littéraire au XIX siècle*; Renan, *Souvenirs d'enfance et de jeunesse*; Rousseau, Writings; Sainte-Beuve, Essays; Selections from Zola, Maupassant, and Balzac.

The examination of the College Entrance Certificate Board in elementary French will be accepted for two units, and that in intermediate French for one additional unit.

SPANISH.—The admission requirements in Spanish are those of the College Entrance Examination Board.

Elementary Spanish.—At the end of the second year of the elementary course the pupil should be able to pronounce Spanish accurately, to read at sight easy Spanish prose, to put into Spanish simple English sentences taken from the language of everyday life or based upon a portion of the Spanish text read, and to answer questions on the rudiments of the grammar, as indicated below.

The first year's work should comprise: (1) Careful drill in pronunciation; (2) the rudiments of grammar, including the conjugation of the regular and the more common irregular verbs, the inflection of nouns, adjectives, and pronouns, and the elementary rules of syntax; (3) exercises containing illustrations of the principles of grammar; (4) the careful reading and accurate rendering into good English of about 100 pages of easy prose and verse, with translation into Spanish of easy variations of the sentences read; (5) writing Spanish from dictation.

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The second year's work should comprise: (1) The reading of about 200 pages of prose and verse; (2) practice in translating Spanish into English, and English variations of the text into Spanish; (3) continued study of the elements of grammar and syntax; (4) mastery of all but the rare irregular verb forms and of the simpler uses of the modes and the tenses; (5) writing Spanish from dictation; (6) memorizing of easy short poems.

The emphasis should be placed on careful thoro work with much repetition rather than upon rapid reading. The reading should be selected from the following: A collection of easy short stories and lyrics, carefully graded; Juan Valera, *El pájaro verde*; Pérez Escrich, *Fortuna*; Ramos Carrión and Vital Aza, *Zaragüeta*; Palacio Valdés, *José*; Pedro de Alarcón, *El Capitán Veneno*; the selected short stories of Pedro de Alarcón or Antonio de Trueba.

LATIN.—The entrance examination in Latin will consist of four parts as follows:

1. An examination on the elements of Latin grammar and easy translations.

2a. An examination in sight translation of Latin prose suited to test the ability of a candidate who has read from Cæsar (Gallic War and Civil War) and Nepos (Lives) an amount not less than Cæsar, Gallic War, I-IV.

b. Questions on the ordinary forms and constructions of Latin grammar and the translation of easy English sentences into Latin.

3a. An examination on Cicero, speeches for the Manilian Law and for Archias, with questions on subject-matter, literary and historical allusions, and grammar.

b. An examination in sight translation of Latin prose adapted to candidates who have read from Cicero (speeches, letters, and De Senectute) and Sallust (Catiline and Jugurthine War) an amount not less than Cicero, speeches against Catiline I-IV, for the Manilian Law, and for Archias.

c. A test in writing simple Latin prose which shall demand a thoro knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in school.

4a. An examination on Vergil, *Æneid*, I, II, and either IV or VI at the option of the candidate, with questions on subject matter, literary and historical allusions, and prosody.

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b. An examination in sight translation of Latin poetry adapted to candidates who have read from Vergil (Bucolics, Georgics, and *Æneid*) and Ovid (Metamorphoses, Fasti, and Tristia) an amount not less than Vergil, *Æneid*, I-VI.

A candidate may obtain separate credit for each part except in the College of Arts and Sciences. Each represents a year's work and entrance credit for one unit.

In parts 3 and 4 candidates must deal satisfactorily with both the sight and set passages, or they will not be given credit for either.

GREEK.—The grammar, including prosody; Xenophon's *Anabasis*, books I-IV; Homer's *Iliad*, books I-III; the sight translation of easy passages from Xenophon; the translation into Greek of easy passages based on the required books of the *Anabasis*. For the last a vocabulary of less usual words will be furnished. Equivalent readings will be accepted in place of those prescribed.

History

ROMAN HISTORY.—A knowledge of Roman history, down to the death of Marcus Aurelius, such as may be obtained from Allen's *Short History of the Roman People*, or from Meyer's *Rome: Its Rise and Fall*, or from Morey's *Outlines of Roman History*.

ENGLISH HISTORY.—A knowledge such as may be obtained from Montgomery, Coman and Kendall, Terry, or Cheyney's *History of England*.

UNITED STATES HISTORY AND CIVIL GOVERNMENT.—A knowledge such as may be obtained from the works of Fiske, Hart, Montgomery, or McLaughlin.

GREEK HISTORY.—History of Greece, to the capture of Corinth, 146 B. C.; Myers, Morey, or Botsford.

Mathematics

ALGEBRA.—The four fundamental operations for rational algebraic expressions; factoring, determination of highest common factor and least common multiple by factoring; fractions, including complex fractions, and ratio and proportion; linear equations, both numerical and

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literal, containing one or more unknown quantities; problems depending on linear equations; radicals, including the extraction of the square root of polynomials and of numbers; exponents, including fractional and negative; quadratic equations, both numerical and literal; simple cases of equations with one or more unknown quantities, that may be solved by the methods of linear or quadratic equations; problems depending on quadratic equations; the binomial theorem for positive integral exponents; the formulas for the n th term and the sum of the terms of arithmetical and geometrical progressions, with applications.

It is assumed that pupils are required thruout the course to solve numerous problems which involve putting questions into equations. Some of the problems should be chosen from mensuration, from physics, and from commercial life. The use of graphical methods and illustrations, particularly in connection with the solution of equations, is also expected.

PLANE GEOMETRY.—The usual theorems and constructions of good text-books, including the general properties of plane rectilinear figures; the circle and the measurement of angles; similar polygons; areas; regular polygons and the measurement of the circle.

SOLID GEOMETRY.—The usual theorems and constructions of good text-books, including the relations of planes and lines in space; the properties and measurement of prisms, pyramids, cylinders, and cones; the sphere and the spherical triangle.

TRIGONOMETRY.—Definitions and relations of the six trigonometric functions as ratios; circular measurement of angles; proofs of principal formulas; in particular for the sine, cosine, and tangent of the sum and the difference of two angles, of the double angle and the half angle; the product expressions for the sum or the difference of two sines or of two cosines, etc.; the transformation of trigonometric expressions by means of these formulas; solution of trigonometric equations of a simple character; theory and use of logarithms (without the introduction of work involving infinite series); the solution of right and oblique triangles, and practical applications.

ADVANCED ALGEBRA.—Permutations and combinations, limited to simple cases; complex numbers, with graphical representation of sums and differences; determinants, chiefly of the second, third, and fourth orders, including the use of minors and the solution of linear equations;

ADMISSION

numerical equations of higher degree, and so much of the theory of equations, with graphical methods, as is necessary for their treatment, including Descartes's rule of signs and Horner's method, but not Sturm's functions or multiple roots.

Sciences

***BIOLOGY.**—This may consist of a continuous course for one year dealing with the problems of general biology, including the study of the structure, functions, and habits of both plants and animals; a course for one year in botany alone; a course for one year in zoology alone; or a course for one-half year in human physiology. The human physiology may be arranged to form a part of the general biology, or of the zoology; but in such cases it must be treated as an integral part of the subject under consideration.

***CHEMISTRY.**—The necessary ground is covered by the following text-books: Brownlee and others, Hessler and Smith, McPherson and Henderson, Newell.

PHYSICAL GEOGRAPHY (PHYSIOGRAPHY).—A satisfactory preparation may be obtained from either Appleton's or Tarr's Physical Geography.

***PHYSICS.**—The work usually covered in one year in a good fitting school.

The requirements in botany and zoology are the same as those of the College Entrance Examination Board, and are outlined in the syllabus of the board. The note-book should include properly labeled drawings, and descriptions of experiments, representing as much of the work in this syllabus as may be practicable, and should be the record of a year's laboratory work in the subject. The making of an herbarium is optional.

*The work in these sciences must include certified note-books exhibiting the results of experimental work performed by the student. In physics forty exercises are required and in chemistry fifty exercises. These note-books should be presented at the examination. In the case of students certified in the sciences, the principal is expected to pass upon the quality of the note-book rather than send them to the university.

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Organization of the University

The university is divided for purposes of administration into the Colleges of Agriculture, Arts and Sciences, Law, and Technology, and the Maine Agricultural Experiment Station. The policies of the university as a unit are determined by the Board of Trustees and the general faculty, but each division regulates those affairs which concern itself alone.

COLLEGE OF AGRICULTURE

Curricula in Agronomy, Animal Husbandry, Biology, Dairy Husbandry, Forestry, Home Economics, Horticulture, Poultry Husbandry, and for Teachers of Agriculture.

School Course in Agriculture (two years)

Short courses; Farmers' Week; Correspondence and Lecture Courses; Demonstration Work; Extension Schools.

COLLEGE OF ARTS AND SCIENCES

Major subjects may be selected in Biology, Chemistry, Economics and Sociology, Education, English, French, Greek and Classical Archeology, History, Latin, Mathematics and Astronomy, Philosophy, Physics, and Spanish and Italian.

COLLEGE OF LAW

This College offers a prescribed curriculum leading to the degree of Bachelor of Laws.

COLLEGE OF TECHNOLOGY

Curricula in Chemical Engineering, Chemistry, Civil Engineering, Electrical Engineering, Mechanical Engineering, and Pharmacy.

ORGANIZATION OF THE UNIVERSITY

MAINE AGRICULTURAL EXPERIMENT STATION

Offices and principal laboratories at Orono; Highmoor Farm at Monmouth; Aroostook Farm at Presque Isle.

GRADUATE COURSES leading to the Master's degree have been organized. These courses are administered by the Committee on Graduate Study.

A SUMMER TERM of six weeks is maintained by the university.

The college year is divided equally into a fall semester and a spring semester. The minimum regular work for a semester in the College of Arts and Sciences is fourteen hours a week (exclusive of physical training and military science). In the College of Agriculture and the College of Technology the minimum is seventeen hours a week (exclusive of physical training and military science). Thirty hours in the major subject represent the minimum requirement for a degree.

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College of Agriculture

The College of Agriculture comprises the Departments of Agricultural Extension, Agronomy, Animal Industry, Biological and Agricultural Chemistry, Biology, Farm Management and Agricultural Engineering, Forestry, Home Economics, Horticulture, and Veterinary Science and Bacteriology. The aim of this college is to train young men for service as farmers, teachers of agriculture and the allied sciences in schools and colleges, investigators in agricultural experiment stations, and foresters; and to prepare young women to become teachers of home economics and to comprehend the problems of administration in the home and in public institutions. On entering either a four-year curriculum or the two-year School Course in Agriculture a student is required to fill out a practical experience blank. Those who have not had experience in general farming are required to work during at least one summer vacation on some farm approved by the faculty of the college.

The college curricula are designed for those who wish to follow general farming, animal husbandry, dairy husbandry, poultry husbandry, horticulture, home economics, chemistry as related to experiment station work, biological chemistry, bacteriology and veterinary science, biology, farm management, and forestry either as a business or as a profession.

The courses of instruction are organized as follows:

1. REGULAR CURRICULA

The four-year general curricula in Agronomy, Animal Husbandry, Biology, Dairy Husbandry, Forestry, Home Economics, Horticulture, and Poultry Husbandry; and the four-year curriculum for Teachers in General Agriculture

2. SHORT COURSES

The two-year School Course in Agriculture

The short winter courses in General Agriculture, Dairying, Horticulture, and Poultry Management

Farmers' Week

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3. EXTENSION COURSES

- The correspondence courses
- The lecture courses
- Movable or extension schools

Special Courses in Agriculture and Home Economics

The Special Courses in Agriculture and Home Economics are designed for young men and women who cannot spend four years in preparation, but who desire to secure special training. No fixed schedule of studies is prescribed, but students may elect along the line of horticulture, dairying, poultry management, veterinary science, agricultural chemistry, bacteriology, farm management, general agriculture, or home economics.

Persons not candidates for a degree who desire to take special studies may be permitted to do so, if, upon examination, they give satisfactory evidence that they are prepared to pursue them. This privilege is intended for students of unusual maturity or previous advancement in particular subjects, and not for those who are incompetent to pursue a regular course. If they subsequently desire to become candidates for a degree, they will be required to meet all the entrance requirements.

The annual expenses for courses of one year or more are the same as those for students in the four-year curricula. Tuition is free to residents of Maine except in Forestry and Biology.

Two-year School Course in Agriculture

This is a course designed to train young men and women who wish to become practical farmers, farm superintendents, dairymen, poultrymen, or gardeners, but who cannot devote time to high school or college training.

The same equipment is used as in the four-year curricula, but the work is of a more elementary nature. All the classes are separate and distinct from the four-year classes, and in no case will college credit be allowed for work done in the School Course.

There are no entrance examinations required of those who desire to enter the School Course. Students over fifteen years of age who are prepared for advanced grammar or high school work are eligible for

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registration. No tuition is charged in this course, but the same registration and incidental fees of fifteen dollars a semester, or thirty dollars a year, are charged School Course in Agriculture students as are charged all others attending the university. Fees amounting to two dollars and fifty cents are charged in each of the carpentry and blacksmithing courses to cover cost of material used. Fees are also charged in several agricultural laboratories.

The practical side of this work is strongly emphasized, and since students who complete it are expected to be able to do work and handle men, those taking this course are required to spend the summer vacation between the first and second years in work either at the college or on some farm approved by the faculty.

On completion of the course a certificate is awarded those who have satisfactorily done the work.

Short Winter Courses in General Agriculture, Dairying, Horticulture, and Poultry Management

The short courses in general agriculture deal especially with farm crops. Special attention is given to the potato, corn, oat, and hay crops,—the preparation of seed bed, selection of seed, seeding, fertilization, culture, and harvesting. Such general subjects as drainage, maintenance of soil fertility, rotation of crops, control of weeds, etc., are considered. Potato, corn, and grain judging is made a prominent feature.

The short course in dairying is designed to meet the requirements of creamery assistants, practical farmers, herdsmen, and others who desire to learn milk testing, butter making, the principles of animal nutrition, and practices of feeding, breeding, judging stock, and the diseases of farm animals.

The short course in horticulture is offered for those who wish to acquaint themselves with the most approved methods of orchard management. Special attention will be given to such subjects as the selection of orchard sites, selecting and obtaining nursery stock, pruning, cultivation, spraying, packing, and cooperation in the fruit business. Opportunity will be given for the laboratory study of spraying, packing, planting, pruning, and grafting. An effort is made to show where money is lost and made in the fruit business.

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The short course in poultry management is given each year to aid persons who wish to gain a practical knowledge of the handling of incubators and brooders, the feeding and rearing of young chicks, the general management of mature fowls, scoring, judging, killing, and marketing. For purposes of instruction the College of Agriculture keeps representatives of leading breeds of fowls.

Very few text-books are used in any of the courses and the expenses for board and room, which are the only other expenses, are moderate. Circulars giving the dates and programs of these courses are published each year and will be sent upon application to the College of Agriculture.

Department of Agricultural Extension

This department offers correspondence courses, lecture courses, demonstration work, cooperative experiments, and extension schools in agriculture.

This work is intended to give direct help to those on the farm and in the home; to aid those who desire definite instructions in practical agriculture, animal and dairy husbandry, poultry husbandry, home economics, forestry, and horticulture. It supplements the teaching and experimenting of the College of Agriculture and the Agricultural Experiment Station. It is professedly a popular work because it endeavors to aid the farmer to solve the practical problems of the farm, to quicken agricultural work, and to inspire greater interest in country life.

Correspondence Courses

These courses are given by means of text-books and publications of the college, the U. S. Department of Agriculture, or the various experiment stations. The text-books are furnished at publishers' prices. The courses are free and may be taken by individuals, granges, reading circles, or other organizations. A certificate will be given to students completing any of these courses with satisfactory standing.

The following courses are offered:

Course 1—Farm Crops and Crop Production

Course 2—Farm Management

Course 3—Feeding and Breeding of Farm Animals and Dairy-
ing

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- Course 4—Poultry Keeping
- Course 5—Fruit Growing
- Course 7—Elementary Agriculture
- Course 8—Home Economics
- Course 9—Vegetable Gardening
- Course 10—The Business of Dairying

Lecture Courses

Lectures in these courses are given under the auspices of granges clubs, societies, and other gatherings by the members of the agricultural faculty.

A complete list of the lectures will be forwarded on request.

Demonstration Work

For this work members of the agricultural faculty will make demonstrations, showing, as well as telling, how to solve many practical farm problems. These demonstrations are made on the farms and are offered under the same conditions as the lectures.

The following is a practical list of the demonstrations that may be secured: home mixing of fertilizers; milk testing (use of Babcock tester); stock judging; corn and small grain judging and breeding; potato judging, breeding, and spraying; orchard spraying, pruning, and grafting; apple packing; method of killing and dressing poultry; method of determining the age of horses; methods of giving medicine to domestic animals. All demonstrations are accompanied by lectures.

Farm Demonstration Work

This form of extension service consists of practical demonstrations of farming operations, of the values of various projects, and of proper equipment in the farming business.

The demonstration work is now established in every county in the State.

Boys' and Girls' Agricultural Clubs

The organization of junior agricultural and home economics clubs was begun in 1913, under the direction of the Extension Department,

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with state leaders in active charge of the field work. The club work is conducted very largely in cooperation with the schools, granges, and the Y. M. C. A. county work. It will be extended thruout the State as rapidly as possible. Local exhibis will be held the present year and the winners at these exhibits will compete later in a state contest to be held at the College of Agriculture.

Extension Schools in Agriculture

To extend the advantages of agricultural instruction to persons actively engaged in agriculture, the Extension Department will conduct a limited number of three-day schools in various parts of the State.

Correspondence

Besides the Demonstration, Correspondence, and Lecture Courses, the College of Agriculture welcomes correspondence on practical farm topics. If information is desired along lines relating to crops, fertilizers, dairy work, feeding, or orcharding and gardening, the various instructors are ready to give such assistance as they are able.

A free "Extension Bulletin," dealing with agricultural and home economics subjects, is issued at frequent intervals thruout the year. This bulletin is sent to all persons whose names appear on the bulletin mailing list and to such other persons as may apply for it.

Circulars giving full information upon these subjects will be sent upon request.

UNIVERSITY OF MAINE

College of Arts and Sciences

The College of Arts and Sciences offers a course of liberal training equivalent to that of the standard New England college. It designs particularly to meet the needs of three classes of students:

1. Men and women who desire to pursue a cultural college course.
2. Men and women who desire to enter professional schools.
3. Men and women who plan to fit themselves for the profession of teachers in secondary schools, or for school superintendents.

ADMISSION

The requirements for admission are given in full elsewhere in the catalog. They are practically the same as for other New England colleges and may be met by a four-year preparatory course in a good high school or academy.

FRESHMAN STUDIES

The character of the work of the first year is conditioned somewhat upon the subjects offered for admission.

It is recommended that all students in this college register for as much of the required work as practicable in their freshman year, and they are expected to complete the whole of this work by the end of their sophomore year.

MAJOR SUBJECT

During the freshman year the student does not select a major subject and the registration is largely prescribed.

Beginning with the sophomore year each student must select, in some one department, work to be pursued three or four years, on the average of five recitations a week. Any one of the following departments may be chosen for major work: Biology, (including Zoology, Botany, Physiology, and Entomology), Chemistry, Economics and Sociology, Educa-

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tion, English, French, German, Greek and Classical Archeology, History, Latin, Mathematics and Astronomy, Philosophy, Physics, Spanish and Italian.

The major subject must include work counting not less than thirty nor more than fifty hours. In the case of departments in which less work is offered than amounts to thirty hours, this must be made up from such other related departments as the professor under whose direction the major subject is taken may prescribe. The remainder of the student's work may be selected from any department or departments of the university. This must be done with the approval of the head of the department in which the student has chosen his major subject and must bear some useful relation to his other work.

The head of the department in which the student has chosen his major subject becomes his major instructor, and during the remainder of the course this instructor acts as chief adviser in all matters relating to the curriculum, and is the representative of the student before the faculty.

GRADUATION REQUIREMENTS

The College of Arts and Sciences has the following graduation requirements:

Every candidate for the Bachelor of Arts degree is required to complete the following amount of work in college: (a) eight hours prescribed in English; (b) ten or sixteen hours elected in Group 1, of which six or ten hours must be in foreign languages; (c) ten hours elected in Group 2; (d) ten hours elected in Group 3; (e) military science and tactics, two years, three hours a week; (f) physical training, one year, three hours a week.

A student who enters college with a minimum of four units in foreign languages is required to elect sixteen hours in Group 1, of which at least ten hours shall be in foreign languages. A student who enters with more than the minimum of four units credit is required to elect at least ten hours in Group 1, of which at least six hours shall be in foreign language.

1. LANGUAGE GROUP.—This is composed of courses in language and literature, including all the courses offered in the departments of English, Public Speaking, French, Spanish and Italian, and such courses offered by the departments of Greek and Latin as deal with the Greek

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and Latin languages and literatures, or presume some knowledge of these languages.

2. **SCIENCE AND MATHEMATICS GROUP.**—This is composed of the courses offered in mathematics and the biological and physical sciences, including all the courses offered by the Departments of Mathematics, Biology, Chemistry, Biological Chemistry, and Physics.

3. **SOCIAL SCIENCE GROUP.**—This is composed of the courses offered in the Departments of History, Economics and Sociology, Philosophy, Education; and the courses in Bibliography, History, Archeology, Fine Arts, Music, and Biblical Literature offered in other departments and not included in the first group.

4. **MILITARY SCIENCE AND TACTICS**, two years, three hours a week.

5. **PHYSICAL TRAINING**, one year, three hours a week.

GENERAL LECTURE COURSE

A course of weekly lectures is given in the College of Arts and Sciences each semester. Attendance is open to all, and credit is granted when the course is completed. This course is omitted in 1918-19.

INFORMATION CLUB

This is a club composed of students in the College of Arts and Sciences who are willing to spend an hour a week in the discussion of some topic of general interest. Leaders are selected from the faculty of this college. The attendance is voluntary and no credit is given for this work.

PROGRAM FOR SECONDARY SCHOOL TEACHERS LEADING TO A STATE CERTIFICATE

The College of Arts and Sciences of the University of Maine has arranged a program for the professional training of secondary school teachers, which will entitle those who complete it to a professional state certificate for secondary school teachers. The program has been arranged in conference with the State Superintendent of Public Schools and has his endorsement.

In addition to fulfilling the general requirements leading to the de-

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gree of Bachelor of Arts, the student is expected to complete six hours in Psychology in the sophomore year as a prerequisite to twelve hours work in Education in the junior and senior years, thirty hours in a major subject, and from ten to twenty hours in a minor subject. The prescribed work in Education includes three hours in the History of Education, three hours in the Principles of Secondary Education, three hours in Technique of Teaching, and three hours to be elected from the three following subjects: Adolescence, Pedagogy and Psychology of High School Subjects, and Practice Teaching.

The selection of a major subject to which the student devotes 30 hours and a minor subject to which he devotes from 10 to 20 hours is designed to equip him for teaching two subjects related to high school. Usual combinations of high school subjects are English and history, Latin and history, English and Latin, Latin and modern languages, mathematics and physics, physics and chemistry. For the completion of this course a high standard of scholarship is required. All the prescribed work must be of C grade or above. Upon completing this course the student will receive a Professional Secondary Certificate from the State Department of Public Instruction which will designate the major and minor subjects which he has pursued. A special certificate will also be issued by the university which will give a detailed outline of the student's record.

BACHELOR OF ARTS CURRICULA

The work in the College of Arts and Sciences leads to the degree of Bachelor of Arts (B. A.). The curricula demand 125 hours and are regularly completed in four years, but a student of exceptional preparation and application may complete the requirements in three years by attending one or more summer terms. Students fitting themselves for professional or technical schools are often encouraged to do this, but prospective teachers are recommended to spend four years in college.

No outlines of the curricula in the College of Arts and Sciences are given in the catalog, but students may have an outline presented to them by applying to the professor in charge of the department in which they are interested. Groups of studies may be made up which would be desirable for students intending to prepare for teaching, or to enter upon the study of law, medicine, or theology.

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In this college, 95 out of the 125 required hours must be made with a grade of C or above.

BACHELOR OF PEDAGOGY CURRICULA

Graduates of the Maine normal schools who have completed a course in a Class A high school, and who have had one year of successful experience in teaching, are admitted to the university as candidates for the degree of Bachelor of Pedagogy. Such students are required to complete, with high grade, seventy-five semester hours, of which twelve shall be in the Department of Education, and a sufficient number of the remaining hours shall be devoted to some one department to give them a satisfactory equipment for high school teaching.

CURRICULUM IN JOURNALISM

The university maintains a Curriculum in Journalism, which extends over four years and includes the following subjects:

Freshman year, English, French, or Spanish; Science—Physics, or Chemistry, or Biology; English, 18th and 19th Century Prose; Bibliography; History and Government; Military and Physical Training. Sophomore year, Elements of Economics, Elements of Politics, Money and Banking; History of English Literature; English History, American History, Medieval History; Science; Victorian Literature; Military and Physical Training. Junior year, Commerce, European Governments; Democracy; History of the United States; History of American Literature; Shakespeare, or History of the English Drama; Journalism; Elective, Science, or Language, or Philosophy, or Art, three hours. Senior year, Sociology, Social Pathology, American Government, Labor Problems; Specialized Writing; Recent History; Literary Criticism; Journalism; Elective, Language, Philosophy, History of Education, or Art, five hours.

Students who complete this curriculum will receive the Bachelor of Arts degree for major work in English. Work in this department is temporarily omitted.

COMBINED ARTS AND LAW CURRICULA

Students who have completed the junior year in the College of Arts and Sciences are permitted to enter the College of Law and are given

COLLEGE OF LAW

College of Law

Purposes. It is the purpose of the college to fit the student for active practice of the legal profession, while its curriculum, either as a whole or in part is available to those who are preparing themselves for administrative work, as well as to those who choose this course of study as offering in itself a liberal education.

Admission. The College of Law, like the other departments of the university, admits both men and women as students.

Those who enter as candidates for degrees must present credentials showing the completion of at least two full years of work in an approved college or university. A course of study especially adapted to prepare for the College of Law is offered by the College of Arts and Sciences of the University of Maine.

Special students must be at least 21 years of age, and must appear personally before the Committee on Administration and satisfy this committee of their maturity and mental training.

Students entering from any law school having equal admission requirements are admitted to advanced standing and given full credit for work done in the school from which they come, upon presenting certificates of proficiency from its executive head. All others seeking advanced standing as regular students must have the necessary educational qualifications required for admission and must pass examinations in the subjects covered in the earlier part of the curriculum.

Degrees. The following degrees are conferred: on students who have satisfactorily completed the Junior year of the College of Arts and Sciences, and have further completed one year in the College of Law, the degree of Bachelor of Arts, (A. B.); on students who have completed the three years of prescribed work in the College of Law, the degree of Bachelor of Laws, (LL. B.); on students holding the degree of LL. B. from the University of Maine or another law school having equal requirements, who have completed one additional year's work in the College of Law subsequent to obtaining that degree, and have complied with the requirements of the Committee on Graduate Study, the degree of Master of Laws, (LL. M.).

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Curriculum. The method of instruction is in general the analytic or case system common to American law schools, supplemented by lectures, readings, problems, and practical demonstrations.

The curriculum for the regular law classes is designed to occupy the student the usual period of three years, this being the time of study required by the laws of Maine and generally in other states, preliminary to taking the bar examinations. The subjects are those specified by the Maine Board of Legal Examiners, together with the other principal branches of the law taught in the best three year law schools of the country.

Students register for twelve hours a week of prescribed work in the College of Law and three additional hours either in law or in allied subjects approved by the faculty. As another requirement for graduation, the student must submit a thesis on some legal topic selected or approved by the faculty.

In addition to required work opportunity and encouragement is given for special research in a well selected law library of nearly 6000 volumes; and to those who show an aptitude for it, a valuable training is afforded by the editorial work of the Maine Law Review, a journal published by the school.

