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FIRST

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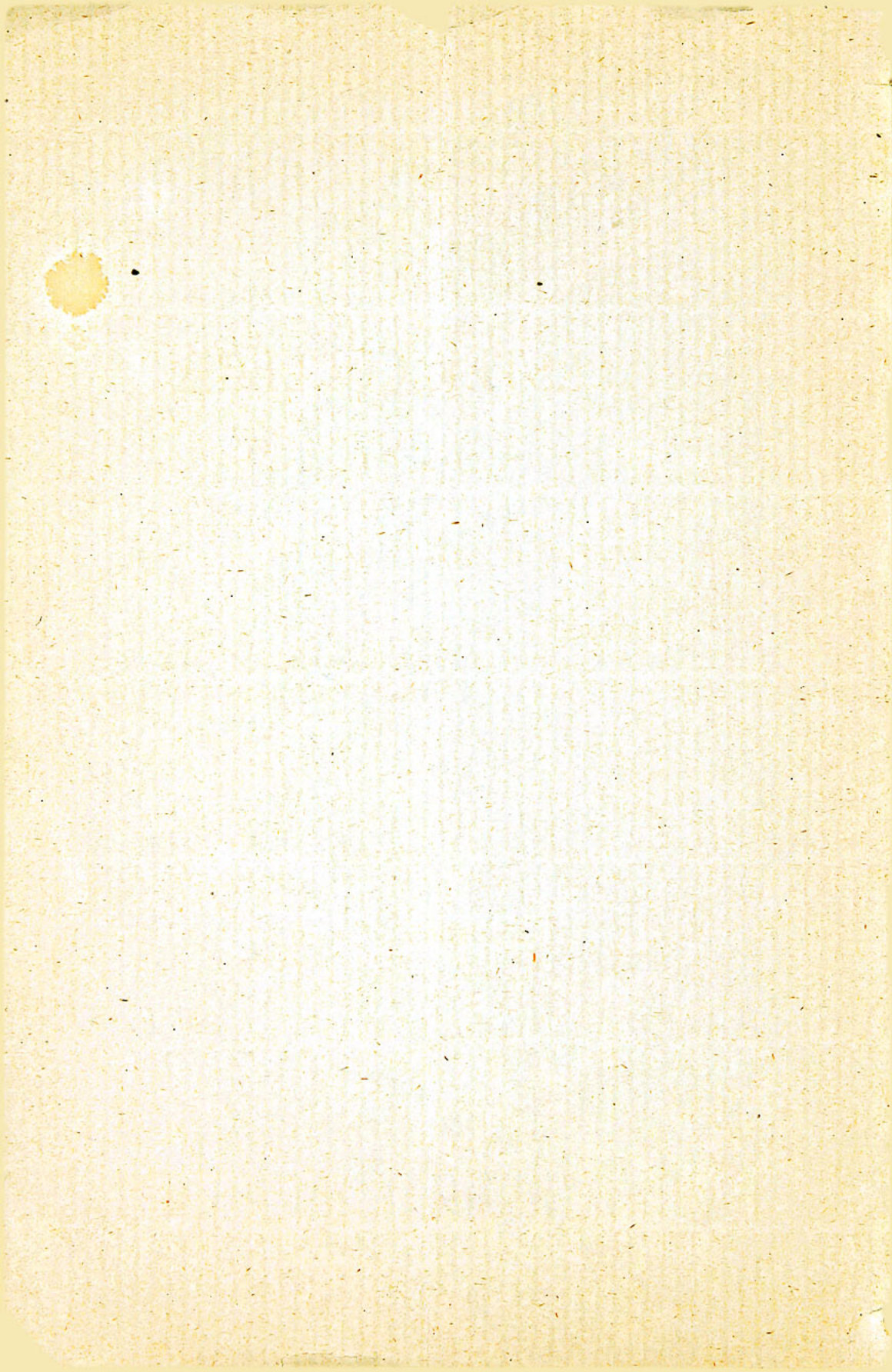
OF

MACALESTER COLLEGE

MINNESOTA.

1886-1887.

1885-1886



CATALOGUE

OF

MACALESTER COLLEGE.

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*PREPARATORY COURSE.*

PREPARATORY,  
JUNIOR PREPARATORY,  
MIDDLE PREPARATORY,  
SENIOR PREPARATORY.

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*COLLEGIATE COURSE.*

CLASSICAL,  
PHILOSOPHICAL,  
LITERARY.

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ST. PAUL:  
PIONEER PRESS COMPANY.  
1886.

CHRISTUS IN OMNIBUS LEX ET LUX.

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Macalester College opened Wednesday, September 16, 1886, under Presbyterian control.