Special plans, 1918-19. During this period of reconstruction an especial effort is being made to accommodate men returning from the service, and with this in view arrangements have been made to enable all who enter the College of Law for the winter term 1918-19 to complete their year's work in two terms, ending in June 1919, so that they may graduate then or go on with their classes in the fall.

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the degree of B. A. after one year, and LL. B. after two additional years' work. Such students are required to conform to the Arts requirements in English, modern languages, and science; to take 30 hours in the Social Science group; and to complete 15 hours in some definite subject.

Students who can spend but two years in college before being admitted to the College of Law should register as regular freshmen in the College of Arts and Sciences. Their work should include Latin, English, French, public speaking, brief writing, rhetoric, and perhaps courses in journalism. They should also study ancient and modern, European, English, and especially American history, as well as economics, logic, and psychology, the latter in its relation to criminal law.

COMBINED ARTS AND MEDICAL CURRICULA

The marked increase in the number of pre-medical students in attendance at the university has led to the establishment of definite programs of work for such students. Two years pre-medical work in an Arts college is rapidly becoming the standard requirement for medicine, and with this in view the two-year course has been arranged, which includes the preparatory subjects required by the majority of medical schools. The three-year course has been arranged in connection with an agreement with certain medical schools, which provides that a student who completes three years at this institution may enter the medical school, and receive his bachelor's degree here at the completion of his first year at the medical school. A four-year course will be arranged to meet the needs of students who wish a broader academic training before beginning their distinctly medical studies. Three or four years of academic work are strongly recommended to the prospective student.

College of Technology

The College of Technology provides technical instruction in chemistry, in various branches of engineering, and in pharmacy. The number of hours required for graduation in this college is one hundred and fifty. In such technical curricula it is necessary to prescribe a large proportion of the work; but some elective studies may be chosen in the junior and senior years. Under each of the curricula described below is given a tabulated statement of the subjects pursued and the amount of work required. The college comprises:

Chemical Engineering Curriculum
Chemistry Curriculum
Civil Engineering Curriculum
Electrical Engineering Curriculum
Mechanical Engineering Curriculum
Pharmacy Curricula

The following requirements for graduation are common to all curricula in this college, with the exception of the short Curricula in Pharmacy:

1. Mathematics, the equivalent of two years, five hours a week, except in Chemistry and Chemical Engineering, where one and two-fifths years are required, and in Pharmacy, where one year is required.

2. Science (chemistry, physics, or biology), the equivalent of one year, five hours a week, of which time an important part must be occupied with laboratory work.

3. Language: English, the equivalent of one year, five hours a week; modern foreign language, the equivalent of one year, five hours a week, but the foreign language may not be the one offered for admission except by permission of the Dean of the College of Technology. By permission of his major instructor, a student may transfer not to exceed three semester hours from English to the foreign language which he is taking.

If a student shall offer for admission in addition to the regular admission requirement in foreign language, at least two units of another

COLLEGE OF TECHNOLOGY

modern foreign language, then the above requirement of a five-hour year in one of those languages may be waived by his major instructor. }

At graduation in any of these curricula the student receives the degree of Bachelor of Science; except for the short curricula in Pharmacy where the degrees of Graduate in Pharmacy or Pharmaceutical Chemist are conferred. The diploma indicates which curriculum has been completed.

Maine Technology Experiment Station

By action of the Board of Trustees, June, 1915, the establishment of a Maine Technology Experiment Station was authorized. This station is under the direct control of the President of the University, the Dean of the College of Technology, and the heads of the Departments of Chemistry and Engineering. The Station carries on practical research in engineering subjects, makes investigations for State Boards and municipal authorities, furnishes scientific information to the industries of the State, and distributes accurate scientific knowledge to the people. Bulletins are issued during the college year.

Mr. Burnham entered
with 2 units Latin
2 " French
2 " German
J. H. Bennett

UNIVERSITY OF MAINE

Required Courses

MILITARY SCIENCE AND TACTICS

Military instruction is required by law.

Under normal conditions the Military Department is in charge of an officer of the regular army detailed by the President of the United States. During the present year the university has offered its services to the United States Government as a training camp for a Student Army Training Corps. As soon as adjustment can be made the university will resume its normal work in connection with the Department of Military Science and Tactics.

PHYSICAL CULTURE AND ATHLETICS

Elementary courses in physical training are required of all men students who are physically able to take them. They include class formations and figure marching, setting up drills, and calisthenic exercises. An advanced elective course and a course in practical hygiene are offered to men students.

Women students are required to register for work in physical training which is similar in its character to that taken by the men.

EXPERIMENT STATION

Maine Agricultural Experiment Station

GOVERNMENT OF THE STATION

By authority of the trustees the affairs of the Station are considered by the Station Council (see page 5), composed of the President of the University, three members of the Board of Trustees, the Director of the Station, the heads of the various departments of the Station, the Dean of the College of Agriculture, the Commissioner of Agriculture, and one member each from the State Pomological Society, the State Grange, the State Dairymen's Association, the Maine Live Stock Breeders' Association, and the Maine Seed Improvement Association. The recommendations of the Council are referred to the Trustees for final action. The Director is the executive officer of the Station and the other members of the staff carry out the lines of research that naturally come under their departments.

INCOME

The income of the Station for the year 1916-17 will probably be about \$60,000 from the following sources: Federal government, Hatch and Adams funds, \$30,000; state appropriations for animal husbandry investigations and investigations upon Aroostook Farm, \$5,000 each; sale of produce about \$8,000; analyses for the Commissioner of Agriculture about \$12,000. Thru appropriations to the university the State provides for the cost of printing station publications. This aggregates about \$5,000 annually.

OBJECT

The purpose of the agricultural experiment stations is defined in the Act of Congress establishing them as follows:

"It shall be the object and duty of said experiment stations to conduct original researches or verify experiments on the physiology of

UNIVERSITY OF MAINE

plants and animals; the diseases to which they are severally subject, with the remedies for the same; the chemical composition of useful plants at their different stages of growth; the comparative advantages of rotative cropping as pursued under a varying series of crops; the capacity of new plants or trees for acclimation; the analysis of soils and water; the chemical composition of manures, natural and artificial, with experiments designed to test their comparative effects on crops of different kinds; the adaptation and value of grasses and forage plants; the composition and digestibility of the different kinds of food for domestic animals; the scientific and economic questions involved in the production of butter and cheese; and such other researches or experiments bearing directly on the agricultural industry of the United States as may in each case be deemed advisable, having due regard to the varying conditions and needs of the respective states or territories."

The work that the Station may undertake from the Adams Act fund is more restricted, as the fund may "be applied only to paying the necessary expenses for conducting original researches or experiments bearing directly on the agricultural industry of the United States, having due regard to the varying conditions and needs of the respective states and territories."

EQUIPMENT

Most of the Station offices and laboratories are in Holmes Hall, described on page 23. The Station is well equipped in laboratories and apparatus, particularly in the lines of biological, chemical, entomological, horticultural, pomological, plant pathological, and poultry investigations. It has extensive collections illustrating the botany and entomology of the State. It has a library of over 4,400 volumes comprising agricultural and biological journals and publications of the various experiment stations.

HIGHMOOR FARM

The State Legislature of 1909 purchased a farm upon which the Maine Agricultural Experiment Station "shall conduct scientific investigations in orcharding, corn, and other farm crops." The farm is situated in the counties of Kennebec and Androscoggin, largely in the town of Monmouth. It is on the Farmington branch of the Maine Central Rail-

EXPERIMENT STATION

road, two miles from Leeds Junction. A flag station, "Highmoor," is on the farm.

The farm contains 225 acres, about 200 of which are in orchards, fields, and pastures. There are in the neighborhood of 3,000 apple trees upon the place which have been set from 20 to 30 years. Fields that are not in orchards are well adapted to experiments with corn, potatoes, and similar farm crops. The house has two stories with a large wing, and contains about fifteen rooms. It is well arranged for the Station offices and for the home of the farm superintendent. The barns are large, affording storage for hay and grain. The basement affords limited storage for apples, potatoes, and roots.

AROOSTOOK FARM

By action of the Legislatures of 1913 and 1915 a farm was purchased in Aroostook County for scientific investigations in agriculture to be under "the general supervision, management, and control" of the Maine Agricultural Experiment Station. The farm is in the town of Presque Isle, about two miles south of the village, on the main road to Houlton. The Bangor and Aroostook railroad crosses the farm. A flag station, "Aroostook Farm," makes it easily accessible by rail.

The farm contains about 275 acres, about half of which is cleared. The eight room house provides an office, and home for the farm superintendent. The large barn affords storage for hay and grain and has a large potato storage house in the basement.

INVESTIGATIONS

The Station continues to restrict its work to a few important lines, believing that it is better for the agriculture of the State to study thoroughly a few problems than to spread over the whole field of agricultural science. It has continued to improve its facilities and segregate its work in such a way as to make it an effective agency for research in agriculture. Prominent among the lines of investigation are studies upon the food of man and animals, the diseases of plants and animals, breeding of plants and animals, investigations in animal husbandry, orchard and field experiments, poultry investigations, and entomological research.

UNIVERSITY OF MAINE

INSPECTIONS

The Commissioner of Agriculture is the executive of the laws regulating the sale of agricultural seeds, commercial feeding stuffs, commercial fertilizers, dairy products, drugs, foods, fungicides, and insecticides. The law requires the Commissioner to collect samples and have them analyzed at the Station. The law also requires the Director of the Station to make the analyses and publish the results.

PUBLICATIONS

The Station issues three series of publications: Bulletins, Official Inspections, and Miscellaneous Publications.

The results of the work of investigation are published in part in scientific journals at home and abroad, in U. S. Department of Agriculture publications, and in bulletins of the Station. All of the more important and immediately practical studies are published in the Station Bulletins. The Bulletins for a year form a volume of 300 to 400 pages and together make up the Annual Report. Bulletins are sent to the press of the State, to exchanges, libraries, and scientific workers. Bulletins which contain matter of immediate value to practical agriculture are sent free to residents of Maine whose names are on the permanent mailing list.

The results of the work of inspection are printed in pamphlet form and are termed Official Inspections. About twelve such pamphlets, aggregating 150 to 200 pages, are printed annually, and are bound as an appendix with the Annual Report. Official Inspections are sent to dealers within the State; those that have to do with fertilizers, feeding stuffs, and seeds are sent to farmers, and those reporting food and drugs are sent to a list of several thousand women within the State.

The Miscellaneous Publications consist of newspaper bulletins, circulars, and similar fleeting publications. From twenty to thirty are published each year and are sent to different addresses according to the nature of the subject matter.

On request, the name of any resident of Maine will be placed on the permanent mailing list to receive either or both the Bulletins and Official Inspections as they are published.

SUMMER TERM

Summer Term

The university has maintained a summer term since 1902, with the exception of the summer of 1918, when it was omitted on account of war conditions. It is impossible to state whether or not a summer term will be in session during the summer of 1919. In case a summer term is held, a bulletin describing the courses offered will be prepared early in the year and will be mailed to any who may be interested.

UNIVERSITY OF MAINE

Alumni Associations

GENERAL ASSOCIATION

President, Allen W. Stephens, 1899, 120 West 57th St., New York, N. Y.
Vice President, Elmer J. Wilson, 1907, 15 Clough St., Lynn, Mass.
Recording Secretary, Alumni Secretary, P. W. Monohon, 1914, Orono
Treasurer, James A. Gannett, 1908, Orono
Necrologist, James N. Hart, 1885, Orono

ADVISORY COUNCIL

AT LARGE

	Term Expires
George H. Hamlin, 1873, Orono.....	1917
Albert H. Brown, 1880, Old Town.....	1917
Louis C. Southard, 1875, 601 Tremont Bldg., Boston, Mass.	1918
Charles E. Oak, 1876, 39 Hammond St., Bangor.....	1918
Perley B. Palmer, 1896, Orono.....	1919
Allen W. Stephens, 1899, 120 West 57th St., New York, N. Y.	1919
Paul L. Bean, 1904, State House, Augusta.....	1920
Charles C. Elwell, 1878, 71 College St., New Haven, Conn.	1920
Edward H. Kelly, 1890, 2 Fairmount Park, East, Bangor...	1921
C. Parker Crowell, 1898, 44 Central St., Bangor.....	1921

College of Agriculture

Whitman H. Jordan, 1875, Geneva, N. Y.....	1919
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College of Arts and Sciences

DeForest H. Perkins, 1900, City Hall, Portland.....	1921
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College of Law

Bernard Archibald, 1907.....	1920
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ALUMNI ASSOCIATIONS

College of Technology

George F. Black, 1886, 238 St. John St., Portland..... 1918

SPECIAL ASSOCIATIONS

COLLEGE OF LAW

President, James M. Gillin, 1913, 12 Columbia Building, Bangor

Vice President, Forrest B. Snow, 1909, Bluehill

Secretary, Mark A. Barwise, 1913, 101 Third St., Bangor

Treasurer, Charles H. Reid, Jr. 1903, 7 Hammond St., Bangor

SCHOOL AND TEACHERS' COURSES IN AGRICULTURE

President, Walter S. Jones, 1912, State Hospital, Bangor

Vice Presidents, George P. Fogg, 1908; Arthur W. Richardson, 1913

Secretary-Treasurer, Perley F. Smith, 1912, R. F. D. 1, East Brownfield

LOCAL ASSOCIATIONS

Androscoggin Valley.—President, Walter L. Emerson, 1909; Secretary, Charles B. Hosmer, 1911, 64 Lisbon St., Lewiston

Boston.—President, Louis C. Southard, 1875; Secretary, Leon E. Ryther, Newton Highlands, Mass.

Knox County.—President, S. M. Bird, ex-1907; Secretary, R. S. Sherman, Rockland

New York.—President, Albert E. Mitchell, 1875; Secretary, Ashton H. Hart, 1911, 161 Emerson Pl., Brooklyn, N. Y.

Pacific.—President, George R. Sweetser, 1909; Secretary, Walter W. Black, 1907, 527 Taylor St., Portland, Ore.

Penobscot Valley.—President, J. Harvey McClure, 1905; Secretary, William R. Ballou, 1912, 50 Blackstone St., Bangor

Pittsburgh.—President, J. Wilson Brown, 1899; Secretary, Carl D. Smith, U. S. Bureau of Mines, 40th and Butler Sts.

Washington, D. C.—President, Lore A. Rogers, 1896; Secretary, Henry W. Bearce, 1906, Bureau of Standards

Western.—President, Charles A. Morse, 1879; Secretary, Samuel B. Lincoln, ex-1905, 1231 First National Bank Building, Chicago, Ill.

Western Maine.—President, Albert E. Anderson, 1909; Secretary, Frank Fellows, ex-1910, Federal Court Building, Portland

UNIVERSITY OF MAINE

Appointments

SPEAKERS AT THE JUNIOR EXHIBITION

Frank Isadore Altman, Lawrence, Mass.; Robert Dunning Chellis, Portland; Marjorie Eunice Gooch, Taunton, Mass.; Preston Eugene Lurvey, Island Falls; Edith May Scott, Wolfeboro, N. H.; Ethel Lue Scott, Wolfeboro, N. H.; Abraham Segal, Lewiston; Samuel Weisman, Portland.

MEMBERS OF PHI KAPPA PHI

Frank Irving Cowan, Lisbon Falls; Walter Joseph Creamer, Jr., Bangor; Ruth Crosby, Bangor; Eleanor Bessie Dennis, Bangor; Weston Sumner Evans, South Windham; Helen Wilcox Farrar, East Corinth; Thelma Louise Kellogg, Vanceboro; Callie Hamm Larrabee, Frankfort; Mona Beatrice McWilliams, Bangor; Hugh Curtis McPhee, South Paris; Simon Waldo Moulton, Sebago Lake; Allen Sherman, New Bedford, Mass.; Harold Clayton Swift, Auburn; Ernest Julian Turner, Brewer; Mary Ellen Utecht, Topsham; Lee Vrooman, Greenville.

MEMBERS OF TAU BETA PI

1918

Ernest Victor Cram, Sanford; Walter Joseph Creamer, Jr., Bangor; Everett Ellsworth Emmons, Portland; Weston Sumner Evans, South Windham; Robert Gerry Hurd, Bangor; Charles Neal Merrill, Bangor; Miles Standish Perkins, Worcester, Mass.; Alfred Mason Russell, Rangeley; Thomas Francis Shea, Bangor; Clarence Barrows Springer, Portland; Dolore Frank Theriault, Millinocket; Ernest Julian Turner, Brewer.

APPOINTMENTS

1919

Ivan Stevens Hanson, Winter Harbor; Ray Clifford Hopkins, Camden; Emerson Chase Lawry, Fairfield; Elmer Joseph Wade, Richmond; Vernon Howard Wallingford, Auburn.

MEMBERS OF ALPHA ZETA

1918

Thomas Whitmore Borjesson, Richmond; Clayton Alton Storer, Weld.

1919

Perley Francis Harmon, Caribou; Fred Lot Webster, Farmington.

1920

Edward Carroll Fossett, Bristol.

GENERAL HONORS

Marie Prince Blackman, Peak Island; Frank Irving Cowan, Lisbon Falls; Walter Joseph Creamer, Jr., Bangor; Ruth Crosby, Bangor; Eleanor Bessie Dennis, Bangor; Weston Sumner Evans, South Windham; Helen Wilcox Farrar, East Corinth; Thelma Louise Kellogg, Vanceboro; Callie Hamm Larrabee, Frankfort; Hugh Curtis McPhee, South Paris; Mona Beatrice McWilliams, Bangor; Simon Waldo Moulton, Sebago Lake; Allen Sherman, New Bedford, Mass.; Harold Clayton Swift, Auburn; Ernest Julian Turner, Brewer; Mary Ellen Utecht, Topsham; Lee Vrooman, Greenville.

PRIZES AWARDED

Kidder Scholarship, Ralph Trueman Luce, Farmington.
New York Alumni Scholarship, William Peter Schweitzer, Brooklyn, N. Y.
Pittsburg Alumni Scholarship, Elmer Joseph Wade, Richmond.
Western Alumni Scholarship, Frank Swan Beale, Eastport.
Elizabeth Abbott Balentine Scholarship, Florence Libby Chandler,

UNIVERSITY OF MAINE

Newcastle.

Joseph Rider Farrington Scholarship, Clifford Dawes Denison, Harrison.

Junior Exhibition Prizes, Edith May Scott, Wolfeboro, Samuel Weisman, Portland.

Clarence P. King Prize, Thelma Louise Kellogg, Vanceboro.

Walter Balentine Prize, Ernest Deering Ober, Atkinson.

Kennebec County Prize, Walter Joseph Creamer, Jr., Bangor, Donald Burke Perry, Hallowell.

Franklin Danforth Prize, Hugh Curtis McPhee, South Paris.

Callaghan and Company Prize, Arthur Raymond Sanborn, Island Falls.

Washington Alumni Association Prize, Lee Vrooman, Greenville.

Class of 1908 Commencement Cup, Class of 1872.

Fraternity Scholarship Cup, Phi Eta Kappa.

Freshman Scholarship Cup, Sigma Chi.

COMMENCEMENT

Commencement

The Commencement exercises of 1918 were as follows:

FRIDAY, MAY 17

- 5:00 P. M. Phi Kappa Phi Initiation, the Library
- 6:00 P. M. Phi Kappa Phi Banquet, the Commons
- 8:30 P. M. Concert by the Musical Clubs, Assembly Hall

SATURDAY, MAY 18

- 10:00 A. M. King Prize Essays, Assembly Hall
- 10:00 A. M. Law Alumni Meeting, Stewart Hall, Bangor
- 2:00 P. M. Alumni Meeting, the Library
- 2:30 P. M. Class Day Exercises, Assembly Hall
- 8:00 P. M. "A Pair of Spectacles" by the Maine Masque, Assembly Hall

SUNDAY, MAY 19

- 10:30 P. M. Baccalaureate Address, Rev. Henry E. Dunnack, of Augusta, Assembly Hall
- 2:00 to 4:00 P. M. Open House at the President's House
- 3:00 to 5:00 P. M. Open House at the Fraternity Houses

MONDAY, MAY 20

- 9:30 A. M. Commencement, Assembly Hall
- 12:00 M. Luncheon, Gymnasium
- 8:00 P. M. Commencement Ball, Gymnasium

UNIVERSITY OF MAINE

Degrees Conferred

College of Agriculture

BACHELOR OF SCIENCE

WALTER BOWEN AIKINS (in Dairy Husbandry)	South Windham
HOWARD LEROY ANNIS (in Forestry)	Lincoln Center
MARIE PRINCE BLACKMAN (in Home Economics)	Peak Island
THOMAS WHITMORE BORJESSON (in Animal Husbandry)	Richmond
LEWIS TRACY CALHOUN (in Forestry)	Bridgeport, Conn.
PRESTON BERLIN CHADBOURNE (in Dairy Husbandry)	Harmony
RUTH CROSBY (in Home Economics)	Bangor
WINBURN ALBERT DENNETT (in Horticulture)	Hopedale, Mass.
KATHRYN MAY DOW (in Home Economics)	Searsport
HARRY ARTHUR ELLSWORTH (in Dairy Husbandry)	Farmington
SUMNER AUGUSTUS HALL (in Dairy Husbandry)	Woodfords
CARL STRONG JOHNSON (in Dairy Husbandry)	Easthampton, Mass.
HERBERT RANDALL LEMONT (in Forestry)	Bath
HUGH CURTIS MCPHEE (in Agronomy)	South Paris
BEATRICE LOUISE MATHESON (in Home Economics)	Bangor
MARGUERITE FRANCES MERRILL (in Home Economics)	Mechanic Falls
RAYMOND LOWELL MERRITT (in Horticulture)	Brooks
WILLIAM ROBERT MURPHY (in Dairy Husbandry)	Old Town
JAMES LESTER MORSE (in Animal Husbandry)	Bath
GEORGE CHAPMAN NORTON (in Horticulture)	Strong
ROBERT BROWN PARMENTER (in Forestry)	Lincolnville
FERDINAND JOSIAH PENLEY (in Dairy Husbandry)	Auburn
CARLTON LINCOLN PERKINS (in Forestry)	Newburyport, Mass.
JESSIE MARIE PINKHAM (in Home Economics)	Farmington
HOLLIS LEROY RAMSDELL (in Dairy Husbandry)	West Lubec
MARY FREDRICA ROBIE (in Home Economics)	Gorham
CHARLOTTE FERNE ROSS (in Home Economics)	Gardiner
REBA CLEAVES SHAW (in Home Economics)	Orono
CLAYTON ALTON STORER (in Dairy Husbandry)	Weld

DEGREES CONFERRED

HAROLD CLAYTON SWIFT (in Dairy Husbandry).....	Auburn
JOANNA MARY THAANUM (in Home Economics).....	Winthrop
DWIGHT WILSON TURNER (in Dairy Husbandry).....	Buckfield
LEE VROOMAN (in Horticulture).....	Greenville
RALPH CARLTON WENTWORTH (in Animal Husbandry).....	Denmark
CLYDE LAMKIN WILKINS (in Horticulture).....	Wilton

College of Arts and Sciences

BACHELOR OF ARTS

VOYLE EBEN ABBOTT (Economics & Sociology).....	Albion
HARVARD WILBUR BLAISDELL (Economics & Sociology).....	North Sullivan
ROBERT EMERSON BRACKETT (Physics).....	Orono
RUTH BARTLETT CHALMERS (French).....	Bangor
BERYL ELIZA CRAM (English).....	New Sharon
ELEANOR BESSIE DENNIS (German).....	Bangor
HELEN WILCOX FARRAR (English).....	East Corinth
DOROTHY LOUISE FOLSOM (German).....	Norridgewock
MARIE ALICE FRAWLEY (Spanish).....	Bangor
VERA ELVIRA GELLERSON (English).....	Houlton
PAULINE DERBY HASKELL (German).....	Bangor
THELMA LOUISE KELLOGG (English).....	Vanceboro
CALLIE HAMM LARRABEE (Biology).....	Frankfort
ROSCOE SAMUEL LEWIS (History).....	Auburn
MONA BEATRICE MCWILLIAMS (German).....	Bangor
SIMON WALDO MOULTON (Economics & Sociology).....	Sebago Lake
GLADYS GAGE REED (German).....	Bangor
ROBERT RICH (Economics & Sociology).....	Berlin, N. H.
EDGAR RAYMOND RING (Economics & Sociology).....	Orono
DORIS ETHEL RUSSEII (Biology).....	Orono
ALBERT LELAND SHAW (Economics & Sociology).....	Lewiston
HELEN LOGGIE STUART (German).....	Bangor
HELEN LOUISE STINCHFIELD (Latin).....	Danforth
MARY ELLEN UTECHT (English).....	Topsham
HARRY LINCOLN WHITE (French).....	Belfast
ALBERT WHITTIER WUNDERLICH (Economics & Sociology)	Arlington, Mass.

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BACHELOR OF PEDAGOGY

RALPH GILBRAITH OAKES.....	Famington Falls
EVELYN MARGUERITE WAUGH.....	Winthrop

College of Law

BACHELOR OF LAWS

ROBERT RANDOLPH COHEN.....	Bangor
RALPH HUBERT COUETTE.....	Bangor
FRANK IRVING COWAN (A. B. Bowdoin, 1913).....	Portland
WALLACE EDGAR CROWLEY.....	Cleveland, Ohio
JAMES CODMAN DEWOLFE.....	Portland
JAMES AUGUSTINE GALLAGHER.....	Bangor
GEORGE LESTER HALE.....	Belfast
REUBIN LEVIN.....	Manchester Depot, Vt.
FRED MILTON LORING (A. B. Bates, 1910).....	Auburn
NAPOLEAN ALPHONSE MARCOU.....	Waterville
WILLIAM JOSEPH McGRATH.....	Bangor
ABRAHAM MORRIS.....	Bangor
ALLEN SHERMAN (A. B. Dartmouth, 1915).....	New Bedford, Mass.
DIXON FREDERICK VANCORE.....	Colebrook, N. H.

College of Technology

BACHELOR OF SCIENCE

ADRIEL FALES BARNARD (in Mechanical Engineering).....	Bucksport
WILLIAM HENRY BRANSFIELD (in Electrical Engineering).....	Willimantic, Conn.
CLIFFORD BROWN (in Civil Engineering).....	Portland
THURSTON DANIEL CARLSON (in Electrical Engineering).....	Hopedale, Mass.
GEORGE MELVIN CARLTON (in Electrical Engineering).....	Woolwich
FRANCIS DEERING CHAPIN (in Mechanical Engineering).....	Saco
WALTER JOSEPH CREAMER, JR. (in Electrical Engineering).....	Bangor
CARL BYRON CROSBY (in Electrical Engineering).....	Brownville
MELVIN LINWOOD DAVIS (in Electrical Engineering).....	Sabattus
STEPHEN MERLE DUNHAM (in Mechanical Engineering).....	Lewiston
WESTON SUMNER EVANS (in Civil Engineering).....	South Windham

DEGREES CONFERRED

ROBERT HENRY HAWTHORNE (in Civil Engineering).....	Brownville
FRANCIS HEAD (in Civil Engineering).....	Bangor
EUGENE FRANCIS HICKSON (in Chemical Engineering).....	Bangor
ROGER BENSON HILL (in Chemistry).....	Peabody, Mass.
LOUIS WILLIAM HOGAN (in Electrical Engineering).....	Houlton
HENRY STIMSON HOOPER (in Chemistry).....	Orono
ROBERT GERRY HURD (in Chemical Engineering).....	Orono
HAROLD NORTON JONES (in Electrical Engineering).....	Peabody, Mass.
RALPH MELVIN LEIGHTON (in Chemistry).....	Bar Harbor
DONALD MAXWELL LIBBY (in Electrical Engineering).....	Limerick
FRANK DEXTER LIBBY (in Chemical Engineering).....	Gardiner
FRANCIS THOMAS McCABE (in Electrical Engineering)....	Worcester, Mass.
CHARLES NEAL MERRILL (in Chemical Engineering).....	Bangor
ISAIAH LEAVITT NEWMAN (in Mechanical Engineering).....	East Wilton
ARTHUR BARTHOLOMEW O'BRION (in Pharmacy).....	Portland
DONALD BURKE PERRY (in Electrical Engineering).....	Hallowell
ALFRED MASON RUSSELL (in Mechanical Engineering).....	Rangeley
THOMAS FRANCIS SHEA (in Civil Engineering).....	Bangor
AUBREY JOHNSON SPRATT (in Mechanical Engineering).....	Bar Harbor
CLARENCE BARROWS SPRINGER (in Electrical Engineering).....	Portland
ERNEST JULIAN TURNER (in Chemical Engineering).....	Brewer

Graduate in Pharmacy

WILLIAM JOSEPH BURGOYNE.....	Fort Kent
JACOB JOSEPH DAVIS.....	Bangor
SIDNEY CLYDE FOLSOM.....	Corinna
FREDERIC EUGENE PERKINS.....	Bangor
ISAAC SMARGONSKY.....	Ashland

Advanced Degrees

MASTER OF ARTS

AVA HARRIET CHADBOURNE (Education) (B. A. Maine, 1915).....	Orono
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CHEMICAL ENGINEER

PAUL DECOSTER BRAY (B. S. 1914).....	Bangor
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UNIVERSITY OF MAINE

CIVIL ENGINEER

HAROLD WALTER LEAVITT (B. S. 1915).....Orono
MERTON ROGERS SUMNER (B. S. 1911).....Ellston, Md.

Certificates

IN HOME ECONOMICS

MARY ELIZABETH McCANN.....Bangor
THERESA HELEN PRETTO.....Bangor

IN THE SCHOOL COURSE IN AGRICULTURE

HENRY STYLES BRIDGES.....West Pembroke
AUBREY HERMAN JOHONNETT.....Pittsfield
HOWARD ERNEST KYES.....North Jay
EDMUND ROBERT LAPOINT.....Orono
ARLO LEE REDMAN.....Belfast
CHARLES ALEXANDER SAWYER.....Thomaston
BERTRAM TOMLINSON.....Philadelphia, Penna.
RALPH EDWARD WARREN.....Lisbon Falls
RALPH JONES WHEELER.....Brewer

WOMEN STUDENTS

Catalog of Students

Major subjects are indicated as follows: Ag. Agronomy, An. Animal Industry, Bc. Biological Chemistry, Bl. Biology, Ch. Chemistry, Ch. Eng. Chemical Engineering, Ce. Civil Engineering, Dh. Dairy Husbandry, Es. Economics, Ed. Education, Ee. Electrical Engineering, Eh. English, Fy. Forestry, Fr. French, Gm. German, Gk. Greek Civilization, Hy. History, He. Home Economics, Ht. Horticulture, Lt. Latin, Ms. Mathematics, Me. Mechanical Engineering, Ph. Poultry Husbandry, Pm. Pharmacy, Pl. Philosophy, Pp. Plant Pathology, Ps. Physics, Si. Spanish and Italian.

The figures in parentheses indicate the number of credit hours the student has earned by previous attendance. The numbers 18, 19, and 20 indicate that S. A. T. C. students were expected to remain in college three, two, and one term respectively. The letters have the following meanings:

- A—Infantry, Coast or Field Artillery
- B—Aviation
- C—Quartermaster's Corps or Ordnance
- D—Engineering or Signal Corps or Chemical Warfare Service
- F—Premedical Course
- G—Naval Section

WOMEN STUDENTS

Angley, Florence Regina, Arts	<i>Bangor</i>	
		410 Hammond St., Bangor
Armstrong, Rhandena Ayer, He.	<i>Rockland</i>	Balentine Hall
Barker, Corinne Maude, Hy. (69)	<i>South Brewer Mt.</i>	Vernon House
Barker, Iva Viola, He. (53)	<i>Auburn</i>	Balentine Hall
Barrett, Françoise Hildegard, Arts	<i>Caribou</i>	Balentine Hall
Bartlett, Frances Dorothea, He. (74)	<i>Orono</i>	148 College Street
Beaulieu, Jennie Christina, Fr. (94)	<i>Old Town</i>	Old Town
Beale, Clara Helen, Fr. (60½)	<i>Orono</i>	33 Peters Street

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Bean, Achsa Mabel, Eh. (31½)	<i>Detroit</i>	Balentine Hall
Bird, Madeline, Sp. (44)	<i>Rockland</i>	Balentine Hall
Bissonette, Helena Marie, Arts	<i>Winthrop</i>	Balentine Hall
Blethen, Margaret, Fr. (37½)	<i>Foxcroft</i>	Balentine Hall
Bowen, Rachel Leighton, He. (35)	<i>Bangor</i>	Mt. Vernon House
Brackett, Phyllis Mildred, Arts	<i>Weston</i>	Balentine Hall
Bragdon, Helen Elizabeth, Arts	<i>Franklin</i>	Balentine Hall
Bragg, Marion Katharyn, Lt. (32)	<i>Bangor</i>	College Street
Bussell, Dorothea Mabel, Sp. (68½)	<i>Old Town</i>	Old Town
Campbell, Rena, He. (36½)	<i>Sabattus</i>	Balentine Hall
Carl, Hazel Belva, He.	<i>Bingham</i>	Balentine Hall
Chamberlain, Lucy Elizabeth, Arts	<i>Houlton</i>	Balentine Hall
Chandler, Florence Libby, Bl. (65)	<i>Newcastle</i>	Balentine Hall
Chase, Elizabeth Miller, Es. (63)	<i>Orono</i>	143 Main Street
Chase, Martha Durgin, He.	<i>Sebec Station</i>	Balentine Hall
Chase, Olive, Lt. (61)	<i>Bluehill</i>	Balentine Hall
Clarke, Eleanor Laura, Eh. (62)	<i>Pemaquid</i>	Balentine Hall
Collins, Ida Merrill, Arts	<i>Caribou</i>	Balentine Hall
Connor, Rachel Genevieve, He.	<i>Bangor</i>	60 Fern Street, Bangor
Coombs, Ruth Milton, He.	<i>Bangor</i>	
		118 Leighton Street, Bangor
Crehore, Sarah Elizabeth, He.	<i>LaGrange</i>	Balentine Hall
Curran, Anne Genevieve, Eh. (96½)	<i>Old Town</i>	Old Town
Curran, Frances Elizabeth, He.	<i>Bangor</i>	112 Birch Street, Bangor
Curran, Helen Frances, Eh. (32½)	<i>Old Town</i>	Old Town
Cutler, Fannie Rebecca, Arts	<i>Old Town</i>	Old Town
DeBeck, Leona Louise, Arts	<i>Franklin</i>	Balentine Hall
Deering, Edith Idella, Ms. (33½)	<i>Hollis Center</i>	Balentine Hall
Dolloff, Ardis Eleta, Arts	<i>Old Town</i>	Balentine Hall
Downes, Helen Lucena, Arts	<i>Winterport</i>	Balentine Hall
Dunn, Barbara, Eh. (61)	<i>Orono</i>	51 Bennoch Street
Dunn, Lillian Ring, Arts	<i>Orono</i>	51 Bennoch Street
Dunning, Ella Frances, Eh. (29½)	<i>Topsham</i>	Balentine Hall
Duran, Beulah Lillian, Arts	<i>East Corinth</i>	Balentine Hall
Dyer, Isabel Hayden, Bl. (74½)	<i>Cape Elizabeth</i>	
		Mt. Vernon House
Eastman, Madeliene Gladys, Fr. (32½)	<i>Old Town</i>	Old Town
Elliott, Priscilla Goldthwaite, Lt. (69½)	<i>Gulford</i>	Mt. Vernon House

WOMEN STUDENTS

Epstein, Anna Pauline, Fr. (107)	<i>Bangor</i> 303 Essex Street, Bangor
Evans, Lucy Claire, Arts	<i>Bangor</i> Howard Street, Bangor
Farnham, Gertrude Marion, He.	<i>Alfred</i> Balentine Hall
Farrar, Clarissa Palmer, Ms. (70½)	<i>Princeton</i> Balentine Hall
Flint, Eleanor, Ms. (17)	<i>West Baldwin</i> Mt. Vernon House
French, Marion Elizabeth, Sp. (71½)	<i>Fort Fairfield</i> Balentine Hall
French, Minerva Evelyn, Ps. (65)	<i>Woolwich</i> Balentine Hall
Furbish, Helen Lincoln, He.	<i>Brunswick</i> Mt. Vernon House
Furbush, Corinne Louise, Arts	<i>Bangor</i> Mt. Vernon House
Getchell, Angela Elizabeth, He. (66½)	<i>Orono</i> 2 Forest Avenue
Gilman, Elva, Hy. (57)	<i>South Portland</i> Balentine Hall
Gilman, Leona Mae, He. (76)	<i>Woodfords</i> Balentine Hall
Gilpatrick, Julia Thompson, Fr. (30)	<i>Northeast Harbor</i> Balentine Hall
Gooch, Marjorie Eunice, He. (110)	<i>Taunton, Mass.</i> Balentine Hall
Goodrich, Muriel Frances, Arts	<i>Orono</i> 2 Island Avenue
Gorden, Kathryn Elizabeth, Sp. (72½)	<i>Livermore Falls</i> Balentine Hall
Gould, Antoinette Walker, Arts	<i>Bangor</i> Mt. Vernon House
Gould, Gladys Marie, He.	<i>Milo</i> Balentine Hall
Granger, Anna Caroline, He.	<i>Calais</i> Balentine Hall
Gray, Edythe Dorothea, He.	<i>Jacksonville</i> Balentine Hall
Gray, Mildred, He.	<i>Jacksonville</i> Balentine Hall
Hackett, Ruby Marie, Fr. (35½)	<i>New Vineyard</i> Mt. Vernon House
Haley, Blanche Lillian, He. (113½)	<i>South Brewer</i> Mt. Vernon House
Hall, Ella May, He. (112)	<i>Brewer</i> Mt. Vernon House
Hall, Ruth Henrietta, He.	<i>Dexter</i> Balentine Hall
Hamm, Carol May, Lt. (32½)	<i>Bangor</i> Balentine Hall
Hanington, Dorothy Lyman, He. (36½)	<i>Calais</i> Balentine Hall
Harden, Anna Sophia, Fr. (31)	<i>South Brewer</i> Mt. Vernon House
Harmon, Alice Hope, Ch.	<i>Gardiner</i> Balentine Hall
Hart, Dorothy Endicott, Fr. (29½)	<i>Essex, Mass.</i> Balentine Hall
Harthorn, Marion Louise, Fr. (95½)	<i>Milford</i> Balentine Hall
Haskins, Elwyna Lewis, He. (114)	<i>Saco</i> Balentine Hall
Hathorne, Helen Louise, He.	<i>Orono</i> R.F.D. #7, Bangor

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Hersey, Lilla Clarke, Es. (33)	<i>Bangor</i>	Mt. Vernon House
Hill, Pauline Marguerite, Arts	<i>Old Town</i>	Old Town
Hitchings, Kathryn Estella, Sp. (93½)	<i>Caribou</i>	Balentine Hall
Hodgdon, Grace Hilda, Ms. (45)	<i>East Boothbay</i>	Balentine Hall
Hopkins, Adele Cecilia, Fr. (122)	<i>Old Town</i>	Old Town
Hurley, Alice Mary, Fr. (106)	<i>Frankfort</i>	Old Town
Jackson, Mary Eleanor, He. (68)	<i>Everett, Mass.</i>	Balentine Hall
Johonnett, Helen Rowe, Hy. (99½)	<i>Pittsfield</i>	Balentine Hall
Jones, Alice Ward, Fr. (31)	<i>Carmel</i>	Balentine Hall
Jordan, Ruth, Eh. (70½)	<i>Old Town</i>	Old Town
Keating, Anna Josephine, Fr. (31½)	<i>Camden</i>	Balentine Hall
Kilby, Lucy Helen, Ag. (36)	<i>Eastport</i>	Balentine Hall
King, Corinne Mary, Fr. (75)	<i>Orono</i>	7 Summer Street
Kingsbury, Dorothy Vivian, He.	<i>East Corinth</i>	Balentine Hall
Kritter, Emilie Angelina, Eh. (38½)	<i>Bradford, Mass.</i>	Balentine Hall
Lancey, Ardis Elizabeth, He.	<i>Hartland</i>	Balentine Hall
Leonard, Louise, Lt. (34½)	<i>Bangor</i>	Balentine Hall
Little Nellie Ursula, Fr. (100)	<i>Portland</i>	Mt. Vernon House
Littlefield, Doris, Eh. (70)	<i>Stratham, N. H.</i>	Balentine Hall
Lloyd, Katherine Marie, Eh. (103½)	<i>Brewer</i>	Brewer
Lowell, Doris Lillian, Arts	<i>Old Town</i>	Old Town
McCrystle, Kathleen Emily, Ms. (63½)	<i>Berlin, N. H.</i>	Mt. Vernon House
McFarland, Ella Johnston, Hy. (68)	<i>New Harbor</i>	Balentine Hall
McLaughlin, Regina Victoria, He.	<i>Waldoboro</i>	Balentine Hall
McLean, Mary Almeda, Arts	<i>North Anson</i>	Balentine Hall
MacLeod, Florence Evelyn, Fr. (63)	<i>Old Town</i>	Mt. Vernon House
Macfadden, Marguerite, Arts	<i>St. Albans</i>	Balentine Hall
Mansur, Pauline, Eh. (91)	<i>Bangor</i>	Mt. Vernon House
Maxfield, Gladys Eleanor, Fr. (32½)	<i>Bangor</i>	Balentine Hall
Merrill, Doris Pauline, Eh. (70½)	<i>Bluehill</i>	Balentine Hall
Merservie, Elva Clista, Arts	<i>Morrill</i>	Balentine Hall
Miller, Pauline Esther, Eh. (31½)	<i>Bangor</i>	Mt. Vernon House
Morrill, Florence Julia, He. (36½)	<i>Portland</i>	Balentine Hall
Nason, Frances Sarah, He.	<i>Hampden Highlands</i>	Balentine Hall

WOMEN STUDENTS

Nason, Ida Estelle, He.	<i>Hampden Highlands</i>	Balentine Hall
Norell, Minnie Elvera, Arts	<i>Caribou</i>	Balentine Hall
Northrup, Christine Adelia, Lt. (108½)	<i>Palermo</i>	Balentine Hall
O'Brien, Gertrude Mary, Arts	<i>Medford, Mass.</i>	Balentine Hall
Oliver, Mildred Phillips, Arts	<i>Bangor</i>	Balentine Hall
Packard, Irene Mae, He.	<i>Carmel</i>	Balentine Hall
Palmer, Beatrice Chase, Eh. (68)	<i>Bangor</i>	
	14 Garland Street, Bangor	
Peabody, Gertrude Devitt, He. (76)	<i>Princeton</i>	Balentine Hall
Perkins, Hope, He.	<i>North Brooksville</i>	Balentine Hall
Peterson, Ida Miller, Ped. (62½)	<i>Columbia Falls</i>	Balentine Hall
Petersen, Marie Handsenia, Ped. (102½)	<i>Portland</i>	Mt. Vernon House
Phillips, Cora Mae, Hy. (35)	<i>Northeast Harbor</i>	
		Mt. Vernon House
Pratt, Fannie Louise, He. (111½)	<i>North New Portland</i>	
		Balentine Hall
Pratt, Flora Mabel, He.	<i>Dover</i>	167 Main Street
Prince, Jessie May, Es. (104½)	<i>Yarmouth</i>	Mt. Vernon House
Pulsifer, Helen Lucia, He.	<i>Auburn</i>	Balentine Hall
Pulsifer, Mary Augusta, He. (75½)	<i>Auburn</i>	Balentine Hall
Reed, Helen Pierpont, Sp. (18)	<i>Bangor</i>	Mt. Vernon House
Rhoda, Marion Berenice, Lt. (36½)	<i>Houlton</i>	Balentine Hall
Richardson, Flavia Lucile, Ms. (64½)	<i>Old Town</i>	Old Town
Rose, Hester Miles, Eh. (93½)	<i>Brooks</i>	Mt. Vernon House
Russell, Cora Frances, Arts	<i>Bangor</i>	Balentine Hall
Salley, Florence Ulmer, Fr. (32½)	<i>Bangor</i>	Balentine Hall
Sargent, Catharine Clapp, Arts	<i>Sargentville</i>	Mt. Vernon House
Sawyer, Ethel Beatrice, Fr. (104½)	<i>South Portland</i>	Balentine Hall
Sawyer, Thelma Inga, Arts	<i>Garland</i>	Mt. Vernon House
Scott, Edith May, Eh. (103½)	<i>Wolfeforo, N. H.</i>	Balentine Hall
Scott, Ethel Lue, Eh. (104)	<i>Wolfeforo, N. H.</i>	Balentine Hall
Shepherd, Ruth Burleigh, Arts	<i>Dexter</i>	Balentine Hall
Small, Ruth Mildram, He. (33½)	<i>Auburn</i>	Balentine Hall
Smith, Bernice, Eh. (20½)	<i>Bangor</i>	Balentine Hall
Smith, Dorothy, Sp. (32)	<i>Bangor</i>	Mt. Vernon House

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Smith, Faye, Eh. (96)	<i>Machias</i>	Mt. Vernon House
Smith, Lucille Estelle, Eh. (36½)	<i>Brewer</i>	Balentine Hall
Smith, Pauline Chambers, Lt. (33½)	<i>Houlton</i>	Balentine Hall
Snow, Eveline Foster, He. (75)	<i>Rockland</i>	Balentine Hall
Snow, Kathleen Mary, Eh. (69)	<i>Rockland</i>	Balentine Hall
Spaulding, Margaret Adessa, He.	<i>Norridgewock</i>	Balentine Hall
Stetson, Dorothea Hayward, Sp. (66½)	<i>Houlton</i>	Balentine Hall
Stewart, Katherine Dudley, Ms. (33)	<i>Bangor</i>	Mt. Vernon House
Stowe, Frances Dillingham, Arts	<i>Old Town</i>	Old Town
Stubbs, Marian Esther, He. (112½)	<i>Bucksport</i>	Mt. Vernon House
Sullivan, Ruth Butler, Es. (39½)	<i>Bangor</i>	Mt. Vernon House
Tague, Blanche Paulina, Sp. (28½)	<i>North New Portland</i>	Balentine Hall
Thomas, Marion Louise, He. (139)	<i>Newburyport, Mass.</i>	Balentine Hall
Thompson, Mabel Ogilvie, Arts	<i>Houlton</i>	Balentine Hall
Thorpe, Mary Ellen, Arts	<i>Presque Isle</i>	Balentine Hall
Tibbetts, Marguerite Josephine, Arts	<i>Bangor</i>	Mt. Vernon House
Tibbetts, Marie Morris, Arts	<i>Columbia Falls</i>	Balentine Hall
Trefethen, Dorothy, He.	<i>Wilton</i>	Balentine Hall
Turner, Constance Marion, He.	<i>Gardiner</i>	Balentine Hall
Twitchell, Edythe Gertrude, Arts	<i>Old Town</i>	Balentine Hall
Violette, Augusta Genevieve, Arts	<i>Milford</i>	Milford
Waugh, Evelyn Marguerite, Hy. (151)	<i>Winthrop</i>	Balentine Hall
Weatherbee, Effie May, Eh. (36½)	<i>Foxcroft</i>	Balentine Hall
Weeks, Victoria Olive, Eh. (86½)	<i>Winslow</i>	Balentine Hall
Wessenger, Hester Mary, Eh. (16½)	<i>Masardis</i>	Balentine Hall
Weymouth, Leta Florence, Fr. (19)	<i>Howland</i>	Balentine Hall
Wheeler, Ella Adams, Eh. (98½)	<i>Bangor</i>	Mt. Vernon House
Wheeler, Mary Bruce, Arts	<i>Bangor</i>	Mt. Vernon House
Whitcomb, Marjorie Emeline, Arts	<i>Houlton</i>	Balentine Hall
Whiting, Alice Merriam, Eh. (30½)	<i>East Winthrop</i>	Balentine Hall
Whitney, Bernice Marion, He. (73½)	<i>Thomaston</i>	Balentine Hall

GRADUATE STUDENTS

Willey, Nerita Thorndike, Arts	<i>Camden</i>	Balentine Hall
Witherell, Sarah Imogene, He. (31)	<i>Sabattus</i>	Campus
Woodbury, Martha Lander, Lt. (30)	<i>Dover</i>	Balentine Hall
Wray, Ruth Arline, Eh. (66½)	<i>Brewer</i>	Brewer
Young, Bernice Burrowes, Arts	<i>Bangor</i>	68 Grant Street, Bangor

GRADUATE STUDENTS

Sherman, Allen, A. B., LL. B., Law Dartmouth, 1915; Maine, 1918	<i>Orono</i>	67 Main Street
Whitaker, Edith Swan, A. B., A. M., Bl. Radcliffe, 1916, 1917	<i>Orono</i>	36 College Street

COLLEGE OF LAW

Fowler, Charles Murray (16) University of New Brunswick	<i>Presque Isle</i>	8 Mill Street
Hitchings, Herbert William (82) Maine	<i>Caribou</i>	Mill Street
Sanborn, Arthur Raymond (51)	<i>Island Falls</i>	8 Mill Street
Walsh, Francis Allison (51) St. Joseph College	<i>Bangor</i>	240 French Street, Bangor

SPECIAL STUDENTS

Blake, Abigail Kincaid, Ps.	<i>Orono</i>	80 Forest Avenue
Kidder, Helen Gertrude, He.	<i>Waterville</i>	Balentine Hall
Morris, Viola Louise, Bl. (8)	<i>Orono</i>	50 Pine Street
Porter, Lawrence Delson, Arts	<i>Brewer</i>	Brewer
Tracy, Hudson Everett, Ch.	<i>Orono</i>	56 Park Street

SCHOOL COURSE IN AGRICULTURE

Limeburner, Myles Grindle	<i>North Brooksville</i>	Civilian House
Lord, Sherman Emery	<i>West Lebanon</i>	Campus
Scamman, Albert Fremont	<i>Phillips</i>	Bennoch Street

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CIVILIAN MEN STUDENTS

Bayard, Clayton Crowell, Arts	<i>Orono</i>	76 Main Street
Blake, Foster Batchelder, Eng.	<i>Sedgewick</i>	Civilian House
Boothby, Clinton Robert, Ee.	<i>Livermore Falls</i>	Civilian House
Chen, Lich Hsun, Ch. Eng. (75)	<i>Hangchow, China</i>	3 Middle Street
Clark, James William, Arts	<i>Amesbury, Mass.</i>	Civilian House
Conant, Harold Frederick, Eng.	<i>Fort Fairfield</i>	Civilian House
Courtney, Roger Davis, Ee. (42½)	<i>Boston, Mass.</i>	7 Pleasant Street
Craig, Ira Caswell, Ee. (118½)	<i>Millinocket R. F. D. #7, Bangor</i>	
Croxford, Lyndon Farrington, Arts	<i>Carmel</i>	149 Main Street
Deering, Lawrence Ezekiel, Ee. (73½)	<i>Hollis Center</i>	Box 23, Orono
DeRocher, James Edward, Ch. Eng. (21½)	<i>East Orland</i>	Pleasant Street
Eaton, Charles Freedom, Arts	<i>Princeton</i>	Bennock Street
English, Oliver Spurgeon, Arts	<i>Presque Isle</i>	Civilian House
Fernald, Roy Lynde, Arts	<i>Winterport</i>	Civilian House
Goldberg, Irving Albert, Arts	<i>Hartford, Conn.</i>	Civilian House
Gran, John Edward, Ch. Eng. (37)	<i>West Wareham, Mass.</i>	Civilian House
Grant, Paul Abbott, Eng.	<i>Monroe</i>	Civilian House
Hopkins, Sumner Phelps, Arts	<i>Greenfield, N. H.</i>	Civilian House
Jordan, Shirley Webster, Eng.	<i>Mechanic Falls</i>	Civilian House
McCrystle, John Darwin, Ch. Eng.	<i>Berlin, N. H.</i>	Civilian House
Mahany, J. Luman Paul, Eng.	<i>Easton</i>	Civilian House
Murphy, Paul Edward, Es. (22)	<i>Guilford</i>	Civilian House
Osborne, Donald Caldwell, Ee. (37)	<i>Fort Fairfield</i>	Main Street
Patterson, Parker William, Ce.	<i>Winslow</i>	Civilian House
Ray, Homer Franklin, Ch. Eng.	<i>St. Albans</i>	61 Bennock Street
Raymond, LaForest Francis, Ce.	<i>North Haven</i>	Civilian House
Reynolds, Silas Sprague, Ee.	<i>Monmouth</i>	Civilian House
Severance, George Austin, Ce.	<i>Old Town</i>	Old Town
Sutherland, Ralph Homer, Ch. Eng.	<i>Portage</i>	Civilian House
Swan, Theodore Pease, Eng.	<i>Old Town</i>	Old Town
Turner, Henry Page, Eng.	<i>Casco</i>	Civilian House
Wang, Tai Chi, Ch. Eng. (75)	<i>Peking, China</i>	3 Middle Street
White, Philip Rodney, Arts	<i>Sebago</i>	Civilian House
Young, Kenneth Thwing, BL (86½)	<i>Arlington, Mass.</i>	8 Mill Street

STUDENTS' ARMY TRAINING CORPS

STUDENTS' ARMY TRAINING CORPS

Abbott, Clarence John, Jr., A 19	<i>Worcester, Mass.</i>	Co. D
Ackley, Adrian Lowell, A 19	<i>Peak Island</i>	Co. D
Adams, Andrew, D 20 (39)	<i>Portland</i>	Co. D
Adams, James Campbell, G 20 (71½)	<i>Cherryfield</i>	Naval Unit
Adams, Raymond Taylor, G 18	<i>Bangor</i>	Naval Unit
Allen, Clarence Edward, G 20	<i>Bangor</i>	Naval Unit
Allen, Earle Francis, D 18	<i>Augusta</i>	Co. D
Allen, Embert Ulric, D 18	<i>Columbia Falls</i>	Co. D
Allen, Herbert Moody, A 20	<i>Wilton</i>	Co. C
Allen, William Henry, G 20 (87½)	<i>Brownville Junction</i>	Naval Unit
Anderson, Earl Clifford, A 20	<i>Ellsworth</i>	Co. C
Anderson, Edwin Dewey, D 20	<i>Camden</i>	Co. B
Anderson, Ellerth William, C 20 (38)	<i>Caribou</i>	Co. D
Anderson, William Henry, D 20 (70)	<i>Bangor</i>	Co. C
Andrews, Elberton Reginald, D 19	<i>West Rockport</i>	Co. B
Archer, Ceylon Richard, A 18	<i>Bangor</i>	Co. B
Armstrong, Paul Shattuck, D 20 (38)	<i>Malden, Mass.</i>	Co. D
Atwood, Gilbert Humphrey, D 20 (42½)	<i>Brooklyn, N. Y.</i>	Co. D
Austin, Chester Jordan, D 19 (35½)	<i>Greene</i>	Co. D
Averill, Walter Boardman, G 18 (45½)	<i>Stillwater</i>	Naval Unit
Avery, Willard Crissey, D 20 (73)	<i>Stamford, Conn.</i>	Co. B
Babb, Raymond Holden, C 20	<i>West Sebago</i>	Co. D
Badger, Ralph Lander, A 19	<i>Guilford</i>	Co. B
Bailey, Philip Raymond, B 19 (28½)	<i>Foxcroft</i>	Co. B
Baird, Carl Alfred, A 18	<i>Hartland</i>	Co. C
Baker, Charles Hall, G 20 (36½)	<i>Portland</i>	Naval Unit
Bangs, William Parcher, D 18	<i>Swampscott, Mass.</i>	Co. C
Bannister, Leslie, D 20 (77½)	<i>Cornish</i>	Co. B
Barker, Vivian Merle, A 19	<i>Washburn</i>	Co. C
Barnard, John Hopkins, D 18	<i>Gardiner</i>	Co. D
Bartlett, Reginald Sydes, C 20	<i>Newport</i>	Co. B