It aims to secure thorough education in the Classics, in the Sciences, in Modern Languages, and in Literature, through experienced teachers, and under positive religious influences.

Denominational, but not Sectarian.

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Professor of Natural Science.

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Professor of Mathematics.\*

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REV. DANIEL RICE, D. D.,  
Lecturer on the Literature and Revelations of the Bible.

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\*The duties of this chair are distributed among members of the Faculty.

COLLEGIATE DEPARTMENT.

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STUDENTS.

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FRESHMAN CLASS.

ACHARD, GEORGE W.	-	-	-	MINNEAPOLIS, MINN.
COCHRAN, JOSEPH W.	-	-	-	" "
IRVIN, BENJAMIN W.	-	-	-	SHREVE, O.
KIRKWOOD, SAMUEL M.	-	-	-	WINFIELD, KAN.
LEE, WILLIAM P,	-	-	-	WOOSTER, O.
MCCURDY, PAUL E.	-	-	-	MACALESTER, MINN.



## PREPARATORY DEPARTMENT.

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### SENIOR CLASS.

CLARK, MYRON A.	-	-	-	MINNEAPOLIS, MINN.
CRESWELL, THADDEUS T.	-	-	-	" "
HUMPHREY, WILLIAM H.	-	-	-	HUDSON, WIS.
KIRKWOOD, WILLIAM P.	-	-	-	WINFIELD, KAN.
UNDERWOOD, JUDSON L.	-	-	-	FERGUS FALLS, MINN.
WRIGHT, ARTHUR B.	-	-	-	ST. PAUL, "

### MIDDLE CLASS.

BARTLETT, MAITLAND V.	-	-	-	NEW RICHMOND, WIS.
BULLEN, HARRY B.	-	-	-	WINFIELD, KAN.
BROWN, HARRY N.	-	-	-	ALBERT LEA, MINN.
BURBANK, LOUIS S.	-	-	-	FERGUS FALLS, "
BRYANT, ERNEST A.	-	-	-	ST. PAUL, "
CHALMERS, ANDREW	-	-	-	LAKE CITY, "
FALLS, HENRY T.	-	-	-	NEW RICHMOND, WIS.
FOSTER, FREDERICK S.	-	-	-	STILLWATER, MINN.
FINCH, WALTER F.	-	-	-	EDEN PRAIRIE, "
HARGIS, JOHN M.	-	-	-	ST. PAUL, "
LANE, JOHN M.	-	-	-	" "
LORD, HARRY	-	-	-	SHAKOPEE, "
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RAMALEY, EUGENE J.	-	-	-	" "
SHIBLEY, CHARLES R.	-	-	-	MINNEAPOLIS, "

CATALOGUE OF  
JUNIOR CLASS.

BAIER, ETHELBERT	-	-	-	MINNEAPOLIS, MINN.
COCHRAN, ALEXANDER	-	-	-	- ST. PAUL, "
CULBERTSON, PERCY	-	-	-	" "
DUNCAN, ALEXANDER G.	-	-	-	FARGO, DAK.
DYSART, WILLIAM	-	-	-	ST. PAUL, MINN.
GREENLEE, HARRY L.	-	-	-	FERGUS FALLS, "
HANSON, FRANCIS	-	-	-	- MINNEAPOLIS, "
HENNEMUTH, JOHN H.	-	-	-	- ST. PAUL, "
KITTLESON, JOSEPH	-	-	-	" "
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McFETRIDGE, WILLIAM S.	-	-	-	" "
McLEOD, DANIEL D.	-	-	-	ST. PAUL, "
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MILLER, ROBERT	-	-	-	MINNEAPOLIS, "
MAUSEAU, CARROLL M.	-	-	-	ST. PAUL, "
SAMPLE, WALTER B.	-	-	-	MINNEAPOLIS, "
THOMPSON, HARRY A.	-	-	-	" "
WHITING, SANFORD	-	-	-	ST. PAUL, "
WALLS, JAMES M.	-	-	-	" "
WATTS, ARTHUR	-	-	-	MINNEAPOLIS, "
YORE, HENRY	-	-	-	" "

The following young ladies living near to, and on the grounds of Macalester College, were, by action of the Board of Trustees, admitted to classes in the Preparatory Department of the College. This privilege is limited to members of the Professors' families, and to those near to the college.

## SENIOR CLASS.

GARLICK, LUELLA F. - - - MACALESTER, MINN.