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Barton, Frank Eugene, F 20 (29½)	<i>Rockport, Mass.</i>	Co. C
Barton, Lawrence Price, A 20 (38½)	<i>Waterville</i>	Co. D
Bean, Lester Carlton, D 18	<i>Freeport</i>	Co. C
Beckett, Lloyd Stanley, D 18	<i>Calais</i>	Co. D
Bedard, Albert Joseph, D 19 (37)	<i>Rumford</i>	Co. C
Beeaker, Stephen William, D 19 (39)	<i>Rumford</i>	Co. D
Berry, Alden Wright, D 20 (35)	<i>Stamford, Conn.</i>	Co. D
Berry, Olin Lester, D 18	<i>Houlton</i>	Co. C
Berry, Perley Lee, D 20 (22½)	<i>Rumford</i>	Co. D
Bessey, Gerald Heald, A 19	<i>South Paris</i>	Co. C
Besse, Frank Arnold, G 19 (66½)	<i>Albion</i>	Naval Unit
Betts, Charles Edward, G 20	<i>Orono</i>	Naval Unit
Bishop, Jacob Wetmore, Jr., A 19	<i>Bowdoinham</i>	Co. C
Black, Joseph Kenneth, D 18	<i>Vinalhaven</i>	Co. B
Blackwell, Percy Lynn, D 19 (36)	<i>Madison</i>	Co. C
Blake, Roy Clifford, A 19	<i>Sedgwick</i>	Co. D
Blake, William Laurence, G 19 (33½)	<i>Houlton</i>	Naval Unit
Blanchard, Morris William, D 18	<i>Cumberland Center</i>	Co. C
Blethen, Harold Andy, B 20 (34)	<i>East Bangor</i>	Co. C
Blotner, Jacob Abraham, D 18	<i>Laurence, Mass.</i>	Co. D
Boadway, Leon Harold, A 20	<i>Guilford</i>	Co. D
Bolan, Albion Keith, A 19	<i>Winterport</i>	Co. C
Booker, George Ansyl, G 18	<i>Waterville</i>	Naval Unit
Bowen, Howard Lancaster, C 20	<i>Bangor</i>	Co. D
Bowker, Arthur Moses, G 20	<i>Bath</i>	Naval Unit
Bowley, Edward James, D 20 (36½)	<i>Sanford</i>	Co. B
Boyd, Parry Eustis, G 19	<i>Bangor</i>	Naval Unit
Boynton, Ray Maurice, D 19 (77½)	<i>Showhegan</i>	Co. C
Bracy, Herbert Dewey, D 18	<i>York Corner</i>	Co. D
Bradley, Temple Ayer, A 19 (36)	<i>Gloucester, Mass.</i>	Co. C
Brewer, Edgar Sterling, G 19	<i>Peak Island</i>	Naval Unit
Brewster, Gordon Ernest, G 19 (20)	<i>Ogunquit</i>	Naval Unit
Brinton, Wesley Rich, A 20	<i>Sullivan</i>	Co. C
Brown, Arthur Dwight, D 19	<i>Disfield</i>	Co. B
Brown, Carlton Eugene, A 20 (39)	<i>Gloucester, Mass.</i>	Co. B

STUDENTS' ARMY TRAINING CORPS

Brown, Edward Herbert, A 20 (80½)	<i>Bethel</i>	Co. D
Brown, Harry Carpenter, A 20 (75½)	<i>Bethel</i>	Co. D
Brown, Ralph Clifton, A 20	<i>Portland</i>	Co. C
Brown, Roy Harold, D 18	<i>Patten</i>	Co. D
Brown, Stephen Walter, A 19	<i>Foxcroft</i>	Co. D
Bruce, Harold Lincoln, A 20 (78½)	<i>Lebanon</i>	Co. C
Buck, Austin Saunders, G 20 (34)	<i>Orland</i>	Naval Unit
Buck, Howard Randall, A 19	<i>Harrison</i>	Co. C
Buckley, Clarence James, A 19	<i>West Enfield</i>	Co. B
Buker, Joseph Steelbrook, A 19	<i>Hartland</i>	Co. B
Burnham, Ralph Saunders, D 20 (35½)	<i>Gloucester, Mass.</i>	Co. C
Burns, Alfred Sawyer, B 20 (33½)	<i>Fort Fairfield</i>	Co. D
Burns, Jeremiah Frederic, G 18	<i>Houlton</i>	Naval Unit
Burns, John Edwin, A 19	<i>Bangor</i>	Co. C
Burns, Paul Sheridan, D 20 (25½)	<i>Houlton</i>	Co. C
Burrows, Jerome Clement, G 19 (24½)	<i>Rockland</i>	Naval Unit
Bussell, Linwood Charles, D 18	<i>Pittsfield</i>	Co. D
Bussell, Stephen Reginald, B 19 (62½)	<i>Old Town</i>	Co. D
Butler, Harry, A 20 (60½)	<i>Bangor</i>	Co. D
Butler, Henry Russ, D 19 (77½)	<i>Portland</i>	Co. C
Buzzell, Frederick Gilmore, A 20 (33½)	<i>Old Town</i>	Co. C
Byrnes, John Raymond, D 19	<i>Lewiston</i>	Co. B
Campbell, Stanley Willey, D 20 (37)	<i>Cherryfield</i>	Co. C
Carey, Henry Thomas, A 20 (34½)	<i>Portland</i>	Co. C
Carlin, James Edward, D 19 (34)	<i>Bangor</i>	Co. D
Carroll, Wesley Boynton, B 19	<i>Southwest Harbor</i>	Co. D
Carter, Earl Frank, A 20 (33½)	<i>Bangor</i>	Co. C
Carver, Albert Edward, D 20	<i>Vinalhaven</i>	Co. B
Cary, Lester King, C 20 (32½)	<i>Fort Fairfield</i>	Co. C
Castle, Roger Clapp, G 19 (33)	<i>Plainville, Conn.</i>	Naval Unit
Caswell, Harold Allen, D 18	<i>Worcester, Mass.</i>	Co. D
Catell, Charles Vernon, G 20	<i>Bangor</i>	Naval Unit
Cates, Lyman Edward, A 20	<i>Brooks</i>	Co. C

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Chadbourne, Walter Whitmore, A 19 (67½)	<i>Danforth</i>	Co. C
Chandler, Erwin Percy, A 18	<i>Dexter</i>	Co. C
Chaplin, Joseph Benjamin, A 19 (38½)	<i>Cornish</i>	Co. C
Chapman, Arthur Raymond, D 18 (36½)	<i>Rumford</i>	Co. C
Chapman, Franklin Kenneth, D 18	<i>Old Town</i>	Co. B
Chatto, Morris Haskell, A 20	<i>South Brooksville</i>	Co. D
Chellis, Robert Dunning, D 20 (105)	<i>Portland</i>	Co. B
Christensen, Einar Ollegaard, C 20	<i>Yarmouth</i>	Co. B
Christianson, Elmer Emmons, G 20 (51½)	<i>Portland</i>	Naval Unit
Churchill, William Lee, D 18	<i>Fort Fairfield</i>	Co. D
Clapp, Harlan Luther, G 19	<i>Brewer</i>	Naval Unit
Clark, Merlin John, D 18	<i>Bridgton</i>	Co. D
Clough, Raymon Whitney, D 18	<i>Portland</i>	Co. D
Coffin, Charles Nicholas, A 18	<i>Lincoln</i>	Co. C
Cohen, Robert, D 18 (37)	<i>Swansea, Mass.</i>	Co. B
Cole, Frederic Leslie, Jr., A 18 (34½)	<i>North Brooklin</i>	Co. D
Cole, Lloyd Lester, A 18	<i>Biddeford</i>	Co. D
Collins, Albert Bernard, A 20	<i>Alton</i>	Co. C
Constantine, Frederick John, C 20	<i>Bangor</i>	Co. C
Cook, Harold Edgar Herbert, A 20	<i>Gardiner</i>	Co. D
Cooley, Leland Rodney, D 20 (65½)	<i>Milton, Vt.</i>	Co. C
Cooper, Eugene Smith, D 19 (29½)	<i>Augusta</i>	Co. B
Corbin, Paul Franklin, G 19 (73)	<i>Malden, Mass.</i>	Naval Unit
Cornell, Laurence Merritt, G 20 (21½)	<i>Stoughton, Mass.</i>	Naval Unit
Cornforth, Robert Gardner, D 20 (92)	<i>Cooper</i>	Co. D
Corson, Merton Clarendon, A 20 (37)	<i>Bridgton</i>	Co. D
Cote, Joseph Theophilus, G 20 (11½)	<i>Old Town</i>	Naval Unit
Couri, Dewey William, A 19 (48½)	<i>Portland</i>	Co. C
Courtney, Horace Sears, A 19 (68½)	<i>Boston, Mass.</i>	Co. D

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Crabtree, Frederick Howard, D 18	<i>Milbridge</i>	Co. C
Craig, Ivan Lester, D 19 (30½)	<i>Caribou</i>	Co. B
Crompton, Kenneth George, A 18	<i>Lawrence, Mass.</i>	Co. D
Crosby, Ernest Hartley, D 18	<i>Islesboro</i>	Co. D
Cross, Donald Harvey, A 18	<i>Guilford</i>	Co. D
Cross, Hugo Silas, G 20 (91½)	<i>Guilford</i>	Naval Unit
Crummett, Charles Mahlon, A 20	<i>Waterville</i>	Co. C
Curran, Joseph Reginald, A 18	<i>Old Town</i>	Co. D
Curran, Raymond Joseph, D 20 (23)	<i>Bangor</i>	Co. D
Currier, Stanley Morrison, D 20 (78½)	<i>Brewer</i>	Co. C
Curry, Mark Burnett, A 18	<i>Rockland</i>	Co. D
Daigle, Archie Joseph, C 20	<i>Grindstone</i>	Co. D
Daly, Anthony Bernard, B 20	<i>Waltham, Mass.</i>	Co. C
Danforth, Earle Herrick, C 20 (107½)	<i>Bangor</i>	Co. C
Daniels, Donald Howard, D 18	<i>Portland</i>	Co. D
Davee, Lawrence Weston, D 18	<i>Orono</i>	Co. C
Davenport, Bruce Ira, A 19 (10)	<i>Phillips</i>	Co. D
Davidson, James Howard, D 19 (77½)	<i>Guilford</i>	Co. C
Davis, Abbott Sampson, G 19	<i>Portland</i>	Co. D
Davis, Lawrence Kendall, A 19	<i>Augusta</i>	Co. D
Davis, Manley Webster, G 20 (126½)	<i>Guilford</i>	Naval Unit
Davis, Maurice, F 19	<i>Portland</i>	Co. D
Davis, Ulmer Winfield, B 18	<i>Machias</i>	Co. C
Dawson, James William, D 18	<i>Portland</i>	Co. C
Dearborn, Errol Leonard, C 20	<i>Corinna</i>	Co. B
DeCosta, Leslie Emery, A 20	<i>Cascade, N. H.</i>	Co. B
Deering, Howard Alfred, D 20 (36½)	<i>Bath</i>	Co. B
Denison, Clifford Dawes, A 20 (121½)	<i>Harrison</i>	Co. C
Dennis, George Harold, A 20	<i>Augusta</i>	Co. C
Diehl, Edwayne Philip, A 20 (61½)	<i>New Britain, Conn.</i>	Co. B
Dolan, William Edmund, A 19	<i>Portland</i>	Co. D
Dolloff, Harlan Coolidge, G 19	<i>Livermore Falls</i>	Naval Unit
Doten, Henry Leroy, A 19	<i>Northfield</i>	Co. D

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Douglass, Lloyd Richmond, G 20 (77½)	<i>Augusta</i>	Naval Unit
Dow, Harlan Keene, G 19	<i>Kents Hill</i>	Naval Unit
Dow, Robert Wilbur, D 18 (36½)	<i>Biddeford</i>	Co. D
Downey, Francis Timothy, F 19	<i>Marlboro, Mass.</i>	Co. C
Drapeau, Joseph Edward, Jr., D 19	<i>New Milford, Conn.</i>	Co. D
Dresser, Philip Maxson, D 20	<i>Millbridge</i>	Co. C
Drew, Truman Winthrop, G 20	<i>Patten</i>	Naval Unit
Dudley, Frank Elwyn, A 20	<i>Gardiner</i>	Co. B
Dufour, Paul, A 19	<i>Madawaska</i>	Co. C
Dunn, Gerald Perry, A 18	<i>Bridgton</i>	Co. D
Durham, Charles Albert, D 18	<i>Monroe</i>	Co. C
Dwellely, George Hill, D 18	<i>East Machias</i>	Co. C
Eames, Butler Matthews, G 20 (16½)	<i>Portland</i>	Naval Unit
Eames, John Heagan, A 18	<i>Portland</i>	Co. D
Eames, John Harry Anthony, A 19	<i>Bangor</i>	Co. D
Eastman, Charles Leslie, C 18	<i>Corinna</i>	Co. C
Eaton, Albert Thomas, A 19	<i>York Village</i>	Co. C
Eaton, Frank Newell, Jr., A 19 (78½)	<i>Winterport</i>	Co. C
Ellis, Ansel Staples, A 19	<i>Canton</i>	Co. C
Ells, Frank Brown, D 19 (30½)	<i>Portland</i>	Co. C
Ellsworth, William Clarence, D 20 (118½)	<i>Farmington</i>	Co. C
Emery, Herbert Thomas, G 19	<i>Portland</i>	Naval Unit
Emery, Orville Morton, A 20 (32½)	<i>Bar Harbor</i>	Co. B
Eveleth, Andrew Everett, D 20	<i>Bangor</i>	Co. D
Evirs, Howard Westley, A 20 (38½)	<i>Norway</i>	Co. C
Farnham, Elwin Benjamin, C 20	<i>North Dexter</i>	Co. C
Farnsworth, Earle Gilbert, C 20	<i>Orono</i>	Co. D
Farnum, Philip Talbot, D 20 (116½)	<i>East Wilton</i>	Co. B
Farr, Joseph William, A 19	<i>Portland</i>	Co. C
Faulkner, George Armand, G 20 (99)	<i>South Hanson, Mass.</i>	Naval Unit
Fenderson, Henry Charles, D 18	<i>Saco</i>	Co. C
Fickett, Harvey Madison, D 18	<i>Ellsworth</i>	Co. B

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Fierman, Max, G 18	<i>Medford, Mass.</i>	Naval Unit
Fifield, Herbert Walker, F 19	<i>Vinalhaven</i>	Co. C
Fifield, Thomas Walter, A 20	<i>Stonington</i>	Co. B
Files, Raymond Linwood, A 19	<i>Webb's Mills</i>	Co. B
Fillettez, Charles Maurice, A 19	<i>Bar Harbor</i>	Co. B
Flavell, Paul Irving, D 20 (74½)	<i>Hanover, Mass.</i>	Co. D
Flint, Erlon Webster, D 19 (33½)	<i>Orono</i>	Co. C
Fogg, Merle Leslie, A 20 (23½)	<i>West Enfield</i>	Co. D
Foley, Francis Lawton, A 18 (38½)	<i>Bar Harbor</i>	Co. C
Folsom, Rodney Gerry, D 18	<i>Springvale</i>	Co. C
Foss, Donald Martin, C 20	<i>Portland</i>	Co. C
Foss, George Theodore, D 18	<i>North Haven</i>	Co. D
Foss, William McKinley, A 19	<i>Bingham</i>	Co. B
Fossett, Arthur Delbert, A 19	<i>Gardiner</i>	Co. C
Fossett, Edward Carroll, A 19 (77½)	<i>Bristol</i>	Co. D
Foyle, Raymond Henry, G 20 (71)	<i>East Bridgewater, Mass.</i>	Naval Unit
Francis, Leland Miner, C 19	<i>North Leeds</i>	Co. C
Fraser, Simon Chandler, A 19 (34½)	<i>Easton</i>	Co. B
Frawley, Walter Louis, A 19	<i>Bangor</i>	Co. B
Freeman, Benjamin Joseph, D 19	<i>Amesbury, Mass.</i>	Co. D
French, Dwight Millard, D 19 (32½)	<i>Bangor</i>	Co. D
French, Frank Roland, A 20	<i>Kingfield</i>	Co. D
French, Gardner, A 19 (27½)	<i>Rockland</i>	Co. C
Friend, Francis Howard, G 20 (76½)	<i>Skowhegan</i>	Naval Unit
Gammon Harold Leavitt, A 19	<i>East Sumner</i>	Co. B
Gay, Gerald Andrew, A 19	<i>Jonesboro</i>	Co. D
Gerry, Clarence Mark, A 19	<i>Unity</i>	Co. B
Getchell, Ralph Augustus, A 19	<i>Portland</i>	Co. D
Ginsberg, George Snow, G 20 (38½)	<i>Bangor</i>	Naval Unit
Ginsberg, Simon, D 19 (23½)	<i>Bangor</i>	Co. C
Glidden, Joseph Franklin, A 19	<i>Calais</i>	Co. C
Goldsmith, Ersley Levi, A 19	<i>Gardiner</i>	Co. D
Goldstein, Harry Zachary, A 19	<i>Bangor</i>	Co. C
Goodhue, Lawrence West, A 20	<i>Fort Fairfield</i>	Co. B

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Gordon, John Harry, G 20 (27½)	<i>Bingham</i>	Naval Unit
Gould, Clarence Bradford, D 18	<i>Bowdoinham</i>	Co. C
Gould, Ralph Thompson, A 18	<i>Portland</i>	Co. D
Gowin, Robert Melvern, C 18	<i>Detroit</i>	Co. B
Grant, Judson Milton, C 19	<i>Carmel</i>	Co. B
Grant, William Hamlin, D 18	<i>Unity</i>	Co. D
Greene, Arleigh Buxton, D 18	<i>Princeton</i>	Co. B
Greenleaf, Harry Lowell, D 19 (35½)	<i>Menmouth</i>	Co. C
Gregory, Augustus Philip, D 18 (31)	<i>Fairfield</i>	Co. D
Grey, Arthur Reyburn, D 18	<i>Rowley, Mass.</i>	Co. D
Grindle, Frederick Bruce, A 19	<i>Vinalhaven</i>	Co. C
Hacker, Edward Prince, G 20 (55½)	<i>Brunswick</i>	Naval Unit
Hadley, Arthur Lewis, D 18	<i>West Eden</i>	Co. C
Hall, Sherman Barrett, D 20 (36½)	<i>Camden</i>	Co. B
Ham, Philip Warren, A 20	<i>Foxcroft</i>	Co. D
Ham, Miles Frank, G 19 (68½)	<i>Thomaston</i>	Naval Unit
Hamm, Herbert Ray, A 19	<i>Dexter</i>	Co. C
Hanson, Ivan Stevens, D 20 (117½)	<i>Winter Harbor</i>	Co. C
Hanson, Stanley Freeland, C 18	<i>Portland</i>	Co. D
Harding, Carroll Woodbury, D 19	<i>Portland</i>	Co. C
Harriman, Alonzo Jesse, D 20 (69½)	<i>Bath</i>	Co. B
Harris, Charles Edward, D 18 (31½)	<i>Bar Harbor</i>	Co. B
Haskell, Kennard Gordon, C 20	<i>North Sullivan</i>	Co. D
Haskell, Louis Hodgkins, A 18	<i>Turner</i>	Co. B
Hatch, Gladstone Fielding, A 20	<i>Peak Island</i>	Co. C
Hatch, Lynwood Scott, G 20	<i>Old Town</i>	Naval Unit
Hatch, Maurice Lester, A 18	<i>Old Town</i>	Co. D
Hathaway, Albion Kieth Parris, D 19	<i>Columbia Falls</i>	Co. B
Hathorn, Donald Harold, A 20 (33)	<i>Bangor</i>	Co. C
Hathorne, Philip Randall, A 20	<i>Woolwich</i>	Co. D
Hawkes, Wyman Eveleth, A 20 (40)	<i>South Windham</i>	Co. B
Hawkins, Basil French, A 20	<i>North Jay</i>	Co. D
Hayden, Lindley Floyd, G 20	<i>Corinna</i>	Naval Unit
Headley, George Rufus, A 19	<i>Vinalhaven</i>	Co. D
Heald, Eldred Chalmus, B 20	<i>Solon</i>	Co. D

STUDENTS' ARMY TRAINING CORPS

Healey, Melvin Edward, D 19	<i>Gloucester, Mass.</i>	Co. B
Henderson, Harry Elmont, C 20 (32½)	<i>Hartland</i>	Co. C
Henry, Arthur Joseph, A 20	<i>Rumford</i>	Co. D
Herrick, Winslow Kent, C 19	<i>Brewer</i>	Co. B
Herwood, John Joseph, A 20	<i>Portland</i>	Co. C
Hescock, Milton Arthur, D 18	<i>Monson</i>	Co. B
Hewett, Linwood Henry, A 19	<i>East Winthrop</i>	Co. C
Higgins, Lewis Hamlin, G 20	<i>Portland</i>	Naval Unit
Higgins, Stanley Lincoln, A 19	<i>Charleston</i>	Co. D
Hill, Henry Francis, Jr., D 19	<i>Augusta</i>	Co. C
Hillman, Harold Dewey, C 19	<i>Calais</i>	Co. D
Hinckley, Fred Sumner, A 18	<i>Thomaston</i>	Co. D
Hobart, Joel Elwin, C 20	<i>Skowhegan</i>	Co. C
Hodgdon, Philip Winslow, A 18	<i>Portsmouth, N. H.</i>	Co. B
Hodgkins, Lawrence James, D 20 (80½)	<i>West Harpswell</i>	Co. B
Hodgman, Perry Hovey, A 19	<i>Bangor</i>	Co. B
Holder, Leverett Thomas, Jr., D 19	<i>Swampscott, Mass.</i>	Co. C
Holmes, Ronald Theodore, C 19	<i>Woodfords</i>	Co. D
Honey, Earle John, A 19	<i>Bangor</i>	Co. C
Hope, Eric Stiles, D 18 (15½)	<i>Dexter</i>	Co. D
Hopkins, Ray Clifford, D 20 (119)	<i>Camden</i>	Co. C
Hopkinson, Harold Henry, D 18	<i>Fort Fairfield</i>	Co. B
Horsman, Walter Blair, A 19	<i>Princeton</i>	Co. B
Hotham, Charles Ernest, G 20 (76½)	<i>Patten</i>	Naval Unit
House, Maynard Elias, A 20	<i>North Turner</i>	Co. C
Howe, Dyke Bradford, A 20	<i>Patten</i>	Co. C
Howe, Edward Amasa, A 19	<i>Presque Isle</i>	Co. C
Howe, Harlan Colcord, B 18	<i>Dixfield</i>	Co. B
Hoyt, David William, C 19	<i>Easton</i>	Co. C
Humphrey, Albion Bertram, C 20	<i>Portland</i>	Co. C
Hurd, Mark Alma, A 19	<i>Pittsfield</i>	Co. B
Huston, Cecil Bachelder, D 18	<i>Patten</i>	Co. D
Hutchins, Leslie Waldo, A 19	<i>Cape Neddick</i>	Co. B
Ingalls, Lionel Townsend, A 18	<i>York Village</i>	Co. C
Ingraham, Dwight Marden, D 20 (77½)	<i>Bangor</i>	Co. D

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Jackson, Harry Laton, C 20 (38½)	<i>Bath</i>	Co. D
Johnson, Clement Skolfield, Jr. A 18	<i>Portland</i>	Co. B
Johnson, Gordon Woodbury, A 18 (38½)	<i>Westbrook</i>	Co. C
Johnson, Leon Howard, A 19 (27½)	<i>Portland</i>	Co. D
Johnson, Stanley Jordan, D 19 (36½)	<i>Bangor</i>	Co. B
Johonnett, Elton Boynton, A 19	<i>Pittsfield</i>	Co. D
Jones, Cecil Roland, D 20 (35½)	<i>Waterville</i>	Co. C
Jones, Hollis Willard, A 18 (25½)	<i>Brooks</i>	Co. D
Jones, Paul Elmont, D 20	<i>Lewiston</i>	Co. C
Jones, Stanley Cochrane, D 19 (39)	<i>Baldwinville, Mass.</i>	Co. B
Jordan, Fred Thompson, C 19 (32½)	<i>Farmington</i>	Co. B
Joy, Hiram Chandler, C 19	<i>Addison</i>	Co. D
Junkins, Aubury Willard, D 18	<i>Masardis</i>	Co. C
Kane, Charles Augustus, C 19	<i>Sargentville</i>	Co. C
Kearns, William Michael, A 19	<i>Gardiner</i>	Co. B
Kelleher, Ralph Bartholomew, C 20 (33)	<i>Orono</i>	Co. B
Kelley, Norman James, D 19	<i>Livermore Falls</i>	Co. C
Kelly, Linwood John, G 20 (33)	<i>Orono</i>	Naval Unit
Kennison, Ralph Gregory, G 20		
Kenny, Leo Thomas, C 20 (17½)	<i>Orono</i>	Co. D
Kimball, Clarence Elmer, D 18	<i>Madison</i>	Naval Unit
Kipp, Mortimer Holmes, A 20	<i>Augusta</i>	Co. C
Kirk, Edward Benedict, G 19 (61½)	<i>Winterport</i>	Co. D
Kirk, Herman Horace, A 19	<i>Bar Harbor</i>	Naval Unit
Kitchin, Elon Stanley, A 20	<i>Ashland</i>	Co. D
Klubock, Benjamin, D 20 (32½)	<i>Palermo</i>	Co. B
Kneeland, Asher Sprague, D 18	<i>Lawrence, Mass.</i>	Co. D
Knight, Norman Ralph, G 20	<i>Princeton</i>	Co. C
Kushelevitz, Alexander, D 20 (26½)	<i>Albion</i>	Naval Unit
Kyes, Howard Ernest, A 20	<i>Lewiston</i>	Co. D
LaCrosse, Wilfred Joseph, G 19	<i>North Jay</i>	Co. C
Ladd, Charles Vaughn, C 19	<i>Orrington</i>	Naval Unit
Lamb, Conrad Wilder, D 18	<i>Dover</i>	Co. C
	<i>Rangely</i>	Co. D

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Lancaster, Ralph Bradford, D 19 (27½)	<i>Madison</i>	Co. D
Landers, Carleton Ames, A 19 (69½)	<i>Easton</i>	Co. D
Landers, Frank Marshall, A 19	<i>Kingfield</i>	Co. B
Lane, Lynton Oliver, A 18	<i>Rockport</i>	Co. C
Lane, Randall Milton, A 19	<i>Upper Gloucester</i>	Co. D
Laughlin, Robert William, C 18	<i>Portland</i>	Co. B
Law, Frank Davis, G 20 (15½)	<i>Foxcroft</i>	Naval Unit
Lawry, Connell York, A 19	<i>Fairfield</i>	Co. B
Leary, Philip John, D 20 (78½)	<i>Lynn, Mass.</i>	Co. D
LeGrow, Carl Augustine, A 20 (80½)	<i>Portland</i>	Co. D
Leighton, Bradford Elias, D 19 (36½)	<i>Halls Mills</i>	Co. C
Leighton, Deane Edmond, A 20	<i>Yarmouth</i>	Co. D
Leighton, Russell Smith, D 18	<i>Columbia</i>	Co. C
Leland, Walter Gilmore, A 18	<i>Dover</i>	Co. B
Lester, Orlando Atwood, C 20 (38½)	<i>Bridgton</i>	Co. B
Lewis, Ernest Lincoln, C 18	<i>Auburn</i>	Co. C
Libby, Lawrence Packard, A 20 (77½)	<i>Portland</i>	Co. B
Libby, Millard Edward, G 20 (36½)	<i>Milford</i>	Naval Unit
Libhart, Roland Edwin, G 20 (20)	<i>Brewer</i>	Naval Unit
Lingley, Alfred Beverly, G 20 (74)	<i>Portland</i>	Naval Unit
Little, Harold Palmer, A 19	<i>Brewer</i>	Co. C
Littlefield, Theodore, A 20	<i>Brewer</i>	Co. B
Lord, Kenneth Dorrance, B 19	<i>Auburn</i>	Co. D
Lowell, Chauncey Vernon, D 19	<i>Castine</i>	Co. C
Ludden, Clare Bertrand, A 20	<i>Canton</i>	Co. D
Lydic, Lyman Alexander, B 19	<i>Forest City</i>	Co. D
MacAllister, Hugh William, A 19	<i>Pittsfield</i>	Co. B
McCabe, James Richard, A 19 (32½)	<i>Kennebunkport</i>	Co. B
McCabe, Joseph Brazier, D 18	<i>Kennebunkport</i>	Co. B
McCready, Alfred Robert, B 19	<i>Houlton</i>	Co. C
McGouldrick, Paul Foster, C 20	<i>Augusta</i>	Co. D
McGouldrick, Philip Clair, D 20 (75½)	<i>Augusta</i>	Co. B

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McGown, Roland Alexander, D 20	<i>Green Lake</i>	Co. D
McLaughlin, Bernard William, A 20	<i>Limestone</i>	Co. B
McLean, Angus Bain, A 19	<i>Portland</i>	Co. C
McLeod, James Leslie, A 19	<i>Bangor</i>	Co. D
McNally, Cecil Hazen, D 18	<i>Hartland</i>	Co. B
McNamara, John Harold, A 20	<i>South Brewer</i>	Co. B
McDonald, Everett Howard, D 18	<i>Portland</i>	Co. B
MacWilliams, Elmer Cecil, A 20	<i>Portland</i>	Co. C
Mack, Edward, D 19 (36)	<i>Portland</i>	Co. B
Maddocks, Milton Hodges, A 19	<i>Portland</i>	Co. B
Manchester, Herbert Richardson, A 18	<i>Portland</i>	Co. C
Manchester, John Heath, B 20 (18½)	<i>Northeast Harbor</i>	Co. B
Manchester, Rupert Saunders, D 18	<i>Westbrook</i>	Co. C
Mansur, Everett Brown, A 19	<i>Bangor</i>	Co. C
March, Leland Samuel, B 18	<i>Old Town</i>	Co. D
March, Lindsay Jackson, A 20 (65½)	<i>Old Town</i>	Co. D
Marden, Francis Goodwin, B 18	<i>Wollaston, Mass.</i>	Co. C
Marson, Stephen Redlon, F 18	<i>Boothbay Harbor</i>	Co. C
Marston, Frederick Fairbrother, D 18	<i>Portland</i>	Co. D
Martin, Carlton Elwin, A 19	<i>Portland</i>	Co. C
Martin, Eugene Francis, D 18	<i>Portland</i>	Co. D
Mason, Don Trenck, D 20	<i>Waterville</i>	Co. C
Matthews, Walter John, D 18	<i>Lewiston</i>	Co. D
Merrill, Aubrey Albert, D 19 (36½)	<i>Sebec Station</i>	Co. D
Merrill, Eugene Frank, D 18	<i>Stonington</i>	Co. C
Merry, Matthew Henry, G 20 (77½)	<i>Vineyard Haven, Mass.</i>	Naval Unit
Merry, Silas Everett, D 18 (77½)	<i>Vineyard Haven, Mass.</i>	Co. B
Milan, Frank Lindsey, A 20	<i>Swan's Island</i>	Co. C
Minot, James Laurence, A 18	<i>Belgrade</i>	Co. C
Mitchell, Ivan Wilbur, A 19	<i>Fairfield</i>	Co. C
Mitchell, James Edward, G 18	<i>Bangor</i>	Naval Unit
Mitchell, Myron Atwood, G 20 (80½)	<i>South Berwick</i>	Naval Unit
Mitchell, William McKinley, A 20	<i>Foscroft</i>	Co. D

STUDENTS' ARMY TRAINING CORPS

Moloney, Donald Aloysius, A 19	<i>Orono</i>	Co. B
Moore, John Leroy, A 19	<i>Ellsworth</i>	Co. C
Moore, Millard George, D 20 (114)	<i>Old Town</i>	Co. C
Moores, Carroll Daniel, A 20	<i>Kingfield</i>	Co. C
Morin, Maurice Albert, A 20	<i>Brunswick</i>	Co. C
Morris, Paul Austin, C 20 (101½)	<i>Bangor</i>	Co. B
Mosley, Warren Raymond, C 20	<i>Woodfords</i>	Co. B
Moulton, Maynard Webster, G 18	<i>Auburn</i>	Naval Unit
Mulholland, Frank Stuart, D 19	<i>Lubec</i>	Co. C
Mulvany, Richard Francis, D 20 (24)	<i>Bangor</i>	Co. D
Murphy, Thomas Harold, G 19 (27)	<i>Guilford</i>	Naval Unit
Murray, Clinton Heywood, D 18	<i>South Portland</i>	Co. D
Murray, William Smith, A 19 (35½)	<i>Hampden Highlands</i>	Co. C
Neal, Arthur Burton, D 18	<i>Bangor</i>	Co. B
Needelman, David Daniel, A 20	<i>Portland</i>	Co. B
Needham, John Hayes, G 18	<i>Old Town</i>	Naval Unit
Nelligan, Patrick Henry, A 19	<i>Bangor</i>	Co. C
Nelson, Chester LeRoy, A 19	<i>Canaan</i>	Co. C
Newcomb, Bernard Arlin, A 20	<i>Great Works</i>	Co. C
Newhall, George Dewey, G 20 (38½)	<i>Cumberland Mills</i>	Naval Unit
Newton, Robert Denning, G 20 (29)	<i>Kents Hill</i>	Naval Unit
Niles, Charles Fernald, D 20 (111)	<i>Rumford</i>	Co. C
Niles, Merle Clyde, A 18	<i>Rumford</i>	Co. D
Noble, Frank Alonzo, G 20	<i>South Brewer</i>	Naval Unit
Nodden, Elmer Maurice, D 18	<i>South Brewer</i>	Co. C
Norwood, Howard Lysander, A 19	<i>Warren</i>	Co. B
Noyes, Chandler Lord, A 20	<i>West Gouldsboro</i>	Co. D
Noyes, Kenneth Bradford, G 20 (109)	<i>Orono</i>	Naval Unit
Noyes, Raymond Irving, A 20	<i>West Jonesport</i>	Co. C
Oakes, Karl Rufus, D 18	<i>Rangeley</i>	Co. D
O'Connell, John William, D 20 (26)	<i>Bangor</i>	Co. C
O'Connor, Gerald Francis, D 19	<i>Bangor</i>	Co. D
O'Donnell, James Francis, A 19	<i>Northampton, Mass.</i>	Co. D
O'Laughlin, James Francis, G 18	<i>Bangor</i>	Naval Unit
O'Malley, Charles Henry, B 20 (12½)	<i>Worcester, Mass.</i>	Co. B

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O'Rourke, Lawrence Albert, G 20 (76)	<i>Saco</i>	Naval Unit
Packard, Clifford Raymond, D 18	<i>Cambridge</i>	Co. C
Packard, David Carroll, A 20 (79)	<i>Marion</i>	Co. C
Paganucci, Romeo Joseph, G 20 (50½)	<i>Waterville</i>	Naval Unit
Page, Leland Albion, C 20 (23½)	<i>Bangor</i>	Co. D
Page, Raymond Clayton, B 20	<i>Orono</i>	Co. D
Parker, Harold Gordon, A 20 (61½)	<i>Auburn</i>	Co. C
Parker, Lysle Arlington, A 19	<i>Dry Mills</i>	Co. D
Partridge, Clarence Leslie, D 18 (36½)	<i>North Baldwin</i>	Co. C
Pearl, Leo Elmer, A 19	<i>Turner</i>	Co. B
Pennell, James Kenneth, D 20 (37)	<i>Bangor</i>	Co. B
Perkins, Earl Halcot, G 20 (40½)	<i>Abbot Village</i>	Naval Unit
Perkins, Stanley Wilbur, A 19	<i>Cape Porpoise</i>	Co. C
Perry, Oscar Leland, G 19 (19½)	<i>Rockland</i>	Naval Unit
Petrie, Harold Linwood, G 20	<i>South Brewer</i>	Naval Unit
Phipps, Albert Wight, A 20	<i>Gorham, N. H.</i>	Co. C
Pierce, George Whitwell, G 19	<i>Bangor</i>	Naval Unit
Pierce, Israel Gardner, A 19	<i>Augusta</i>	Co. C
Pierson, Orel Arthur, C 18	<i>Rockland</i>	Co. B
Pike, Roscoe Marston, D 19	<i>Lubec</i>	Co. B
Pinkham, James Anderson, A 20	<i>Portland</i>	Co. C
Pinkham, Seth Henry, A 20 (34)	<i>Cape Porpoise</i>	Co. D
Pitcher, Albert Elliot, D 19	<i>Bangor</i>	Co. B
Plumer, Wesley Clark, G 20 (39)	<i>Woodfords</i>	Naval Unit
Pomeroy, Frederick Hutchinson, G 19 (10½)	<i>Methuen, Mass.</i>	Naval Unit
Poor, Charles Montgomery, D 20 (110)	<i>Andover</i>	Co. C
Porter, Wesley Fletcher, G 20 (71)	<i>Patten</i>	Naval Unit
Potter, George Alva, G 19 (47½)	<i>Mystic, Conn.</i>	Naval Unit
Pratt, Charles Laurence, D 19 (34)	<i>South Windham</i>	Co. B
Pray, Alvah Elwood, D 18	<i>Swan's Island</i>	Co. B
Pray, Wilbur Franklin, D 18	<i>Calais</i>	Co. D
Preble, Warren Hinckley, G 20 (37)	<i>Addison</i>	Naval Unit
Priest, Conan Althado, D 18 (38½)	<i>Solon</i>	Co. D

STUDENTS' ARMY TRAINING CORPS

Pulk, Dexter William, F 18	<i>Veazie</i>	Co. D
Pulk, Thaxter Henry, F 18	<i>Veazie</i>	Co. D
Quinn, John Thomas, A 20	<i>Bangor</i>	Co. D
Quint, Harold Lewis, A 20	<i>Dry Mills</i>	Co. C
Reagan, James Edward, A 18	<i>Bangor</i>	Co. C
Reed, Donald Winslow, A 19	<i>Woodfords</i>	Co. C
Rees, George Raymond, A 18	<i>Orono</i>	Co. C
Reynolds, Lynn Maxwell, A 19	<i>Portland</i>	Co. C
Rice, Claude Leon, D 18	<i>East Boothbay</i>	Co. D
Rich, Louis, A 19	<i>Portland</i>	Co. C
Richards, Fred Eugene, D 18	<i>Princeton</i>	Co. C
Ricker, Milton James, A 19 (30)	<i>Flagstaff</i>	Co. B
Rideout, Elmer William, D 20 (75)	<i>Bucksport</i>	Co. D
Ring, Arthur Andrews, C 20 (67½)	<i>Orono</i>	Co. C
Roberts, Everett Louis, D 20 (77½)	<i>Bangor</i>	Co. B
Robinson, Leroy, D 19	<i>Westbrook</i>	Co. D
Rock, Warren Stetson, D 18	<i>Swampscott, Mass.</i>	Co. D
Rogers, Edwin Leroy, G 18	<i>Cathance</i>	Naval Unit
Rogers, Linwood Tower, A 18	<i>Rockland</i>	Co. C
Rose, Willis Carroll, C 19	<i>Guilford</i>	Co. D
Ross, Forrest John, A 19	<i>Columbia Falls</i>	Co. B
Rowe, Albion Earl, G 20	<i>East Holden</i>	Naval Unit
Rozelle, Algernon Gerald, A 19	<i>Charleston</i>	Co. B
Rumery, Earl Hamblen, B 18	<i>Portland</i>	Co. C
Ryan, Michael Joseph, C 20	<i>Bangor</i>	Co. B
Sanborn, Earle Lyman, B 19	<i>Portland</i>	Co. C
Sanford, George William, A 19	<i>East Corinth</i>	Co. B
Sargent, Carroll Gean, A 20	<i>Patten</i>	Co. D
Sargent, Harold Dean, A 20	<i>Patten</i>	Co. D
Sawyer, Harold Lester, A 19 (23½)	<i>South Portland</i>	Co. B
Sawyer, Wilbur Cranton, A 20	<i>Portland</i>	Co. D
Schonland, Richard Palmer, A 20 (36½)	<i>Portland</i>	Co. D
Schweitzer, Louis, D 19 (112½)	<i>Brooklyn, N. Y.</i>	Co. D
Sewall, Howard Howe, A 20 (20)	<i>Livermore Falls</i>	Co. C
Shaw, Guy Franklin, A 19	<i>Pittsfield</i>	Co. B
Shaw, Raymond Lewis, A 19	<i>Auburn</i>	Co. B
Shaw, Roger Farnsworth, A 19	<i>East Holden</i>	Co. D
Shean, Perry Rufus, D 19	<i>Patten</i>	Co. B

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Silverman, Max, D 19	<i>Patten</i>	Co. B
Simpson, Frederick Thomas, A 19	<i>Calais</i>	Co. C
Simpson, Oscar Salisbury, F 18	<i>Marlboro, Mass.</i>	Co. B
Skillings, Charles Harold, A 20	<i>Auburn</i>	Co. C
Small, Donald Wallace, A 19 (33½)	<i>East Machias</i>	Co. D
Small, George Herbert, D 19 (21½)	<i>Orono</i>	Co. C
Small, Roger Elmer, G 18	<i>Brewer</i>	Naval Unit
Small, Roy Leslie, A 19	<i>Stonington</i>	Co. D
Small, Stanton Elwood, C 19 (28½)	<i>Farmington</i>	Co. D
Smith, Everett Lufkin, G 19 (38½)	<i>East Orrington</i>	Naval Unit
Smith, George Daniel, A 18	<i>Northampton, Mass.</i>	Co. D
Smith, Horace Hall, A 19	<i>Jonesboro</i>	Co. D
Smith, Kenneth Griffin, G 20 (33)	<i>Bangor</i>	Naval Unit
Snow, Edward Haskell, D 19 (27)	<i>Bluehill</i>	Co. D
Snow, Russell Samuel, A 20	<i>Augusta</i>	Co. D
Spear, Erwin Maynard, G 18	<i>Rockland</i>	Naval Unit
Stanley, Homer Maurice, A 20	<i>Somerville, Mass.</i>	Co. D
Staples, Elliott Marcellus, D 19 (36½)	<i>Ogunquit</i>	Co. B
Stetson, Harvey Lowell, D 19	<i>Lewiston</i>	Co. D
Stevens, Dearborn Bearce, A 20	<i>Ashland</i>	Co. C
Stevens, Maurice Hoyt, B 20 (42½)	<i>Presque Isle</i>	Co. B
Stevens, Philip Litchfield, G 19	<i>Auburn</i>	Naval Unit
Stevens, Ronald Cecil, A 19	<i>Kingfield</i>	Co. B
Stewart, Harold Noel, D 18	<i>Rumford</i>	Co. C
St. John, Franklin Thomes, A 18	<i>Portland</i>	Co. D
Stockbridge, Carlyle J. D 19	<i>Swan's Island</i>	Co. D
Stone, Frederick Clinton, A 20 (63½)	<i>Cornish</i>	Co. C
Strout, Andrew Everett, A 19	<i>Portland</i>	Co. D
Stuart, Donald Wellington, D 20 (30)	<i>Houlton</i>	Co. D
Sturtevant, Dwight Anderson, B 18	<i>Auburn</i>	Co. C
Sturtevant, Norman Gardiner, G 18	<i>Livermore Falls</i>	Naval Unit
Sullivan Alphonse Dennis, D 20 (48½)	<i>Orono</i>	Co. D
Sullivan, Ernest John, G 20 (33)	<i>Orono</i>	Naval Unit
Sullivan, Eugene Leo, D 20 (36½)	<i>Orono</i>	Co. B
Swett, Norman Bertran, C 19	<i>Westbrook</i>	Co. D

STUDENTS' ARMY TRAINING CORPS

Swicker, Harold Benton, A 20 (24½)	<i>Townsend, Mass.</i>	Co. C
Swicker, Lester Clayton, G 20 (120)	<i>Townsend, Mass.</i>	Naval Unit
Swift, Carroll Candy, G 20 (41½)	<i>Waltham, Mass.</i>	Naval Unit
Sylvester, Henry Edward, A 20	<i>Portland</i>	Co. C
Tabbutt, David Wass, A 18	<i>Columbia</i>	Co. C
Tapley, Paul Dutton, A 19 (24½)	<i>Ellsworth</i>	Co. C
Tarbox, Errol Eugene, A 20 (39)	<i>Sanford</i>	Co. C
Taylor, Wilfred Avery, D 19 (37)	<i>Wareham, Mass.</i>	Co. C
Tenney, William Franklin, D 18	<i>Hallowell</i>	Co. D
Thomas, Albert Hale, G 20 (66½)	<i>Lincoln</i>	Naval Unit
Thomes, Charles Leslie, A 19	<i>Harrison</i>	Co. C
Thorne, John Raymond, A 18	<i>Bangor</i>	Co. D
Thurrell, Myron Bartlett, D 19 (38½)	<i>North Berwick</i>	Co. C
Thurston, Lester Ralph, D 20 (78½)	<i>Andover</i>	Co. C
Tibbetts, Gardner Berry, A 20	<i>Freedom</i>	Co. C
Tibbetts, Harold Samuel, A 19 (25)	<i>Auburn</i>	Co. B
Tillson, Emery Allon, A 20	<i>Winthrop</i>	Co. D
Tolman, Walter Sangster, G 20 (84)	<i>Portland</i>	Naval Unit
Tozier, Alton Warren, D 19 (81)	<i>Litchfield</i>	Co. C
Tracy, Frank Alton, G 20 (113½)	<i>Milbridge</i>	Naval Unit
Tracey, John Arthur, A 19	<i>Bath</i>	Co. C
Trafton, George Maynard, D 20 (37)	<i>Springvale</i>	Co. C
Travers, George Clifton, A 19 (30½)	<i>Bangor</i>	Co. C
Trecartin, Fred Elmore, D 19	<i>Lubec</i>	Co. D
Tribou, William Henry, C 20	<i>Hampden Highlands</i>	Co. B
Tripp, Raymond Leveritt, D 18	<i>West Eden</i>	Co. D
Trouant, Virgil Elmer, D 18 (36½)	<i>Augusta</i>	Co. B
True, Nathan Frank, G 20 (98)	<i>Freeport</i>	Naval Unit
Turner, Lincoln Lull, A 20	<i>Waltham, Mass.</i>	Co. C
Tyler, Arnold Wesley, D 18	<i>Augusta</i>	Co. D
Ullrich, Frederick Carl, D 18	<i>New Sweden</i>	Co. C
Underhill, Orra Ervin, Jr., D 20 (37)	<i>Leominster, Mass.</i>	Co. B
Urann, Arthur Reed, D 20 (62½)	<i>North Hancock</i>	Co. C

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Valentine, Donald Jordan, A 18	<i>Bangor</i>	Co. C
Varney, Allen Morelan, D 19 (30½)	<i>Gloucester, Mass.</i>	Co. D
Varney, Lawrence Brooks, A 19	<i>Eastport</i>	Co. D
Vaughan, Frederick Ray, A 20 (26½)	<i>Cherryfield</i>	Co. C
Vaughan, Kenneth Emery, D 19 (36)	<i>Brewer</i>	Co. D
Vickery, Charles James, A 19	<i>Brewer</i>	Co. D
Vining, Clyde Victor, G 20 (22½)	<i>Auburn</i>	Naval Unit
Wade, Elmer Joseph, D 20 (116½)	<i>Richmond</i>	Co. B
Wadsworth, John Emile, B 18	<i>Skowhegan</i>	Co. B
Wadsworth, Walter Abbott, D 20	<i>Camden</i>	Co. D
Wagner, Robert Earl, A 20	<i>Bath</i>	Co. B
Waite, John Philip, G 20 (17)	<i>Portland</i>	Naval Unit
Walker, Carleton Asa, D 18	<i>Bridgton</i>	Co. C
Walker, Stuart Frederick, A 19 (63½)	<i>Livermore Falls</i>	Co. D
Wallingford, Vernon Howard, D 20 (125½)	<i>Auburn</i>	Co. B
Walsh, Daniel Christopher, A 20	<i>Gorham</i>	Co. D
Walsh, Robert Joseph, C 20	<i>Portland</i>	Co. C
Wansker, Charles Henry, C 18	<i>Boston, Mass.</i>	Co. B
Ward, Chester Albert, A 18 (41)	<i>Hartland</i>	Co. C
Wardwell, Norman Merrill, D 18	<i>Newport</i>	Co. C
Warner, Edward Paige, A 20	<i>Worcester, Mass.</i>	Co. C
Washburne, Russell Sage, B 19	<i>Bangor</i>	Co. D
Waterman, Burleigh Rumery, D 20 (75)	<i>Portland</i>	Co. B
Watson, Earle William, G 19	<i>Gorham, N. H.</i>	Naval Unit
Watson, Robert Everett, A 18	<i>Auburn</i>	Co. D
Weatherbee, Horace Washington, A 20	<i>Lincoln</i>	Co. B
Webber, Robert Emmond, A 18	<i>Auburn</i>	Co. D
Webber, Vernon Edward, D 20	<i>Hartland</i>	Co. B
Webster, Dean Barbour, A 19	<i>Sabattus</i>	Co. D
Webster, Henry Gilman, A 19	<i>Farmington</i>	Co. D
Weed, George Wright, D 19 (25½)	<i>Freedom</i>	Co. B
Weeks, Wilder Leon, D 20	<i>Fairlee, Vt.</i>	Co. B
Weisman, Max Myer, D 18	<i>Portland</i>	Co. B

STUDENTS' ARMY TRAINING CORPS

Weisman, Samuel, D 20	<i>Portland</i>	Co. D
Welch, Everett Philip, D 18	<i>Portland</i>	Co. B
Wellington, Linwood Wiley, G 20 (97½)	<i>Caribou</i>	Naval Unit
Wells, Vance Millard, D 19 (3)	<i>Wilton</i>	Co. B
Weston, Ralph Vaughan, A 19	<i>Guilford</i>	Co. C
Weymouth, Irving Crosby, G 20	<i>Albion</i>	Naval Unit
Whitcomb, Charles Simon, A 20	<i>Portland</i>	Co. C
Whitcomb, Paul Langley, B 19	<i>Ellsworth</i>	Co. D
White, Edward Everett, G 19	<i>Topsham</i>	Naval Unit
White, John MacGregor, A 20	<i>Newport</i>	Co. D
White, Kenneth Miles, B 19	<i>Newport</i>	Co. B
Whited, Ernest Alfred, D 20 (25)	<i>Bridgewater</i>	Co. D
Whitmore, John, G 20 (21½)	<i>Bucksport</i>	Naval Unit
Whittemore, Russell Adams, A 20	<i>Bangor</i>	Co. C
Wilbur, Olney St. Clair, A 20	<i>Hartland</i>	Co. D
Wilkins, Elwood Kempton, D 19 (29)	<i>Caribou</i>	Co. B
Wilkins, Ralph Allen, G 20 (117½)	<i>Beverly, Mass.</i>	Naval Unit
Wilkins, Roland Lewis, A 18	<i>Dryden</i>	Co. C
Williams, Hugh Montgomery, A 20 (31½)	<i>Guilford</i>	Co. C
Wilson, Evan Frank, D 18	<i>Belfast</i>	Co. B
Wilson, Harold Berkely, A 19	<i>Sangerville</i>	Co. C
Wilson, Walter Orlando, A 19	<i>Leeds</i>	Co. D
Winslow, Arthur Franklin, A 19	<i>Freeport</i>	Co. B
Winslow, Willis Stone, D 20 (120)	<i>Waldoboro</i>	Co. C
Wonson, Philip Reed, A 19 (27)	<i>Gloucester, Mass.</i>	Co. B
Wood, Carlton Pratt, D 20 (71)	<i>Kingfield</i>	Co. D
Wormwood, Bradley Whittier, A 20	<i>Waltham, Mass.</i>	Co. B

UNIVERSITY OF MAINE

General Summary

FACULTY

President	1
Professors	31
Associate Professors	13
Assistant Professors	17
Instructors	16
Assistants	5
Lecturers	8
Agricultural Experiment Station Staff	21
Agricultural Extension Service Staff	43
Total	155
College of Agriculture	18
College of Agriculture, Extension Service	43
College of Arts and Sciences	35
Agricultural Experiment Station	21
College of Law	11
College of Technology	19
Officers common to all Colleges	8
Total	155

STUDENTS

STUDENTS' ARMY TRAINING CORPS

Group	A	B	C	D (Engineering)	AGE			TOTAL
					18	19	20	
	39	115	96	250				
	7	10	10	27				
	7	12	27	46				
	77	35	34	146				

GENERAL SUMMARY

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F	4	3	1	8
G Naval Section.....	13	24	62	99
				629

CIVILIAN STUDENTS

Graduate Students	2			
Seniors	33			
Juniors	42			
Sophomores	47			
Freshmen	92			
Specials	5			
College of Law	4			
Two Year School Course in Agriculture				
First Year	3			
				228
				857

CLASSIFICATION BY RESIDENCE

Maine, by counties:	
Androscoggin	27
Aroostook	62
Cumberland	114
Franklin	20
Hancock	47
Kennebec	45
Knox	30
Lincoln	9
Oxford	19
Penobscot	219
Piscataquis	32
Sagadahoc	14
Somerset	40
Waldo	20
Washington	49
York	27

UNIVERSITY OF MAINE

Maine	774	
Massachusetts	60	
New Hampshire	10	
Connecticut	7	
New York	2	
Vermont,	2	
China	2	
	857	857
Men Students		
S. A. T. C.	629	
Civilian	44	673
	184	
Women Students		
	184	857

In addition to the above classification of students, there have been at the University since May 28, 1918, three detachments of two hundred men each, for vocational work, each detachment remaining for a period of eight weeks.

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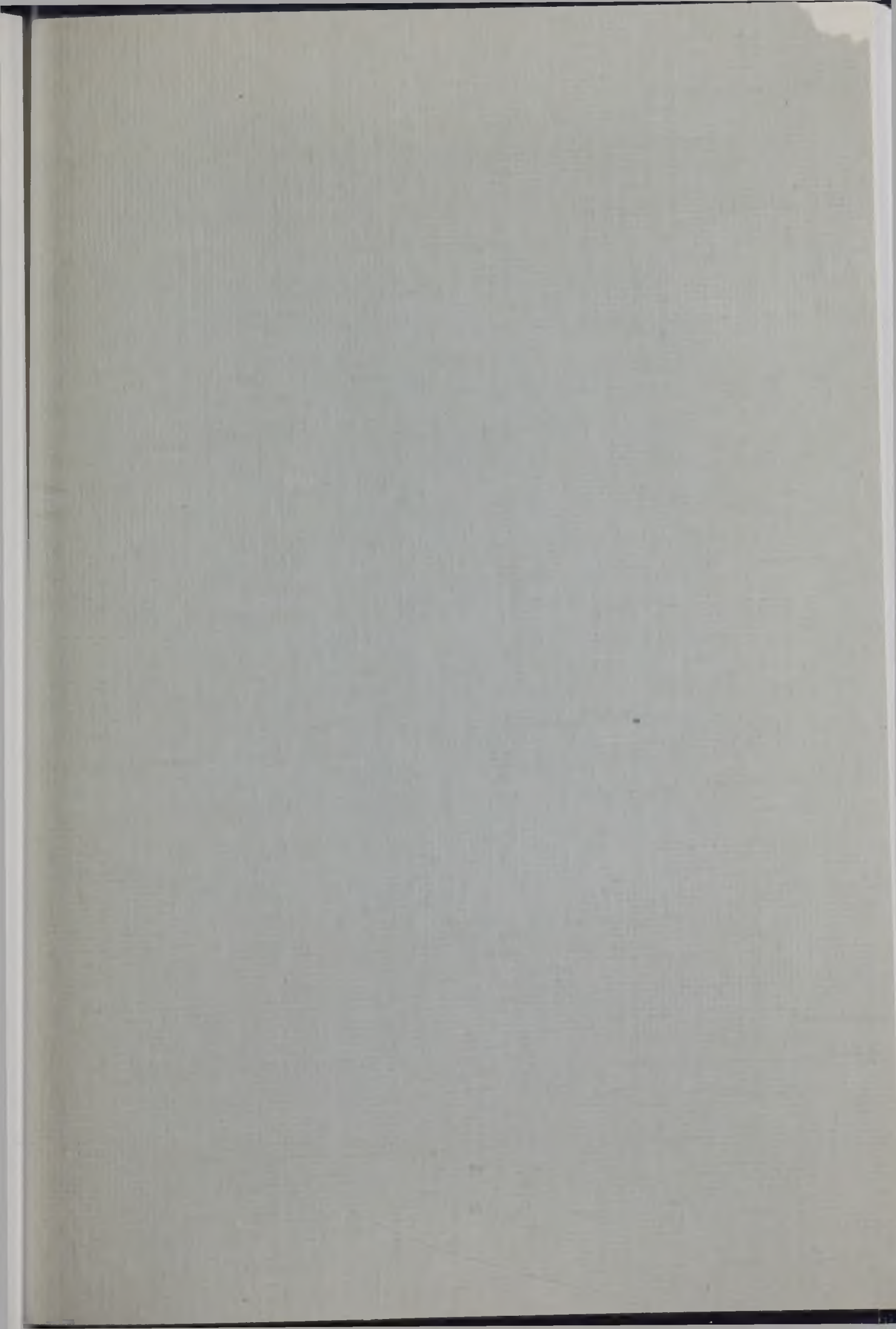
The following students registered in short courses given in the College of Agriculture, January to February, 1918.