## MIDDLE CLASS.

BRIMHALL, GERTRUDE - - - MACALESTER, MINN.  
 McFETRIDGE, ELEANOR G. - - - " "  
 McFETRIDGE, JENNIE - - - " "

## JUNIOR CLASS.

KITCHEN, MINNIE C. - - - MACALESTER, MINN.  
 KRASS, SOPHIE - - - " "  
 ROBBINS, EDITH - - - MERRIAM PARK, "  
 STOLTZ, BARBARA - - - MACALESTER, MINN.  
 STOLTZ, LENA - - - " "  
 ZELCH, ANNA - - - " "



## COLLEGIATE COURSE.

### FRESHMAN—First Term.

CLASSICAL.	PHILOSOPHICAL.	LITERARY.
Bib. Inst.: O. T. Hist.— <i>Maclear</i> . } (1)* Bib. Geog.— <i>Coleman</i> . } Math.: Algebra— <i>Ray</i> (4). Latin: Cicero, De Senectute (3). Greek Prose— <i>Sidgwick</i> } (4). Greek: Herodotus—Selections } Natural Science: Botany— <i>Gray</i> (5). English: Study of Words— <i>Trench</i> } (3). History: English People— <i>Greene</i> }	Bib. Inst.: O. T. Hist.— <i>Maclear</i> } (1). Bib. Geog.: <i>Coleman</i> . } Math.: Algebra— <i>Ray</i> (4). Latin: Cicero, De Senectute (3). German: Whitney's Grammar (4). Natural Science: Botany— <i>Gray</i> (5). English: Study of Words— <i>Trench</i> } (3). History: English People— <i>Greene</i> }	Bib. Inst.: O. T. Hist.— <i>Maclear</i> } (1). Bib. Geog.:— <i>Coleman</i> } Math.: Algebra— <i>Ray</i> (4). French: Gram. and Reader— <i>Bocher</i> (3). German: Whitney's Grammar (4). Natural Science: Botany— <i>Gray</i> (5). Eng.: Study of Words— <i>Trench</i> } (3). Hist.: English People— <i>Greene</i> }

\* Figures in parentheses show the number of recitations per week.

### FRESHMAN—Second Term.

CLASSICAL.	PHILOSOPHICAL.	LITERARY.
Bib. Inst.: O. T. Hist.— <i>Maclear</i> } (1). Bib. Geog.— <i>Coleman</i> } Math.: Algebra— <i>Ray</i> (4). Latin: Cicero, De Amicitia (4). Greek: Homer } (4). Greek Prose— <i>Sidgwick</i> } Natural Science: Zoology and Comparative Anatomy (4). Day's Art of Discourse } (3). History: English People— <i>Greene</i> }	Bib. Inst.: O. T. Hist.— <i>Maclear</i> } (1). Bib. Geog.— <i>Coleman</i> } Math.: Algebra— <i>Ray</i> (4). Latin: Cicero, De Amicitia (4). German: Gram. and Hist. of Germany— <i>Taylor</i> (4). Natural Science: Zoology and Compara- tive Anatomy (4). Day's Art of Discourse } (3). History: English People— <i>Greene</i> }	Bib. Inst.: O. T. Hist.— <i>Maclear</i> } (1). Bib. Geog.— <i>Coleman</i> } Math.: Algebra— <i>Ray</i> (4). French: Gram. and Reader— <i>Bocher</i> (4). German: Whitney's Gram. and Hist. of Germany— <i>Taylor</i> (4). Natural Science: Zoology and Compara- tive Anatomy (4). Day's Art of Discourse } (3). History: English People— <i>Greene</i> }

FRESHMAN—Third Term.

CLASSICAL.	PHILOSOPHICAL.	LITERARY.
Bib. Inst.: N. T. Hist.— <i>Maclear</i> } (1). Bib. Geog.— <i>Coleman</i> Math.: Trigonometry— <i>Schuyler</i> (4). Latin: Ovid (3). Greek: Homer's Iliad } (4). Prose Composition } Natural Science: Descriptive Astronomy — <i>Newcomb</i> (4). Day's Art of Discourse } (4). Hist.: English People— <i>Greene</i> }	Bib. Inst.: N. T. Hist.— <i>Maclear</i> } (1). Bib. Geog.— <i>Coleman</i> Math.: Trigonometry— <i>Schuyler</i> (4). Latin: Ovid (3). German: Boisen's Prose } (4). History of Germany— <i>Taylor</i> } Natural Science: Descriptive Astronomy — <i>Newcomb</i> (4). Day's Art of Discourse } (4). Hist.: English People— <i>Greene</i> }	Bib. Inst.: N. T. Hist.— <i>Maclear</i> } (1). Bib. Geog.— <i>Coleman</i> Math.: Trigonometry— <i>Schuyler</i> (4). French: Causeries — <i>Sauveur</i> — <i>Piccio-</i> la (3). German: Boisen's Prose } (4). History of Germany— <i>Taylor</i> } Natural Science: Descriptive Astronomy — <i>Newcomb</i> (4). Day's Art of Discourse } (4). Hist.: English People— <i>Greene</i> }

SOPHOMORE—First Term.