Name	Home Address
Ray M. Burdick	Harmony (Mainstream P. O.)
Ellen Crocker	Upton
Harry L. Crocker	Upton
Aliza Getchell	Lewiston
Jerry A. Gyle	Alfred
Valentine Henneman	Bangor, 199 Main St.
Clarence Hopkins	West Eden
Henry Pratt	Howes Corner
Stanley R. Roberts	Golden Ridge
Raymond C. Wise	Guilford

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DURING the academic year 1918-1919 the University of Maine has offered its resources to the United States Government for training young men who are members of the Student Army Training Corps. The regular courses and curricula have, therefore, been materially modified. The courses in the College of Arts and Sciences for women students, and men students who are not in service, and the courses in the Department of Home Economics in the College of Agriculture are carried on as usual. S. A. T. C. students are permitted to take one course each term in the College of Agriculture. Students who have enrolled in Group 4 of the S. A. T. C. are following some one of the curricula in the College of Technology. The College of Law is offering its courses as usual.

Owing to the existing condition of affairs the present issue of the catalog is omitting the lists of courses and curricula which are usually offered. Those who wish information regarding them are referred to the catalog of 1917-1918. The nature of the work done at the University of Maine will for the present be determined by the needs of the government for training young men in military service.

THE
UNIVERSITY OF MAINE

Curricula and Courses
1919 - 1920

Supplementary to the
1918 - 1919 Catalog

UNIVERSITY OF MAINE
LIBRARIES



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ORONO

College of Agriculture

Curriculum for the First Two Years for All Students Taking Four-year Curricula in Agriculture

FRESHMAN YEAR

<i>Fall Semester</i>		<i>Spring Semester</i>	
Subject	Hours	Subject	Hours
Agronomy 11, †4.....	2	Animal Industry 2.....	2
Chemistry 1 or 3.....	2	Animal Industry 4, †2.....	1
Chemistry 5, †4.....	2	Botany 2, 2 †4.....	4
Drawing 9, *3.....	1	Chemistry 2 or 4.....	3
Public Speaking 3.....	1	Chemistry 6, †4.....	2
English 7.....	2	Drawing 10, *3.....	1
Military 1, *3.....	1	Public Speaking 4.....	1
Modern Language.....	3	English 8.....	2
Zoology 1, 2, †4.....	4	Military 2, *3.....	1
Physical Training 1, *3.....	½	Modern Language.....	2
		Physical Training 2, *3.....	1

SOPHOMORE YEAR

Agronomy 1, 2 *3.....	3	Agronomy 12, 2 †2.....	3
Animal Industry 3.....	2	Biochemistry 2, 3 †4.....	5
Animal Industry 5, †2.....	1	Biology 8, 2 †4.....	4
Biochemistry 1.....	2	Horticulture 2, 2 *3.....	3
Biology 3.....	2	Mathematics 12.....	2
Chemistry 15, 2 †2.....	3	Military 4, *3.....	1
Mathematics 11.....	3	Poultry Husbandry 2, 1 †2..	2
Military 3, *3.....	1		
Poultry Husbandry 1, 2 †2...	3		

UNIVERSITY OF MAINE

Curriculum for Students Specializing in Agricultural Education

JUNIOR YEAR

<i>Fall Semester</i>		<i>Spring Semester</i>	
Subject	Hours	Subject	Hours
Agronomy 13, 1, †2.....	2	Agricultural Chemistry 6....	2
Animal Industry 7, 2 †4.....	4	Horticulture 4, 2 †2.....	3
Bacteriology 1, †6.....	2	Horticulture 10.....	} 2
Bacteriology 3.....	2	or	
English 17.....	2	Agronomy 18.....	} 2
Horticulture 1, 2 †2.....	3	Horticulture 56, 1 †2.....	
Agricultural Education 1.....	3	Animal Industry 6.....	2
		Animal Industry 8, 1 *6....	3
		Rural Sociology 82.....	2
		Farm Management 2, †4....	2
		Agricultural Education 2... 3	3

SENIOR YEAR

Agronomy 3.....	2	Farm Management 72, 2 *3..	3
Farm Management 71, 2 *3..	3	Farm Management 74, 2 *3..	3
Horticulture 9, 2 †2.....	3	Forestry 2.....	2
Forge Work 1.....	1	Veterinary Science 14.....	3
Special Methods in Agriculture 5.....	3	Veterinary Science 16.....	1
Supervised Projects.....	2	Woodworking 4, *4.....	1½
Agricultural Education 3.....	3	Agricultural Education 6... 3	3

Curriculum for Students Specializing in Agronomy

JUNIOR YEAR

Agronomy 13, 1 †2.....	2	Agricultural Chemistry 6... 2	
Animal Industry 7, 2 †4.....	4	Agronomy 14, 1 †2.....	2
Bacteriology 1, †6.....	3	Agronomy 16, 1 †2.....	2
Bacteriology 3.....	2	Agronomy 18.....	2
Biology 9, 2 †6.....	5	Animal Industry 6.....	2
English 17.....	2	Biology 10, 2 †6.....	5
Elective	2	English 18.....	2
		Elective	3

COLLEGE OF AGRICULTURE

SENIOR YEAR

<i>Fall Semester</i>		<i>Spring Semester</i>	
Subject	Hours	Subject	Hours
Agronomy 3	2	Farm Management 2, †4....	2
Agronomy 15, 1 †2.....	2	Farm Management 72, 2 *3.	3
Farm Management 71, 2 *3...	3	Farm Management 74, 2 *3.	3
Elective	10	Elective	7

Curricula for Students Specializing in Animal Industry

ANIMAL HUSBANDRY

JUNIOR YEAR

Animal Industry 7, 2 †4.....	4	Agricultural Chemistry 6....	2
Bacteriology 1, †6.....	3	Animal Industry 6.....	2
Bacteriology 3.....	2	Animal Industry 52, †2.....	1
Biology 51, 2 †4.....	4	Bacteriology 52, †6.....	3
English 17.....	2	Biology 52, 2 †4.....	4
Elective	3	English 18.....	2
		Veterinary Science 14.....	3
		Veterinary Science 16.....	1

SENIOR YEAR

Agronomy 3.....	2	Animal Industry 54.....	2
Animal Industry 53.....	2	Farm Management 2, †4....	2
Farm Management 71, 2 *3..	3	Farm Management 72, 2 *3.	3
Veterinary Science 15.....	2	Elective	11
Veterinary Science 17.....	1		
Veterinary Science 19.....	2		
Elective	6		

DAIRY HUSBANDRY

JUNIOR YEAR

Animal Industry 7, 2 †4.....	4	Agricultural Chemistry 6....	2
Bacteriology 1, †6.....	3	Animal Industry 6.....	2
Bacteriology 3.....	2	Animal Industry 8, 1 *6....	3
English 17.....	2	Bacteriology 52, †6.....	3
Elective	7	English 18.....	2
		Veterinary Science 14.....	3
		Veterinary Science 16.....	1
		Elective	3

UNIVERSITY OF MAINE

SENIOR YEAR

<i>Fall Semester</i>		<i>Spring Semester</i>	
Subject	Hours	Subject	Hours
Agronomy 3.....	2	Bacteriology 54, †4 or †6..	2 or 3
Animal Industry 9, 2 *6.....	4	Farm Management 2, †4 ...	2
Animal Industry 51.....	3	Farm Management 72, 2 *3..	3
Farm Management 71, 2 *3...	3	Elective.....	10 or 9
Veterinary Science 15.....	2		
Veterinary Science 17.....	1		
Elective	3		

POULTRY HUSBANDRY

JUNIOR YEAR

Animal Industry 7, 2 †4.....	4	Agricultural Chemistry 6....	2
Bacteriology 1, †6	3	Animal Industry 6.....	2
Bacteriology 3.....	2	Biology 52, 2 †4.....	4
Biology 51, 2 †4.....	4	English 18.....	2
English 17.....	2	Poultry Husbandry 4.....	2
Poultry Husbandry 3, 1 †2...	2	Elective	7
Elective	2		

SENIOR YEAR

Agronomy 3.....	2	Farm Management 2, †4....	2
Farm Management 71, 2 *3...	3	Farm Management 72, 2 *3..	3
Poultry Husbandry 5.....	2	Poultry Husbandry 6, 3 †2..	4
Poultry Husbandry 7, 2 †2...	3	Veterinary Science 12.....	2
Elective	7	Elective	6

Curriculum in Biology

JUNIOR YEAR

Bacteriology 3.....	2	Bacteriology 2, †6.....	3
English 17.....	2	English 18.....	2
Geology 5.....	3	Modern Language.....	2

COLLEGE OF AGRICULTURE

<i>Fall Semester</i>		<i>Spring Semester</i>	
Subject	Hours	Subject	Hours
Modern Language	3	Animal Embryology 52 .	} 4
Plant Histology 61.....	} 4	or	
or			Plant Physiology 62.....
Vertebrate Anatomy 51 ...		Plant Pathology 66.....	
Elective	3	or	
		Elective	} 4
		Elective	

SENIOR YEAR

Animal Physiology 53.....	} 4	Animal Embryology.....	} 4
or Plant Taxonomy and Morphology 63.....		or	
Biology Seminar.....	1	Animal Histology 54....	} 4
Thesis or Elective.....	3	or Plant Pathology 66	
Vertebrate Anatomy 51....	} 4	or Elective	} 3
or			Biology Seminar.....
Plant Histology 61.....		Thesis or Elective.....	3
Elective	6½	Elective.....	6 or 7

Curriculum in Forestry

FRESHMAN YEAR

Chemistry 1 or 3.....	2	Botany 2, 2, †4.....	4
Chemistry 5, †4.....	2	Chemistry 2 or 4.....	3
Drawing 1, *6.....	2	Chemistry 6, †4.....	2
English 7.....	2	Drawing 2, *6.....	2
Forestry 1.....	2	English 8.....	2
Mathematics 11.....	3	Mathematics 2.....	3
Military 1, *3.....	1	Mathematics 12.....	2
Zoology 1, 2 †4.....	4	Military 2, *3.....	1
Physical Training.....	½	Physical Training.....	1

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SOPHOMORE YEAR

<i>Fall Semester</i>		<i>Spring Semester</i>	
Subject	Hours	Subject	Hours
Agronomy 1, 2 *3.....	3	Biology 8, 2 †4.....	4
Biology 67, 2 †4.....	4	Biology 68, 2 †4.....	4
Civil Engineering 1.....	2½	Civil Engineering 2.....	1
Economics 1b.....	2	Civil Engineering 4.....	1
English 9.....	2	Economics 2b.....	2
Military 1, *3.....	1	English 10.....	2
Modern Language.....	3	Forestry 10.....	1
Public Speaking 3.....	1	Military 2, *3.....	1
		Modern Language.....	2
		Public Speaking 4.....	1

JUNIOR YEAR

Biology 61, 2 †4.....	4	Biology 62, 2 †4.....	4
Civil Engineering 21.....	1	Civil Engineering 22.....	2
Civil Engineering 23.....	1	Civil Engineering 24.....	2
Civil Engineering 27.....	1	Forestry 4.....	1
Forestry 11.....	2	Forestry 6.....	2
Forestry 13, *6.....	2	Forestry 8, *6.....	2
Horticulture 5, 2 †2.....	3	Forestry 28.....	1
Modern Language.....	3	Modern Language.....	2
Elective	3	Elective	3

SENIOR YEAR

Forestry 3.....	2	Biology 66 or 64.....	3
Forestry 5.....	1	Forestry 12.....	2
Forestry 9.....	1	Forestry 14, *6.....	2
Forestry 15.....	2	Forestry 16.....	2
Forestry 17, *6.....	2	Forestry 18, *6.....	2
Forestry 19.....	2	Forestry 20.....	2
Forestry 21, *6.....	2	Forestry 24.....	1
Elective	6	Elective	3

COLLEGE OF AGRICULTURE

Curriculum in Home Economics

FRESHMAN YEAR

<i>Fall Semester</i>		<i>Spring Semester</i>	
Subject	Hours	Subject	Hours
Chemistry 1.....	2	Chemistry 2.....	3
Chemistry 5, †4.....	2	Chemistry 6, †4.....	2
English 7.....	2	English 8.....	2
History 7.....	3	History 8.....	3
Home Economics 1, 2 †4.....	4	Home Economics 2, 2 †4...	4
Home Economics 3, 1 †2.....	2	Home Economics 4, 1 †4...	3
Home Economics 13, †4.....	2	Physical Training.....	1
Physical Training.....	1/2		

SOPHOMORE YEAR

Art 3.....	2	Art 4.....	2
Biochemistry 9, 2 †2.....	3	Food Analysis 8, 1 †6.....	4
Elementary Physiology 5, 2 †4	4	Botany 2, 2 †4.....	4
English	3	English 30.....	3
Home Economics 5, 2 †4.....	4	Home Economics 6, 2 †4..	4
Psychology 51	3	Psychology 52	3
Physical Training.....	1/2	Physical Training.....	1

JUNIOR YEAR

Bacteriology 1, †6.....	3	Physics 8, 4 †2.....	5
Bacteriology 3	2	Home Economics 8, †6.....	3
Biochemistry 7, 3 †4.....	5	Home Economics 10, 3 †4..	5
Home Economics 7, 2 †4....	4	Home Economics 14.....	3
Home Economics 9.....	3	Elective	3
Elective	3		

SENIOR YEAR

Home Economics 17, 1 †4....	3	Home Economics 12.....	4
Sociology 55.....	3	Home Economics 18, 1 †4..	3
Economics 1b.....	2	Sociology	3

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Home Economics 21 or 22, †9—3 credit hours required in either fall or spring semester.

Electives—14 credit hours for the year.

Students desiring to prepare for teaching under the Vocational Education requirements must complete 15 hours of education as follows: Education 51, 52, 77, 84 or 71, and 75 or 76; also Home Economics 16.

Students desiring to secure the Professional Secondary Certificate must complete 12 hours of education as follows: Education 51, 52, 77 and one of the following courses, Education 84, 71, 75 or 76.

Curriculum in Horticulture

JUNIOR YEAR

<i>Fall Semester</i>		<i>Spring Semester</i>	
Subject	Hours	Subject	Hours
Bacteriology 3.....	2	Agricultural Chemistry 6....	2
Biology 9, 2 †6.....	5	Animal Industry 6.....	2
English 17.....	2	Bacteriology 2, †6.....	3
Horticulture 1, 2 †2.....	3	Biology 10, 2 †6.....	5
Horticulture 7, 2 †2.....	3	English 18.....	2
Horticulture 9, 2 †2.....	3	Horticulture 10.....	2
		Elective	2

SENIOR YEAR

Agronomy 3.....	2	Farm Management 2 †4....	2
Farm Management 71, 2 *3...	3	Horticulture 4, 2 †2.....	3
Horticulture 3, 2 †2.....	3	Horticulture 8, 2 †2.....	3
Horticulture 5, 2 †2.....	3	Horticulture 52.....	1
Horticulture 51.....	1	Elective	9
Elective	6		

COLLEGE OF AGRICULTURE

AGRICULTURAL EDUCATION

These courses are open only to students who expect to become Smith-Hughes teachers.

1. INTRODUCTION TO THE SCIENTIFIC STUDY OF EDUCATION.—*Three hours a week.*
2. METHODS OF TEACHING IN HIGH SCHOOLS.—*Three hours a week.*
3. VOCATIONAL EDUCATION.—*Three hours a week.*
5. SPECIAL METHODS IN AGRICULTURE.—*Three hours a week.*
6. PRACTICE TEACHING IN AGRICULTURE.—Prerequisite, Agricultural Education 2, and Agricultural Education 5. *Five actual hours, three credit hours.*

AGRONOMY

Soils

1. SOILS.—Class room, *two hours a week*; laboratory, **three hours a week.*
3. SOIL FERTILITY.—*Two hours a week.*
52. SOIL SURVEYING AND MAPPING.—Class room, *two hours a week*; laboratory, **three hours a week.*
54. SOIL FERTILITY.—Prerequisites, Courses 1 and 3. *Two hours a week.*

Crops

11. FIELD CROPS.—Laboratory, *†four hours a week.*
12. FIELD CROPS. JUDGING AND COMMERCIAL GRADING.—Class room, *one hour a week*; laboratory, *†two hours a week.*
13. FIELD CROPS. JUDGING AND COMMERCIAL GRADING.—Class room, *one hour a week*; laboratory, *two hours a week.*
14. FIELD CROPS. CORN.—Class room, *one hour a week*; laboratory, *†two hours a week.*

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15. FIELD CROPS. ROOTS AND TUBERS.—Class room, *one hour a week*; laboratory, †*two hours a week*.
16. FIELD CROPS. GRASSES AND FORAGE CROPS.—Class room, *one hour a week*; laboratory, †*two hours a week*.
18. FIELD CROPS. CROP IMPROVEMENT.—Prerequisites, Courses 11 and 12. *Two hours a week*.
62. SYSTEMATIC FIELD CROPS.—*Two or more hours a week*.
63. SYSTEMATIC FIELD CROPS.—A continuation of Course 62. *Two or more hours a week*.
65. SEMINAR.—*One hour a week*.
66. SEMINAR.—A continuation of Course 65. *One hour a week*.
- 67, 68. THESIS.—*Three hours a week*.

FARM MANAGEMENT AND AGRICULTURAL ENGINEERING

2. FARM ACCOUNTING. (a) FARM MATHEMATICS. (b) FARM RECORDS AND ACCOUNTS.—†*Four hours a week*.
71. AGRICULTURAL ENGINEERING AND RURAL ARCHITECTURE. (a) AGRICULTURAL ENGINEERING. (b) RURAL ARCHITECTURE.—*Class room, two hours a week*; laboratory, **three hours a week*.
72. FARM MECHANICS AND MACHINERY. (a) FARM MECHANICS. (b) FARM MACHINERY.—*Class room, two hours a week*; laboratory, **three hours a week*.
73. HISTORY AND ECONOMICS OF AGRICULTURE. (a) HISTORY OF AGRICULTURE. (b) ECONOMICS.—*Class room, two hours a week*; laboratory, †*two hours a week*.
74. FARM MANAGEMENT.—*Class room, two hours a week*; laboratory, **three hours a week*.

ANIMAL INDUSTRY

Animal and Dairy Husbandry

2. TYPES AND BREEDS OF FARM ANIMALS.—*Two hours a week*.
3. CARE, FEED, AND MANAGEMENT OF LIVE STOCK.—Prerequisites, Courses 2 and 4. *Two hours a week*.

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4. LIVE STOCK JUDGING.—To be taken in connection with Course 2. †*Two hours a week.*
5. LIVE STOCK JUDGING.—A continuation of Course 4. †*Two hours a week.*
6. LIVE STOCK FEEDING.—Prerequisites, Course 3, Biochemistry 1 and 2. *Two hours a week.*
7. GENERAL DAIRYING.—Class room, *two hours a week*; laboratory, †*four hours a week.*
8. BUTTER MAKING.—Prerequisite, Course 7. Class room, *one hour a week*; laboratory, †*six hours a week.*
9. CHEESE MAKING.—Prerequisite Course 7. Class room, *two hours a week*; laboratory, **six hours a week.*
51. DAIRY TECHNOLOGY.—Prerequisite Course 7. *Three hours a week.*
52. ADVANCED LIVE STOCK JUDGING AND MANAGEMENT.—†*Two hours a week.*
53. ADVANCED LIVE STOCK FEEDING AND MANAGEMENT.—Prerequisite, Course 6. *Two hours a week.*
54. ADVANCED ANIMAL BREEDING.—Prerequisites, Course 3, and Veterinary Science 14. *Two hours a week.*
- 55, 56. THESIS.—*Three hours a week.*
58. ICE CREAM MAKING.—Prerequisite Course 51. Class room, *one hour a week*; laboratory, *three hours a week.*

Poultry Husbandry

1. TYPES, BREEDS, AND MANAGEMENT OF POULTRY.—Class room, *two hours a week*; laboratory, †*two hours a week.*
2. TYPES, BREEDS, AND MANAGEMENT OF POULTRY.—A continuation of Course 1. Class room, *one hour a week*; laboratory, †*two hours a week.*
3. COMMERCIAL POULTRY FARMING.—Class room, *one hour a week*; laboratory, †*two hours a week.*
4. POULTRY FEEDING.—Prerequisites, Courses 1 and 2. Class room, *two hours a week.*

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5. POULTRY LITERATURE.—Prerequisites, Courses 1, 2, and 4. Class room, *two hours a week*.

6. INCUBATION AND BROODING.—Prerequisites, Courses 1 and 2. Class room, *three hours a week*; laboratory, †*two hours a week*.

7. POULTRY BREEDING.—Prerequisites, Courses 1, 2, and 4. Class room, *two hours a week*; laboratory, †*two hours a week*.

51, 52. THESIS.—*Three hours a week*.

BACTERIOLOGY AND VETERINARY SCIENCE

1. BACTERIOLOGY.—†*Six hours a week*.

2. BACTERIOLOGY.—†*Six hours a week*.

3. BACTERIOLOGY.—*Two hours a week*.

12. VETERINARY SCIENCE.—*Two hours a week*.

14. VETERINARY SCIENCE.—*Three hours a week*.

15. VETERINARY SCIENCE.—Prerequisite, Course 14. *Two hours a week*.

16, 17. VETERINARY SCIENCE.—*One hour a week*.

19. VETERINARY SCIENCE.—*Two hours a week*.

52. BACTERIOLOGY.—Prerequisite, Course 1 or 2. Class room, *one hour a week*; laboratory, †*four hours a week*.

53. BACTERIOLOGY.—Prerequisite, Course 1 or 2. Class room, *one hour a week*; laboratory, †*four hours a week*.

54. BACTERIOLOGY.—Prerequisite, Course 52. †*Four to six hours a week*.

55. BACTERIOLOGY.—Prerequisite, Course 53. †*Four to six hours a week*.

56. BACTERIOLOGY.—Open to all students taking Course 54. Prerequisite, Course 52. *Two hours a week*.

57. BACTERIOLOGY.—Open to all students taking Course 55. Prerequisite, Course 53. *Two hours a week*.

101-102. BACTERIOLOGY.—Advanced work. *Time and hours to be arranged*.

COLLEGE OF AGRICULTURE

BIOLOGICAL AND AGRICULTURAL CHEMISTRY

1. BIOCHEMISTRY.—*Two hours a week.* Prerequisite, Course 9.
2. BIOCHEMISTRY.—Prerequisite, Course 1. Class room, *three hours a week*; laboratory, †*four hours a week.*
3. ECONOMIC GEOLOGY.—*Two hours a week.*
5. GEOLOGY.—*Three hours a week.*
6. AGRICULTURAL CHEMISTRY.—Prerequisite, Course 1. *Two hours a week.*
7. BIOCHEMISTRY.—Class room, *three hours a week*; laboratory, †*four hours a week.*
8. FOOD ANALYSIS.—Class room, *one hour a week*; laboratory, †*six hours a week.*
9. BIOCHEMISTRY.—Class room, *two hours a week*; laboratory, †*two hours a week.*
51. BIOCHEMISTRY.—Prerequisite, Chemistry 52. *Three hours a week.*
52. BIOCHEMISTRY.—Prerequisite, Course 51. †*Four hours a week.*
60. AGRICULTURAL ANALYSIS.—Prerequisites, Chemistry 53 and 60. †*Eight hours a week.*

FORESTRY

1. ECONOMICS OF FORESTRY.—Open to all students. *Two hours a week.*
2. WOODLOT FORESTRY.—Open to all students. *Two hours a week.*
3. WOOD IDENTIFICATION AND USES.—*Two hours a week.*
4. WOOD PRESERVATION.—Second half of semester. *Two hours a week.*
5. HISTORY OF FORESTRY.—Second half of semester. *Two hours a week.*
6. FOREST MENSURATION.—*Two hours a week.*
8. FOREST MENSURATION FIELD WORK.—**Six hours a week.*
9. FOREST PRODUCTS.—First half of semester. *Two hours a week.*
10. FOREST PROTECTION.—*One hour a week.*

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11. FOREST MENSURATION.—*Two hours a week.*
12. PRACTICE OF FORESTRY.—Open to forestry seniors only. *Two hours a week.*
13. FOREST MENSURATION FIELD WORK.—**Six hours a week.*
14. FORESTRY MANAGEMENT.—Open to forestry seniors only. **Six hours a week.*
15. SILVICULTURE.—Prerequisites, Biology 61, 62, 67, and 68. *Two hours a week.*
16. SILVICULTURE.—Prerequisites, Biology 61, 62, 67, and 68. *Two hours a week.*
17. SILVICULTURE FIELD WORK.—**Six hours a week.*
18. NURSERY PRACTICE.—**Six hours a week.*
19. LUMBERING.—*Two hours a week.*
20. FOREST FINANCE.—*Two hours a week.*
21. LUMBERING FIELD WORK.—To be taken with Course 19 only. **Six hours a week.*
22. CURRENT FORESTRY LITERATURE.—*One hour a week.*
23. CURRENT FORESTRY LITERATURE.—*One hour a week.*
24. FORESTRY POLICY.—Open to forestry seniors only. Second half of semester. *Two hours a week.*
- 25, 26. THESIS.—If arranged. *Two to six hours a week.*
28. FORESTRY LAWS.—Given in 1917-18 and alternate years. First half of semester. *Two hours a week.*

HOME ECONOMICS

- 1, 2. TEXTILES AND CLOTHING.—Class room, *two hours a week*; laboratory, †*four hours a week.*
3. DESIGN AND COLOR.—Class room, *one hour a week*; laboratory, †*two hours a week.*
4. DESIGN.—Continuation of Course 3. Class room, *one hour a week*; laboratory, †*four hours a week.*
- 5, 6. FOODS.—Class room, *two hours a week*; laboratory, †*four hours a week.*

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7. DRESS.—Prerequisites, Courses 1, 2, 3, 4. Class room, *two hours a week*; laboratory, †*four hours a week*.

8. DRESS.—Continuation of Course 7. Laboratory, †*six hours a week*.

9. SANITATION.—Prerequisites, Bacteriology 1 and 3. Class room, *three hours a week*.

10. DIETETICS.—Prerequisites, Courses 5 and 6, Biochemistry 7. Class room, *three hours a week*; laboratory, *four hours a week*.

11. FOODS.—Prerequisites, Courses 5, 6, and 10. Class room *one hour a week*, laboratory, †*four hours a week*.

12. HOUSEHOLD MANAGEMENT.—Open only to seniors. Class room *four hours a week*.

13. HANDWORK.—Laboratory, †*four hours a week*.

14. NURSING.—Prerequisites, Bacteriology 1 and 3, and Biology 5. Class room, *three hours a week*.

16. TEACHERS COURSE.—Open only to seniors. Class room, *three hours a week*.

17-18. HOUSE CONSTRUCTION AND FURNISHING.—Prerequisites, Courses 1, 2, 3 and 4. Class room, *one hour a week*; laboratory, †*four hours a week*.

19-20. THESIS.—Open to seniors. *Two to four hours a week*.

21-22. HOUSEHOLD ADMINISTRATION.—Open only to seniors. Laboratory, †*nine hours a week*, *three credit hours*.

HORTICULTURE

1. COMMERCIAL POMOLOGY.—Class room, *two hours a week*; laboratory, †*two hours a week*.

2. PRACTICAL POMOLOGY.—Class room, *two hours a week*; laboratory, **three hours a week*.

3. SYSTEMATIC POMOLOGY.—Prerequisites, Courses 1 and 2. Class room, *two hours a week*; laboratory, †*two hours a week*.

4. VEGETABLE GARDENING.—Class room, *two hours a week*; laboratory, †*two hours a week*.

5. LANDSCAPE GARDENING.—Class room, *two hours a week*; laboratory, †*two hours a week*.

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7. GENERAL FLORICULTURE.—Class room, *two hours a week*; laboratory, †*two hours a week*.

8. GREENHOUSE CONSTRUCTION.—Class room, *two hours a week*; laboratory, †*two hours a week*.

9. SMALL FRUIT CULTURE.—Class room, *two hours a week*; laboratory, †*two hours a week*.

10. PLANT BREEDING.—Prerequisite, Biology 3. *Two hours a week*.

11, 12. THESIS.—*Three hours a week*.

51, 52. SEMINAR.—Prerequisites, Courses 1 and 2. *One hour a week*.

54. FLORICULTURE.—Class room, *two hours a week*; laboratory, †*two hours a week*.

55. FRUITS AND VEGETABLES UNDER GLASS.—Prerequisite, Course 1. Class room, *two hours a week*.

56. PLANT DISEASE CONTROL.—Prerequisites, Courses 1 and 2. Class room, *one hour a week*; laboratory, †*two hours a week*.

COLLEGE OF ARTS AND SCIENCES

College of Arts and Sciences

With the exception of the work in preparation for the study of medicine the College of Arts and Sciences does not prescribe definite curricula. In the freshman year the student chooses subjects representing the various departments of the college—English, foreign language, history, philosophy, science, or mathematics. In the sophomore year a major subject is chosen. (See catalog, page 64.) Attention is called to the fact that courses in German, which were omitted in 1917-1918, will be offered to meet the needs of students who require them for a specific purpose; and a course in beginning Greek, based on Hud-dilston's *Essentials of New Testament Greek*, will be offered beginning with the fall semester.

PRE-MEDICAL CURRICULA

Two-year Course

FIRST YEAR

<i>Fall Semester</i>		<i>Spring Semester</i>	
Subject	Hours	Subject	Hours
General Biology	4	General Biology.....	4
General Chemistry.....	4	General Chemistry.....	4
English	2	English	2
Modern Language	5	Modern Language	5
Military	1	Military	1
Physical Training.....	½	Physical Training.....	1

SECOND YEAR

Vertebrate Anatomy.....	4	Animal Embryology.....	4
Qualitative Analysis	5	Organic Chemistry.....	5
General Physics.....	3	General Physics.....	3
Laboratory Physics.....	2	English	3
Military	1	Military	1
Elective	3	Elective	2

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Three-year Course

FIRST YEAR

<i>Fall Semester</i>		<i>Spring Semester</i>	
Subject	Hours	Subject	Hours
General Biology.....	4	General Biology.....	4
General Chemistry	4	General Chemistry.....	4
English	2	English	2
Modern Language	5	Modern Language.....	5
Military	1	Military	1
Physical Training.....	½	Physical Training.....	1

SECOND YEAR

Vertebrate Anatomy.....	4	Animal Embryology.....	4
Qualitative Analysis.....	5	Organic Chemistry.....	5
General Physics.....	3	General Physics.....	3
Modern Language.....	3	Modern Language.....	2
Laboratory Physics.....	2	Military	1
Military	1		

THIRD YEAR

Animal Physiology.....	4	Animal Histology.....	4
English	3	English	3
Scientific German	2	Scientific German.....	2
Psychology	3	Social Psychology.....	2
Sociology	3	Social Pathology.....	3
Genetics	2	Elective	2

ASTRONOMY

10. DESCRIPTIVE ASTRONOMY.—*Three hours a week.*

15, 16. GENERAL ASTRONOMY.—*Three hours a week.*

59, 60. PRACTICAL ASTRONOMY.—Prerequisites, Ms. 6, 7, 8, As. 10
Three hours a week.

BIOLOGY

1. GENERAL ZOOLOGY.—Class room, *two hours a week*; laboratory, *†four hours a week.*

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2. GENERAL BOTANY.—Prerequisite, Course 1. Class room, *two hours a week*; laboratory, †*four hours a week*.
5. ELEMENTARY PHYSIOLOGY.—For students in Home Economics. Class room, *two hours a week*; laboratory, †*four hours a week*.
7. PRINCIPLES OF BREEDING, OR GENETICS.—Prerequisite, Courses 1 and 2. *Two hours a week*.
8. ENTOMOLOGY.—Prerequisite, Courses 1 and 2. Class room, *two hours a week*; laboratory, †*four hours a week*.
9. PLANT TAXONOMY AND HISTOLOGY. 10. PLANT PHYSIOLOGY AND PATHOLOGY.—Prerequisite courses 1 and 2. Class room, *two hours a week*; laboratory, †*six hours a week*.
14. ELEMENTARY BOTANY.—For two-year Pharmacy students. Class room, *one hour a week*; laboratory, †*four hours a week*.
15. PHARMACEUTICAL HISTOLOGY.—Prerequisite, Course 14. Class room, *one hour a week*; laboratory, †*four hours a week*.
51. VERTEBRATE ANATOMY.—Prerequisite, Courses 1 and 2. Class room, *two hours a week*; laboratory, †*four hours a week*.
52. ANIMAL EMBRYOLOGY.—Prerequisite, Course 51. Class room, *two hours a week*; laboratory, †*four hours a week*.
53. ADVANCED ANIMAL PHYSIOLOGY.—Prerequisite, Course 51. Class room, *two hours a week*; laboratory, †*four hours a week*.
54. ANIMAL HISTOLOGY.—Prerequisite, Course 51. Class room, *two hours a week*; laboratory, †*four hours a week*.
56. VERTEBRATE ANATOMY.—Prerequisite, Course 51. Laboratory, †*four to †eight hours a week*.
- 57, 58. ECONOMIC ENTOMOLOGY.—Prerequisite, Course 8. Laboratory, †*four to †eight hours a week*.
61. PLANT HISTOLOGY.—Prerequisites, Courses 1 and 2. Class room, *two hours a week*; laboratory, †*four hours a week*.
62. PLANT PHYSIOLOGY.—Prerequisite, Course 61. Class room, *two hours a week*; laboratory, †*four hours a week*.
63. PLANT TAXONOMY AND MORPHOLOGY.—Prerequisite, Course 61. *Time varies; counts four credit hours*.
64. PLANT ECOLOGY.—Prerequisite, Course 9 or 61. Class room, *one hour a week*; laboratory, †*four hours a week*. Given in 1919-20 and alternate years.

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67, 68. FOREST BOTANY.—Prerequisites, Courses 1 and 2. Class room, *two hours a week*; laboratory, *†four hours a week*.

71, 72. BIOLOGICAL SEMINAR.—Open to seniors and graduate students. *One hour a week*.

73, 74. THESIS.—*Time varies*.

75, 76. ADVANCED ZOOLOGY.—*Time varies*.

77, 78. ADVANCED BOTANY.—*Time varies*.

ECONOMICS AND SOCIOLOGY

The courses in this department are not open to freshmen.

1a. ELEMENTS OF ECONOMICS.—*Three hours a week*.

1b. ELEMENTS OF ECONOMICS.—*Two hours a week*.

2a. MONEY AND BANKING.—*Three hours a week*.

2b. MONEY AND BANKING.—*Two hours a week*.

3. ELEMENTS OF POLITICS.—*Two hours a week*.

6. BUSINESS LAW.—This course is intended primarily for seniors. *Three hours a week*.

9, 10. ACCOUNTING.—*Three hours a week*.

52. PUBLIC FINANCE.—*Three hours a week*.

55. GENERAL SOCIOLOGY.—*Three hours a week*.

56. SOCIAL PATHOLOGY.—*Three hours a week*.

57. CORPORATION FINANCE.—*Two hours a week*. Given in 1920-21 and alternate years.

59. INSURANCE.—*Three hours a week*. Given in 1920-21 and alternate years.

63. GOVERNMENTS OF EUROPE.—*Three hours a week*. Given in 1919-20 and alternate years.

66. MUNICIPAL GOVERNMENT.—*Two hours a week*. Given in 1919-20 and alternate years.

68. AMERICAN GOVERNMENT.—*Three hours a week*. Given in 1920-21 and alternate years.

71. LABOR PROBLEMS.—*Three hours a week*. Given in 1919-20 and alternate years.

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74. TRANSPORTATION.—*Three hours a week.*
75. BUSINESS ORGANIZATION.—*Three hours a week.*
76. BUSINESS MANAGEMENT.—*Three hours a week.* Given in 1919-20 and alternate years.
79. INTERNATIONAL LAW.—*Three hours a week.* Given in 1920-21 and alternate years.
82. RURAL SOCIOLOGY.—*Two hours a week.* Given in 1920-21 and alternate years.
85. AMERICAN COMMERCE.—*Two hours a week.*
86. AMERICAN COMMERCE.—*Two hours a week.*
87. AMERICAN DIPLOMACY.—*Two hours a week.* Given in 1919-20 and alternate years.
88. AMERICAN DIPLOMACY.—*Two hours a week.* Given in 1919-20 and alternate years.
89. THE FAMILY.—*Two hours a week.* Given in 1919-20 and alternate years.
91. ECONOMIC THEORY.—*Two hours a week.*
- 93, 94. SEMINAR IN AMERICAN GOVERNMENT.—*Two hours a week.*
- 95, 96. SEMINAR IN ECONOMICS.—*Two hours a week.*

EDUCATION

The Courses in Education are arranged to begin the junior year. Courses in Philosophy 51 and 52 taken during the sophomore year are a prerequisite to all courses in education, which are taken to secure credit for the professional secondary certificate. By special permission the beginning courses in education may be taken in connection with the beginning work in philosophy. Education courses 51, 52, and 77 or 78 are constant requirements for the professional secondary certificate. In addition, to secure this certificate it is necessary for the student to elect one of the following courses: Education 75 or 76, Education 84, or Education 71.

- 51, 52. HISTORY OF EDUCATION.—*Three hours a week.*
- 53, 54. CONTEMPORARY MOVEMENTS IN EDUCATION.—Prerequisite, Ed. 51-52. *Two hours a week.*

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58. SCHOOL HYGIENE.—*Two hours a week.*
- 61, 62. ADMINISTRATION AND SUPERVISION OF EDUCATION.—*Three hours a week.*
71. THE PEDAGOGY AND PSYCHOLOGY OF HIGH SCHOOL SUBJECTS. *Three hours a week.*
- 75, 76. PRACTICE TEACHING.—Prerequisite, Ed. 71 or 77. *Five hours of class periods gives four hours credit; three hours, two hours credit.*
- 77, 78. TECHNIQUE OF TEACHING.—*Three hours a week.*
86. PEDAGOGY AND PSYCHOLOGY OF COMMON SCHOOL BRANCHES.—It is designed for superintendents. *Three hours a week.*
- 87, 88. SCHOOL SUPERVISION.—*Two hours a week.*
- 101, 102. SEMINAR IN EDUCATION.—*Two hours a week.*

ENGLISH

- 5, 6. ENGLISH COMPOSITION AND RHETORIC.—Prescribed for freshmen. *Two hours a week.*
- 7, 8. ADVANCED COMPOSITION.—*Two hours a week.*
- 15, 16. TECHNICAL ENGLISH.—For juniors in Agriculture and seniors in Technology. *Two hours a week.*
- 29, 30. HISTORY OF ENGLISH LITERATURE.—An outline course. *Three hours a week.*
- 33, 34. SHAKESPEARE AND THE ENGLISH DRAMA.—*Three hours a week.*
- 37, 38. TENNYSON AND BROWNING.—*Two hours a week.*
- 43, 44. AMERICAN LITERATURE.—An outline course. *Three hours a week.*
45. COMPOSITION AND LITERATURE.—For senior women, required of seniors in Home Economics. *Three hours a week.*
46. SOCIAL IDEALS IN ENGLISH LITERATURE.—*Two hours a week.*
- 51, 52. ENGLISH LITERATURE TO 1400.—*Three hours a week.*
- 53, 54. ENGLISH LITERATURE FROM 1400 TO 1750.—*Three hours a week.*
- 55, 56. ENGLISH LITERATURE FROM 1750 TO 1900.—*Three hours a week.*
- 57, 58. OLD ENGLISH (ANGLO-SAXON).—*Three hours a week.*
- 63, 64. SHORT-STORY, NOVEL, AND DRAMA.—*Two hours a week.*

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FRENCH

- 1, 2. ELEMENTARY FRENCH.—*Five hours a week.*
3. INTERMEDIATE FRENCH.—Open to students who have taken Courses 1 and 2, or an equivalent. *Three hours a week.*
4. INTERMEDIATE FRENCH.—*Two hours a week.*
5. ADVANCED FRENCH.—Open to students who have taken Courses 3 and 4, or an equivalent. *Three hours a week.*
6. ADVANCED FRENCH.—*Two hours a week.*
- 7, 8. ELEMENTARY FRENCH CONVERSATION AND COMPOSITION.—Open to students who have taken Courses 1 and 2, or an equivalent. *Two hours a week.*
- 9, 10. ADVANCED FRENCH CONVERSATION AND COMPOSITION.—Open to students who have taken Courses 7 and 8, or an equivalent. *Two hours a week.*
- 51, 52. HISTORY OF FRENCH LITERATURE.—Open to students who have taken Courses 5 and 6. *Three hours a week.*
53. THE NOVEL IN THE NINETEENTH CENTURY.—Open to students who have taken Courses 5 and 6. *Two hours a week.*
54. THE FRENCH NOVEL IN THE NINETEENTH CENTURY.—Open to students who have taken Courses 5 and 6. *Two hours a week.*
55. THE FRENCH DRAMA IN THE NINETEENTH CENTURY.—Open to students who have taken Courses 5 and 6. *Two hours a week.*
56. THE FRENCH DRAMA IN THE NINETEENTH CENTURY.—Open to students who have taken Courses 5 and 6. *Two hours a week.*
- 57, 58. HOW TO TEACH FRENCH.—Open to students who have taken Courses 9, 10, 51, 52, or an equivalent. *One hour a week.* Given in 1918-19 and alternate years.
- 59, 60. HOW TO WRITE FRENCH.—Open to students who have taken Courses 9, 10, 51, and 52, or an equivalent. *Two hours a week.*
- 101, 102. THE MIDDLE AGES.—Open to students who have taken Courses 51 and 52. *Three hours a week.* Given in 1918-19 and alternate years.
- 103, 104. THE SIXTEENTH CENTURY.—Open to students who have taken Courses 51 and 52. *Two hours a week.* Given in 1919-20 and alternate years.

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105, 106. THE SEVENTEENTH CENTURY.—Open to students who have taken Courses 51 and 52. *Two hours a week.* Given in 1918-19 and alternate years.

107, 108. THE SEVENTEENTH CENTURY.—Open to students who have taken Courses 51 and 52. *Two hours a week.* Given in 1919-20 and alternate years.

109, 110. THE EIGHTEENTH CENTURY.—Open to students who have taken Courses 51 and 52. *Two hours a week.* Given in 1917-18 and alternate years.

111, 112. THE POETRY OF THE NINETEENTH CENTURY.—Open to students who have taken Courses 51 and 52. *Two hours a week.* Given in 1920-21 and alternate years.

GERMAN

Courses in this department have been omitted during 1918-1919. Arrangements will be made in the fall of 1919 to meet the needs of those who require the German language for a specific purpose.

GREEK CIVILIZATION

- 1, 2. CLASSICAL CIVILIZATION.—*Three hours a week.*
3. GREEK PRIVATE LIFE.—*Two hours a week.*
5. BEGINNING GREEK.—*Three hours a week.*
- 11, 12. GENERAL ART HISTORY.—*Two hours a week.*
- 51, 52. GREEK LITERATURE. POETRY.—*Three hours a week.*
4. GREEK RELIGION.—*Two hours a week.*

HISTORY

1. MEDIEVAL HISTORY.—*Three hours a week.*
2. MODERN HISTORY.—Continuation of Course 1. *Three hours a week.*
3. HISTORY OF ENGLAND.—*Two hours a week.*
4. HISTORY OF ENGLAND.—Continuation of Course 3. *Two hours a week.*

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5. HISTORY OF THE UNITED STATES.—Not open to freshmen. *Two hours a week.*

6. RECENT HISTORY.—Not open to freshmen. *Two hours a week.*

7, 8. UNITED STATES HISTORY AND GOVERNMENT.—Freshmen only. *Three hours a week.*

9. UNITED STATES HISTORY FROM 1783 TO 1848.—Not open to freshmen. *Two hours a week.*

10. UNITED STATES HISTORY.—Continuation of Course 9. *Three hours a week.*

51, 52. THE RENAISSANCE.—*Three hours a week.*

53. MODERN CONTINENTAL EUROPE.—*Three hours a week.*

54. MODERN CONTINENTAL EUROPE. FRENCH REVOLUTION.—*Three hours a week.*

55. MODERN CONTINENTAL EUROPE. PERIOD SINCE 1815.—*Three hours a week.*

56, 57. INDUSTRIAL AND SOCIAL HISTORY OF ENGLAND.—*Two hours a week.*

58, 59. HISTORICAL CONSTRUCTION AND CRITICISM.—*One hour a week.*

LATIN

1. LIVY.—*Four hours a week.*

2. CICERO AND HORACE.—*Four hours a week.*

3. TACITUS.—*Three hours a week.*

4. TERENCE AND PLAUTUS.—*Three hours a week.*

51. LATIN COMPOSITION.—*One hour a week.*

52. LATIN COMPOSITION.—*One hour a week.*

53. THE YOUNGER PLINY.—*Three hours a week.*

54. HORACE AND JUVENAL.—*Three hours a week.* Given in 1920-21 and alternate years.

59, 60. ROMAN RHETORIC AND ORATORY.—*Three hours a week.* Given in 1919-20 and alternate years.

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MATHEMATICS

- 1, 3. TRIGONOMETRY AND ALGEBRA.—*Five hours a week.*
2. SOLID GEOMETRY.—*Three hours a week.*
4. SPHERICAL TRIGONOMETRY.—*Two hours a week.*
5. ADVANCED ALGEBRA.—*Three hours a week.*
6. ANALYTIC GEOMETRY.—*Five hours a week.*
- 7, 8. DIFFERENTIAL AND INTEGRAL CALCULUS.—*Five hours a week.*
11. TRIGONOMETRY FOR AGRICULTURAL STUDENTS.—*Three hours a week.*
12. APPLICATIONS OF TRIGONOMETRY.—*Two hours a week.*
- 13, 14. CALCULUS FOR CHEMISTS AND OTHERS.—*Three hours a week.*
- 53, 54. ADVANCED CALCULUS.—*Three hours a week.*
56. DIFFERENTIAL EQUATIONS.—*Two hours a week.*
- 63, 64. TEACHERS' COURSE IN MATHEMATICS.—*Three hours a week.*
- 101, 102. FUNCTIONS OF A COMPLEX VARIABLE.—*Three hours a week.*

MUSIC

- 3, 4. MUSIC APPRECIATION.—*Two hours a week.*
- 5, 6. INTRODUCTORY THEORY AND HARMONY.—Knowledge of notation required. *Two hours a week.*
- 7, 8. ADVANCED HARMONY.—*Two hours a week.*
- 9, 10. COUNTERPOINT.—Open to students who have completed Course 5, 6. *Two hours a week.*
51. INTERPRETATION AND CONDUCTING.—Open to juniors and seniors. *One hour a week.*

PHILOSOPHY

3. HISTORY OF MANKIND.—For freshmen only. *Three hours a week.*
4. SCIENCE OF MORALS.—For freshmen only. *Three hours a week.*
- 51, 52. PSYCHOLOGY.—*Three hours a week.*
- 57, 58. EXPERIMENTAL PSYCHOLOGY.—Laboratory courses, open to a limited number of students. Prerequisite, Philosophy 51. †*Four hours a week.*

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83, 84. HISTORY OF THOUGHT IN EUROPE AND AMERICA.—*Two hours a week.*

PHYSICS

1. GENERAL PHYSICS.—Open to students who have taken Mathematics 1. *Five hours a week.*
2. GENERAL PHYSICS.—*Three hours a week*
3. QUALITATIVE LABORATORY WORK.—*Five hours a week.*
4. LABORATORY PHYSICS.—Open to students who have taken either Course 1 or Course 5. *Five hours a week.*
- 5, 6. GENERAL PHYSICS.—*Three hours a week.*
8. ELEMENTARY PHYSICS.—*Five hours a week.*
9. LABORATORY PHYSICS.—*Five hours a week.*
10. METEOROLOGY.—*Three hours a week.*
11. METEOROLOGY.—*One hour a week* recitation; *two and one-half hours a week* laboratory.
50. OPTICS.—Open to students who have taken Mathematics 8. *Three hours a week.* Given in 1917-18 and alternate years.
51. MECHANICS AND HEAT.—*Five hours a week.*
52. OPTICS.—*Seven and one-half hours a week,* or *five hours a week.*
53. ELECTRICAL MEASUREMENTS.—*Seven and one-half hours a week.*
55. THEORY OF ELECTRICITY AND MAGNETISM.—*Two hours a week.*
57. PROBLEMS IN ELECTRICITY.—*One or two hours a week.*
58. MATHEMATICAL PHYSICS.—*Two hours a week.* Given in 1919-20 and alternate years.
59. THEORY OF ALTERNATING CURRENTS.—*Two hours a week.*
60. SOUND.—Open to students who have taken Mathematics 8. *Two hours a week.* Given in 1916-17 and alternate years.
61. HEAT.—*Three hours a week.* Given in 1917-18 and alternate years.
63. THEORY OF MEASUREMENTS.—*Two hours a week.*
65. PROBLEMS IN THERMODYNAMICS.—*One or two hours a week.*

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69. RADIO-ACTIVITY.—*Two hours a week.* Given in 1917-18 and alterante years.

71. THERMODYNAMICS.—*Two hours a week.*

102. SPECIAL LARORATORY COURSE.—*Seven and one-half hours a week.*

103. RADIATION.—*Two hours a week.* Given in 1916-17 and alter-nate years.

PUBLIC SPEAKING

Courses in this department were omitted in 1918-19. They will be resumed in the fall of 1919.

SPANISH AND ITALIAN

1, 2. ELEMENTARY SPANISH.—*Five hours a week.*

1a, 2a. ELEMENTARY SPANISH.—For students in Home Economics, Agriculture and others whose schedule does not allow a five hour course. *Three hours a week.*

3, 4. SPANISH CONVERSATION AND COMPOSITION.—Prerequisites, Courses 1 and 2. Students in this course are advised to register also for Spanish 5 and 6, or for Spanish 7 and 8. *Two hours a week.*

5, 6. MODERN SPANISH PROSE.—Spanish 3 and 4 must be taken in connection with this course. *Three hours a week.*

7, 8. COMMERCIAL SPANISH.—Open to students who attained a grade of B in Elementary Spanish or who have pursued some advanced course. *Two hours a week.*

9, 10. THE SPANISH AMERICAN COUNTRIES.—No reading in Spanish will be required in this course. Not open to Freshmen. *Two hours a week.*

51, 52. SPANISH CLASSICS.—Prerequisite, 20 hours of Spanish. *Three hours a week.*

53, 54. ADVANCED COMPOSITION AND CONVERSATION.—*Two hours a week.*

55. SPANISH CIVILIZATION.—(Offered in alternate years; not offered in 1919-20). *Two hours a week.*

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56. THE TEACHING OF SPANISH.—(Offered in alternate years, not offered in 1919-20). *Two hours a week.*

101. HISTORICAL GRAMMAR.—*Two hours a week.*

102. OLD SPANISH READINGS.—*Two hours a week.*

(These two courses will be offered in 1919-20 if there is sufficient demand for them on the part of properly qualified students).

1, 2. ELEMENTARY ITALIAN.—Prerequisite, at least one year's work in Spanish or French. (Offered in alternate years; not offered in 1919-20). *Three hours a week.*

51. MODERN ITALIAN LITERATURE.—*Three hours a week.*

52. DANTE.—*Three hours a week.*

Courses 51 and 52 are offered alternate years and will be given in 1919-20.

COLLEGE OF LAW

College of Law

According to the schedule at present in effect in the College of Law, a curriculum covering three years and leading to the degree of LL. B. is proposed, with the following courses and their respective credit hours offered in 1919-20:

FIRST YEAR

<i>Fall Semester</i>		<i>Spring Semester</i>	
Subject	Hours	Subject	Hours
Common Law Pleading	2	Contracts	3
Contracts	3	Criminal Law.....	2
Criminal Law.....	1	Agency	2
Real Property I.....	3	Real Property I.....	2
Torts	3	Torts	3

JUNIOR AND SENIOR YEARS

Insurance	2	Negotiable Paper	3
Damages	2	Real Property II.....	3
Domestic Relations	2	Municipal Corporations	2
Private Corporations.....	2	Private Corporations.....	2
Wills and Administration.....	3	Admiralty	1
Bankruptcy	1	Equity Pleading	1

According to the present plan of alternating the courses of the junior and senior classes, the courses above designated for these classes will be again offered in 1921-22, and thus be available in the senior year for students entering the College of Law in the fall of 1919.

Following the present plan, the following courses will be offered in 1920-21:

COLLEGE OF LAW

FIRST YEAR

The same courses as in 1919-20, these being given each year.

JUNIOR AND SENIOR YEARS

<i>Fall Semester</i>		<i>Spring Semester</i>	
Subject	Hours	Subject	Hours
Public Service Corporations..	2	Conflict of Laws.....	2
Constitutional Law	2	Equity II (Trusts).....	2
Equity I.....	3	Evidence	3
Evidence	2	Partnership	2
Sales	3	Suretyship	3

In addition to the regular courses above stated, which are required of all candidates for the degree of LL. B., certain extra courses will be arranged from the following subjects, Legal Ethics, International Law, Brief Making, and Practice and Moot Court work.

The following is a list of the regular courses at present given in the College of Law. If the present alternating plan is continued, certain of the courses for the senior and junior classes will be omitted next year as indicated.

1. BANKRUPTCY.—*One hour.*
2. ADMIRALTY.—*One hour.*
4. AGENCY.—*Two hours.*
5. PUBLIC SERVICE CORPORATIONS.—*Two hours.* (Omitted 1919-20)
7. COMMON LAW PLEADING.—*Two hours.*
10. CONFLICT OF LAWS.—*Two hours.* (Omitted 1919-20).
11. CRIMINAL LAW.—*One hour.*
13. DAMAGES.—*Two hours.*
15. DOMESTIC RELATIONS.—*Two hours.*
16. CRIMINAL LAW.—*Two hours.*
17. EQUITY I.—*Three hours.* (Omitted 1919-20).
18. EQUITY II. TRUSTS.— *Two hours.* (Omitted 1919-20).
19. EVIDENCE.—*Two hours.* (Omitted 1919-20).

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21. CONSTITUTIONAL LAW.—*Two hours.* (Omitted 1919-20).
22. EVIDENCE.—*Three hours.* (Omitted 1919-20).
24. EQUITY PLEADING.—*One hour.*
30. SURETYSHIP.—*Three hours.* (Omitted 1919-20).
36. PARTNERSHIP.—*Two hours.* (Omitted 1919-20).
37. PRIVATE CORPORATIONS.—*Two hours.*
38. PRIVATE CORPORATIONS.—*Two hours.*
41. REAL PROPERTY I.—*Three hours.*
42. REAL PROPERTY I.—*Two hours.*
43. WILLS AND ADMINISTRATION.—*Three hours.*
44. REAL PROPERTY II.—*Three hours.*
45. SALES.—*Three hours.* (Omitted 1919-20).
49. TORTS.—*Three hours.*
50. TORTS.—*Three hours.*
52. MUNICIPAL CORPORATIONS.—*Two hours.*
53. CONTRACTS.—*Three hours.*
54. CONTRACTS.—*Three hours.*
55. INSURANCE.—*Two hours.*
60. NEGOTIABLE PAPER.—*Three hours.*

COLLEGE OF TECHNOLOGY

College of Technology

Chemical Engineering Curriculum

Option I

FRESHMAN YEAR

<i>Fall Semester</i>		<i>Spring Semester</i>	
Subject	Hours	Subject	Hours
Chemistry 1 or 3.....	2	Chemistry 2 or 4.....	3
Chemistry 5, †4.....	2	Chemistry 6, †4.....	2
Drawing 3, *6.....	2	Drawing 2, *6.....	1
English 7.....	2	English 8.....	2
German 1 or French 3.....	5	German 2 or French 4.....	5
Mathematics 1-3.....	5	Mathematics 6.....	5
Military 1, *3.....	1	Military 2, *3.....	1
Physical Training *2.....	1/2	Physical Training *2.....	1

SOPHOMORE YEAR

Chemistry 11a.....	1	Chemistry 40, †10.....	5
Chemistry 11b, †10.....	5	Physics 2.....	3
Physics 1.....	5	Physics 4, †5.....	2
Mathematics 13.....	3	Mathematics 14.....	2
Public Speaking.....	1	Mechanical Eng. 58.....	2
Military 1.....	1	Public Speaking.....	1
		Woodworking *4.....	1 1/2
		Military 2.....	1

JUNIOR YEAR

Chemistry 51, 3 and †4.....	5	Chemistry 52, 3 and †4....	5
Chemistry 61, †8.....	4	Chemistry 62, †8.....	4
Chemistry 71.....	3	Chemistry 72.....	2
Mechanical Eng. 83.....	3	Chemistry 74, †6.....	3
Physics 53, †4.....	1 1/2	Chemistry 76.....	2
German 15.....	2	Electrical Eng. 30.....	2
		Elective.....	2

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SENIOR YEAR

<i>Fall Semester</i>		<i>Spring Semester</i>	
Subject	Hours	Subject	Hours
Chemistry 63, †8.....	4	Chemistry 98, †10.....	5
Chemistry 77.....	3	Chemistry 94.....	1
Electrical Eng. 31.....	2	Mechanics 11.....	2
Electrical Eng. 33, †4.....	2	English 16.....	2
Mechanical Eng. 75, †3.....	1½	Four hours from the	
Elective	3	following:	
		Chemistry 58.....	}
		Chemistry 88.....	
		Chemistry 96.....	
		Chemistry 102.....	
		Elective	3

Option II

Paper and Pulp Curriculum

FRESHMAN YEAR *Same as Option I*

SOPHOMORE YEAR

Chemistry 11a.....	1	Chemistry 40, †10.....	5
Chemistry 11b, †10.....	5	Physics 2.....	3
Physics 1.....	5	Physics 4, †5.....	2
Mathematics 13.....	3	Mathematics 14.....	3
Biology 17.....	1	Mechanical Eng. 58.....	2
Public Speaking.....	1	Public Speaking.....	1
Military 1.....	1	Forestry 2.....	2
		Woodworking *4.....	1½
		Military 2.....	1

JUNIOR YEAR

Chemistry 51, 3 and †4.....	5	Chemistry 52, 3 and †4....	5
Chemistry 61, †8.....	4	Chemistry 62, †8.....	4
Chemistry 71.....	3	Chemistry 72.....	2
Chemistry 81.....	2	Chemistry 74, †6.....	3
Mechanical Eng. 83.....	3	Chemistry 82, †4.....	2
Forestry 9.....	1	Chemistry 84.....	2
		Electrical Eng. 30.....	2

COLLEGE OF TECHNOLOGY

SENIOR YEAR

<i>Fall Semester</i>		<i>Spring Semester</i>	
Subject	Hours	Subject	Hours
Chemistry 55, †4	2	Chemistry 98, †10	5
Chemistry 83.....	4	Chemistry 86, †2.....	1
Chemistry 77.....	3	Chemistry 88, †4	2
Chemistry 87, †4	2	Chemistry 94.....	1
Mechanical Eng. 75, †3	1½	Mechanical Eng. 98.....	2
Electrical Eng. 33, †4	2	Economics 6.....	3
Electrical Eng. 31.....	2	English 16.....	2
German 15.....	2		

Chemistry Curriculum

FRESHMAN YEAR *Same as in Chemical Engineering*

SOPHOMORE YEAR

Chemistry 11a	1	Chemistry 40, †10	5
Chemistry 11b, †10.....	5	Physics 2.....	3
Physics 1.....	5	Physics 4, †5	2
Mathematics 13.....	3	Mathematics 14.....	2
Public Speaking.....	1	Bacteriology 2, †6.....	3
Military	1	Public Speaking.....	1
		Military 1	1

JUNIOR YEAR

Chemistry 51, 3 and †4.....	5	Chemistry 52, 3 and †4....	5
Chemistry 61, †8	4	Chemistry 62, †8	4
Chemistry 71.....	3	Chemistry 72.....	2
Physics 71.....	2	Chemistry 74, †6	3
Physics 51, †4.....	1½	Chemistry 76.....	2
German 15.....	2	Elective	3
Elective	2		

UNIVERSITY OF MAINE

SENIOR YEAR

<i>Fall Semester</i>		<i>Spring Semester</i>	
Subject	Hours	Subject	Hours
Chemistry 77.....	3	Chemistry 98, †10	5
Biochemistry 51.....	3	Chemistry 94.....	1
At least six hours from the following:		At least six hours from the following:	
Chemistry 55.....		Chemistry 58.....	
Chemistry 101.....	6	Chemistry 88.....	
Chemistry 63.....		Chemistry 96.....	6
Chemistry 105.....		Chemistry 102.....	
Elective	7	Biochemistry 60.....	
		English	2

Civil Engineering Curriculum

FRESHMAN YEAR

Chemistry 1 or 3.....	2	Chemistry 2 or 4.....	2
Chemistry 5.....	2	Chemistry 6.....	2
Drawing 1.....	2	Drawing 2.....	2
English 5.....	2	English 6.....	2
Mathematics 1 and 3.....	5	Mathematics 6.....	5
Military 1	1	Military 1	1
Modern Language.....	5	Modern Language	5
Physical Training.....	½	Physical Training.....	1

SOPHOMORE YEAR

Civil Engineering 1 and 7... 2½	Civil Engineering 2 and 4.. 2½
Drawing 3..... 2	Civil Engineering 6..... 2
Public Speaking 3..... 1	Public Speaking 4
Mathematics 7..... 5	Mathematics 8..... 5
Military 1	Military 1
Physics 1..... 5	Drawing 4..... 2
Economics 1b..... 2	Physics 4..... 2
	Physics 2..... 3
	Economics 2b..... 2

COLLEGE OF TECHNOLOGY

JUNIOR YEAR

<i>Fall Semester</i>		<i>Spring Semester</i>	
Subject	Hours	Subject	Hours
Civil Engineering 25.....	2	Civil Engineering 20.....	2
Civil Engineering 21 and 23.	2	Civil Engineering 26.....	3
Civil Engineering 29.....	2	Civil Engineering 28.....	3
Biological Chemistry 3.....	2	Civil Engineering 22.....	2
Mechanics 51	5	Mechanics 52	5
Physics 51.....	2	Mechanical Engineering 74.	1
English	2	Civil Engineering 30.....	2
Mathematics 57.....	3	Civil Engineering 54.....	1

Summer Work—I

SENIOR YEAR

Civil Enginereing 57.....	3	Civil Engineering 58.....	3
Civil Engineering 59.....	4½	Civil Engineering 60.....	2
Civil Eng. 55 and 51.....	} 4	Civil Engineering 62.....	3
or		Civil Engineering 52....	} 4
Civil Eng. 63 and 53.....	and	Electrical Eng. 42.....	
History 5.....	2	or	
English 15.....	2	Civil Eng. 68 and 72..	
Civil Engineering 61.....	1	or	
		Civil Eng. 64 and 66..	} 3
		Economics 6.....	

Electrical Engineering Curriculum

FRESHMAN YEAR

Chemistry 1 or 3.....	2	Chemistry 2 or 4.....	2
Chemistry 5, †4	2	Chemistry 6, †4	2
Drawing 1, *6.....	2	Drawing 2, *6	2
English 7.....	2	English 8.....	2
Mathematics 1-3	5	Mathematics 6.....	5
Modern Language	5	Modern Language.....	5
Military 1, *3.....	1	Military 2, *3.....	1
Physical Training *2.....	½	Physical Training.....	1

UNIVERSITY OF MAINE

SOPHOMORE YEAR

<i>Semester</i>		<i>Spring Semester</i>	
Subject	Hours	Subject	Hours
Electrical Eng. 1.....	2	Electrical Eng. 2.....	2
Electrical Eng. 3.....	1	Drawing 4, *6.....	2
Drawing 3, *6.....	2	Mathematics 8.....	5
Mathematics 7.....	5	Physics 2.....	3
Physics 1.....	5	Physics 4, ‡5.....	2
Public Speaking 1.....	1	Public Speaking 2.....	1
Civil Engineering 3-5.....	2	Mechanical Eng. 56.....	3
Military 1.....	1	Military 1.....	1

JUNIOR YEAR

Electrical Eng. 5.....	4	Electrical Eng. 6.....	4
Electrical Eng. 7.....	3	Electrical Eng. 8.....	3
Economics 1b.....	2	Economics 2b.....	2
Mechanics 51.....	5	Mechanics 52.....	5
Mechanical Eng. 9.....	1	Mechanical Eng. 10.....	1
Physics 53, ‡7½.....	3	Mechanical Eng. 84.....	3
Public Speaking 3.....	1	Public Speaking 4.....	1

SENIOR YEAR

Electrical Eng. 51.....	5	Electrical Eng. 52.....	4
Electrical Eng. 61 or 63.....	2	Electrical Eng. 54.....	1
Electrical Eng. 75.....	3	Electrical Eng. 56.....	3
Civil Eng. 33.....	1	Electrical Eng. 60 or 64....	2
Civil Eng. 35.....	2	Electrical Eng. 76.....	3
English 15.....	2	Economics 6.....	3
Mechanical Eng. 77.....	1	Inspection Trip	
Mechanical Eng. 85.....	3	Thesis	

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Mechanical Engineering Curriculum

FRESHMAN YEAR

<i>Fall Semester</i>		<i>Spring Semester</i>	
Subject	Hours	Subject	Hours
Chemistry 1 or 3.....	2	Chemistry 2 or 4.....	2
Chemistry 5, †4.....	2	Chemistry 6, †4.....	2
Drawing 1, *6.....	2	Drawing 2, *6.....	2
English 7.....	2	English 8.....	2
Mathematics 1-3.....	5	Mathematics 6.....	5
Military 1, *3.....	1	Military 2, *3.....	1
Modern Language.....	5	Modern Language.....	5
Physical Training *2.....	1/2	Physical Training *2.....	1

SOPHOMORE YEAR

Drawing 3, *6.....	2	Drawing 4, *6.....	2
Mathematics 7.....	5	Mathematics 8.....	5
Mechanical Eng. 1, *3.....	1	Mechanical Eng. 2, *6.....	2
Mechanical Eng. 3, *3.....	1	Mechanical Eng. 54.....	3
Mechanical Eng. 53.....	1	Military 2, *3.....	1
Military 1, *3.....	1	Physics 2.....	3
Civil Eng. 3.....	1	Physics 4, †5.....	2
Civil Eng. 5.....	1	Public Speaking 2.....	1
Physics 1.....	5		
Public Speaking 1.....	1		

JUNIOR YEAR

Mechanical Eng. 7, *6.....	2	Mechanical Eng. 8, *6.....	2
Mechanical Eng. *59.....	1	Mechanical Eng. 66.....	3
Mechanical Eng. 61.....	2	Mechanical Eng. 68.....	2
Mechanical Eng. 69, †2.....	1	Mechanical Eng. 70, †3.....	1 1/2
Mechanical Eng. 79.....	3	Mechanical Eng. 80.....	3
Mechanics 51.....	5	Mechanics 52.....	5
Physics 51, †5.....	2	Electrical Eng. 30.....	2
Economics 1-b.....	2	Public Speaking 4.....	1
Public Speaking 3.....	1		

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SENIOR YEAR

<i>Fall Semester</i>		<i>Spring Semester</i>	
Subject	Hours	Subject	Hours
Mechanical Eng. 67, *6.....	2	Civil Eng. 60.....	2
Mechanical Eng. 71, †3.....	1½	Mechanical Eng. 72, †3.....	1½
Mechanical Eng. 81.....	2	Mechanical Eng. 82.....	2
Mechanical Eng. 91.....	2	Mechanical Eng. 88, *6....	2
Civil Eng. 33.....	1	Mechanical Eng. 94.....	1½
Civil Eng. 35.....	2	Mechanical Eng. 96.....	1
Electrical Eng. 31.....	2	Mechanical Eng. 98.....	2
Electrical Eng. 33, †3.....	1½	History 6.....	2
English 15.....	2	Electrical Eng. 34, †2.....	1
Philosophy 51.....	3	Inspection Trip	
		Thesis	

CHEMISTRY

- 1, 3. GENERAL CHEMISTRY.—*Two hours a week.*
- 2, 4. GENERAL CHEMISTRY.—*Two hours a week.*
- 5, 6. LABORATORY CHEMISTRY.—*†Four hours a week.*
- 11. QUALITATIVE ANALYSIS.—*Lecture, one hour a week; laboratory, †ten hours a week.*
- 13. QUALITATIVE ANALYSIS FOR PHARMACISTS.—*†Sixteen hours a week.*
- ORGANIC CHEMISTRY FOR PRE-MEDICALS.—*Three hours lecture; †four hours laboratory.*
- 40. ELEMENTARY QUANTITATIVE ANALYSIS.—*†Ten hours a week.*
- 41. ANALYSIS OF PHARMACEUTICAL PRODUCTS.—*†Eight hours a week.*
- 51. ORGANIC CHEMISTRY.—*Three hours lecture; †four hours laboratory.*
- 53. ORGANIC CHEMISTRY.—*Continuation of 52. Three hours a week lecture; †four hours laboratory.*
- 55. CELLULOSE.—*†Four hours.*
- 58. ORGANIC PREPARATIONS.—*†Six hours.*
- 59. DYEING.—*†Two hours a week.*
- 61. QUANTITATIVE ANALYSIS.—*†Eight hours.*
- 62. QUANTITATIVE ANALYSIS.—*†Eight hours.*

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63. TECHNICAL ANALYSIS.—†*Eight hours.*
51. PHYSICAL CHEMISTRY.—*Three hours.*
72. PHYSICAL CHEMISTRY.—*Three hours.*
74. PHYSICO-CHEMICAL METHODS.—†*Six hours a week.*
76. METALLURGY.—*Two hours.*
77. INDUSTRIAL CHEMISTRY.—*Three hours.*
81. PAPER.—*Two hours.*
82. PAPER MANUFACTURE.—†*Four hours.*
83. PAPER AND PULP ANALYSIS.—†*Eight hours.*
84. PULP.—*Two hours.*
86. BLEACHING OF PULP.—†*Two hours.*
87. PAPER TESTING.—†*Four hours.*
88. PAPER COLORING.—See Course in Dyeing.
- 93, 94. CHEMICAL LITERATURE.—*One hour a week.*
96. MINERALOGY.—†*Four hours.*
98. THESIS WORK.—†*Ten hours.*
101. ADVANCED ORGANIC CHEMISTRY.—*Three hours.*
102. QUALITATIVE ANALYSIS, ORGANIC.—†*Four hours.*
105. ELECTROCHEMISTRY.—*Three hours.*

CIVIL ENGINEERING

1. PLANE SURVEYING. FIELD WORK.—**Six hours a week.* First nine weeks.
2. PLOTTING. DRAWING ROOM.—Courses 1-7 are prerequisite. **Eight hours a week.* First twelve weeks.
3. PLANE SURVEYING.—*Two hours a week.* Last nine weeks.
4. PLANE SURVEYING. FIELD WORK.—Course 1 is prerequisite. **Six hours a week.* Last six weeks.
5. PLANE SURVEYING. FIELD WORK.—**Six hours a week.* First six weeks.
6. RAILROAD CURVES.—Course 7 or 3 is prerequisite. *Two hours a week.*
7. PLANE SURVEYING.—*Three hours a week.* Last nine weeks.
20. MASONRY CONSTRUCTION.—*Two hours a week.*
21. RAILROAD FIELD WORK.—Course 4 and Course 6 or 27 are prerequisite. **Six hours a week.* First nine weeks.

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22. ADVANCED SURVEYING.—Course 21 is prerequisite. *Two hours a week.*
25. RAILROAD CONSTRUCTION.—Course 6 or 27 is prerequisite. *Two hours a week.*
26. HYDRAULICS.—*Three hours a week.*
27. SIMPLE CURVES AND EARTHWORK.—Courses 1-4 or Courses 3-5 are prerequisite. *One hour a week.*
28. STRUCTURES.—Class room, *two hours a week.* Drawing room, †*two hours a week.*
29. SANITARY ENGINEERING.—*Two hours a week.*
30. HIGHWAY CONSTRUCTION.—Course 6 or 27 is prerequisite. *Two hours a week.*
33. FOUNDATIONS.—*One hour a week.*
35. HYDRAULICS.—*Two hours a week.*
51. HYDRAULIC FIELD WORK.—Course 26 is prerequisite. †*Four hours a week.*
52. HYDRAULIC ENGINEERING.—Courses 51 and 55 are prerequisite. *Two hours a week.*
53. HYDRAULIC FIELD WORK.—Course 26 is prerequisite. †*Two hours a week.*
54. CEMENT LABORATORY.—†*Two hours a week.*
55. HYDRAULIC ENGINEERING.—Course 26 is prerequisite. *Two hours a week.*
57. STRUCTURES.—Course 28 is prerequisite. *Three hours a week.*
58. STRUCTURES.—Course 57 is prerequisite. *Three hours a week.*
59. STRUCTURAL DESIGNING.—Course 28 is prerequisite. †*Nine hours a week.*
60. GRAPHIC STATICS.—Course 57 is prerequisite. *Two hours a week.*
61. ROAD MATERIALS LABORATORY.—Course 30 and Freshman Chemistry are prerequisite. †*Two hours a week.*
62. STRUCTURAL DESIGNING.—Course 59 is prerequisite. †*Six hours a week.*
63. RAILROAD ENGINEERING.—Course 25 is prerequisite. *Three hours a week.*
64. RAILROAD DESIGN.—Drawing room. Course 63 is prerequisite. †*Four hours a week.*
66. RAILROAD ENGINEERING.—Seminar. Course 63 is prerequisite. *Two hours a week.*

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68. HIGHWAY DESIGN.—Drawing room. Course 63 is prerequisite.
†*Four hours a week.*

72. HIGHWAY ENGINEERING.—Seminar. Course 63 is prerequisite.
Two hours a week.

97-98. THESIS WORK.—*Time to be arranged.*

ELECTRICAL ENGINEERING

1, 2. ELEMENTARY ELECTRICITY.—*Two hours a week.*

3. ENGINEERING SURVEY.—*One hour a week.*

5, 6. ELEMENTS OF ELECTRICAL ENGINEERING.—Prerequisite 1, 2.
Three hours a week.

7, 8. LABORATORY WORK.—Prerequisite, 1, 2. †*Four hours a week.*

30. DIRECT CURRENT MACHINERY.—*Two hours a week.*

31. ALTERNATING CURRENTS.—*Two hours a week.*

33, 34. ELECTRICAL LABORATORY.—†*Four hours a week.*

42. ELECTRICAL POWER.—*Two hours a week.*

51. ALTERNATING CURRENTS.—Prerequisite 5, 6. *Five hours a week.*

52. ADVANCED ALTERNATING CURRENTS.—Prerequisite 51. *Five hours a week.*

54. TECHNICAL REVIEWS.—Prerequisite 51. *One hour a week.*

56. ELECTRICAL POWER PLANTS.—Prerequisite 51. *Three hours a week.*

60. WIRELESS TELEGRAPHY.—Prerequisite, 51. *Two hours a week.*

61. ILLUMINATING ENGINEERING.—Prerequisite, 5, 6. *Two hours a week.*

63. TELEPHONE ENGINEERING.—Prerequisite, 5, 6. *Three hours a week.*

64. ELECTRIC RAILWAY ENGINEERING.—Prerequisite, 51. *Two hours a week.*

75, 76. LABORATORY WORK.—Prerequisite, 7, 8. †*Four hours a week.*

78. INSPECTION TRIP.—Prerequisite, 51.

80. THESIS WORK.—*Time to be arranged.*

MECHANICS AND DRAWING

1, 2. DRAWING.—The elements of mechanical drawing. **Six hours a week.*

3. DRAWING.—Descriptive geometry. **Six hours a week.*

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4. DRAWING.—Advanced mechanical drawing. **Six hours a week.*
9, 10. DRAWING.—For students in Agriculture. **Three hours a week.*
12. MECHANICS.—For students in Chemical Engineering. *Three hours a week.*
51, 52. MECHANICS.—Applied mechanics for engineers. *Five hours a week.*
101. ADVANCED MECHANICS.—Elective for seniors. *Three hours a week.*

MECHANICAL ENGINEERING

1. FOUNDRY WORK.—**Three hours a week.*
2. WOODWORKING.—**Six hours a week.*
3. FORGE WORK.—**Three hours a week.*
4. WOODWORKING.—For students in Agriculture and Chemical Engineering. **Four hours a week.*
7, 8. MACHINE WORK.—**Six hours a week.*
9, 10. MACHINE WORK.—For Electrical Engineers. **Four hours a week.*
53. ELEMENTS OF MECHANICAL ENGINEERING.—*One hour a week.*
54. KINEMATICS.—For Mechanical Engineers. *Three hours a week.*
56. KINEMATICS.—For Electrical Engineers. *Three hours a week.*
58. KINEMATICS.—For Chemical Engineers. *Two hours a week.*
59. KINEMATICAL DRAWING.—**Three hours a week.*
61. MATERIALS OF ENGINEERING.—*Two hours a week.*
66. MACHINE DESIGN.—*Three hours a week.*
67. MACHINE DESIGN.—Continuation of 66. **Six hours a week.*
68. VALVE GEARS.—*Two hours a week.*
69. MECHANICAL LABORATORY.—*†Two hours a week.*
70. MECHANICAL LABORATORY.—*†Three hours a week.*
71. MECHANICAL LABORATORY.—*†Three hours a week.*
72. MECHANICAL LABORATORY.—*†Three hours a week.*
74. MECHANICAL LABORATORY.—For students in Civil Engineering. *†Two hours a week.*
75. MECHANICAL LABORATORY.—For students in Chemical Engineering. *†Three hours a week.*
77. MECHANICAL LABORATORY.—For students in Electrical Engineering. *†Three hours a week.*

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79. HEAT ENGINEERING.—*Three hours a week.*
80. HEAT ENGINEERING.—*Three hours a week.*
81. HEAT ENGINEERING.—Continuation of 79 and 80. *Two hours a week.*
82. POWER PLANTS.—*Two hours a week.*
83. HEAT ENGINEERING.—For Chemical Engineers. *Three hours a week.*
84. HEAT ENGINEERING.—For Electrical Engineers. *Three hours a week.*
85. HEAT ENGINEERING.—For students in Electrical Engineering. *Three hours a week.*
88. ENGINE DESIGN.—**Six hours a week.*
91. HEATING AND VENTILATION.—*Two hours a week.*
94. HYDRAULIC MACHINERY.—*Two hours a week.* For 13½ weeks.
96. SEMINAR.—*One hour a week.*
98. FACTORY ORGANIZATION AND MANAGEMENT.—*Two hours a week.*

MILITARY SCIENCE AND TACTICS

Military instruction is required by law. The department is in charge of an officer of the United States Army, detailed by the President of the United States for this purpose. United States army rifle, model 1917, ammunition, and accoutrements are furnished by the War Department. The course makes especial preparation for the duties of commissioned officers of the military forces of the country. The students are organized into an infantry regiment and band, officered by cadets selected for character, soldierly bearing, and military efficiency. The corps is instructed and disciplined in accordance with rules established by the President of the United States. These rules include the minimum course of instruction that must be covered, and the minimum time that must be devoted to this instruction.

The uniform prescribed is issued by the government and includes all clothing necessary.

The required courses cover two years' instruction as laid down in War Department orders. For convenience in arranging the schedule, freshmen and sophomores are united in this instruction. It is necessary for each student to complete all four of these courses.

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The elective courses are so scheduled that juniors and seniors may have the privilege of advanced theoretical military instructions in addition to the courses required for cadet officers. These students receive an allowance of forty cents a day, commutation of subsistence.

1, 2. MILITARY ART.—Practical and Theoretical. *Three hours a week* (counting 14 units).

3. MILITARY ART.—Practical and Theoretical. *Three hours a week* (counting 14 units).

4. MILITARY ART.—Practical and Theoretical. *Three hours a week* (counting 14 units).

5. MILITARY ART.—Practical and Theoretical. *Five hours a week* (counting 24 units).

6. MILITARY ART.—Practical and Theoretical. *Five hours a week* (counting 24 units).

7. MILITARY ART.—Practical and Theoretical. *Five hours a week* (counting 24 units).

8. MILITARY ART.—Practical and Theoretical. *Five hours a week* (counting 24 units).

BASIC COURSE

Freshman year, courses 1 and 2 (28 units).

Sophomore year, courses 3 and 4 (28 units).

ADVANCED COURSE

Junior year, courses 5 and 6 (48 units).

Senior year, courses 7 and 8 (48 units).

PHYSICAL CULTURE AND ATHLETICS

1. PHYSICAL TRAINING.—Classes are under Military discipline during the entire period of instruction. *One hour* lecture and *two hours* practice a week.

2. PHYSICAL TRAINING.—Intermediate and advanced class exercises, practice in instruction. *One hour* lecture and *two hours* practice.

3. PHYSICAL TRAINING.—An elective course. *Five hours* practice.

4. PRACTICAL HYGIENE.—*Two hours a week*.

5, 6. PHYSICAL TRAINING.—A course for all women students of the first year and for students of second year Home Economics. *Three hours a week*.

UNIVERSITY OF MAINE

Home Economics 21 or 22, †9—3 credit hours required in either fall or spring semester.

Electives—14 credit hours for the year.

Students desiring to prepare for teaching under the Vocational Education requirements must complete 15 hours of education as follows: Education 51, 52, 77, 84 or 71, and 75 or 76; also Home Economics 16.

Students desiring to secure the Professional Secondary Certificate must complete 12 hours of education as follows: Education 51, 52, 77 and one of the following courses, Education 84, 71, 75 or 76.

Curriculum in Horticulture

JUNIOR YEAR

<i>Fall Semester</i>		<i>Spring Semester</i>	
Subject	Hours	Subject	Hours
Bacteriology 3.....	2	Agricultural Chemistry 6....	2
Biology 9, 2 †6.....	5	Animal Industry 6.....	2
English 17.....	2	Bacteriology 2, †6.....	3
Horticulture 1, 2 †2.....	3	Biology 10, 2 †6.....	5
Horticulture 7, 2 †2.....	3	English 18.....	2
Horticulture 9, 2 †2.....	3	Horticulture 10.....	2
		Elective	2

SENIOR YEAR

Agronomy 3.....	2	Farm Management 2 †4....	2
Farm Management 71, 2 *3...	3	Horticulture 4, 2 †2.....	3
Horticulture 3, 2 †2.....	3	Horticulture 8, 2 †2.....	3
Horticulture 5, 2 †2.....	3	Horticulture 52.....	1
Horticulture 51.....	1	Elective	9
Elective	6		