CLASSICAL.	PHILOSOPHICAL.	LITERARY.
Bib. Inst.: N. T. Hist.— <i>Maclear</i> } (1). Bib. Geog.— <i>Coleman</i> Math.: Trigonometry— <i>Schuyler</i> (4). Latin: Horace } (4). Prose Composition } Greek: Thucydides (4). Natural Science: Physics— <i>Deschanel</i> (4). Eng.: Day's Art of Discourse } (3). Anglo-Saxon }	Bib. Inst.: N. T. Hist.— <i>Maclear</i> } (1). Bib. Geog.— <i>Coleman</i> Math.: Trigonometry— <i>Schuyler</i> (4). Latin: Horace } (4). Prose Composition } German: Goethe's Hermann and Dore- thea. Composition (4). Natural Science: Physics— <i>Deschanel</i> (4). Eng.: Day's Art of Discourse } (3). Anglo-Saxon }	Bib. Inst.: N. T. Hist.— <i>Maclear</i> } (1). Bib. Geog.— <i>Coleman</i> Math.: Trigonometry— <i>Schuyler</i> (4). French: Histoire de la France— <i>Fleury</i> } (4). Causeries— <i>Sauveur</i> . } German: Goethe's Hermann and Dor- ethea. Composition (4). Natural Science: Physics— <i>Deschanel</i> (4). Eng.: Day's Art of Discourse } (3). Anglo-Saxon }

SOPHOMORE—Second Term.

CLASSICAL.	PHILOSOPHICAL.	LITERARY.
Bib. Inst.: N. T. Hist.— <i>Maclear</i> } (1). Bib. Geog.— <i>Coleman</i> } Math.: Mensuration, Surveying and Navigation— <i>Schuyler</i> (4). Latin: Horace (3). Greek: Plato (4). Natural Science: Physics— <i>Deschanel</i> (4). Anglo-Saxon } (4). History: Lectures }	Bib. Inst.: N. T. Hist.— <i>Maclear</i> } (1). Bib. Geog.— <i>Coleman</i> } Math.: Mensuration, Surveying and Navigation— <i>Schuyler</i> (4). Latin: Horace (3). Ger.: Lessing, Nathan der Weisse (4). Natural Science: Physics— <i>Deschanel</i> (4). Anglo-Saxon } (4). History: Lectures }	Bib. Inst.: N. T. Hist.— <i>Maclear</i> } (1). Bib. Geog.— <i>Coleman</i> } Math.: Mensuration, Surveying and Navigation (4). French: Histoire de la Lit. Francaise— <i>Demorgeot</i> (3). Ger.: Lessing, Nathan der Weisse (4). Natural Science: Physics— <i>Deschanel</i> (4). Anglo-Saxon } (4). History: Lectures }

SOPHOMORE—Third Term.

CLASSICAL.	PHILOSOPHICAL.	LITERARY.
Bib. Inst.: N. T. Hist.— <i>Maclear</i> } (1). Bib. Geog.— <i>Coleman</i> } Math.: Surveying, Field Work (3). Latin: Cicero, De Officiis (3). Greek: Demosthenes' Orations (3). Natural Science: Physics— <i>Deschanel</i> (4). Men. Sci.: Psychology— <i>Porter</i> —General View (3). English: Bunyan } (3). History: Lectures }	Bib. Inst.: N. T. Hist.— <i>Maclear</i> } (1). Bib. Geog.— <i>Coleman</i> } Math.: Surveying, Field Work (3). Latin: Cicero, De Officiis (3). Ger.: Hist. of German Literature (3). Natural Science: Physics— <i>Deschanel</i> (4). Men. Sci.: Psychology— <i>Porter</i> —General View (3). English: Bunyan } (3). History: Lectures }	Bib. Inst.: N. T. Hist.— <i>Maclear</i> } (1). Bib. Geog.— <i>Coleman</i> } Math.: Surveying, Field Work (3). French: Poetry of XIX Cen. } (3). Prose Composition } Ger.: Hist. of German Literature (3). Natural Science: Physics— <i>Deschanel</i> (4). Men. Sci.: Psychology— <i>Porter</i> —General View (3). English: Bunyan } (3). History: Lectures }

JUNIOR—First Term.

CLASSICAL.	PHILOSOPHICAL.	LITERARY.
<p>Bib. Inst.: Evidences and History of Christianity (1).                      Math.: Conic Sections and Analytical Geometry (3).                      Latin: Plautus (2).                      Greek, Euripides, Medea (3).                      Nat. Sci.: Chemistry (4).                      Men. Sci.: Presentative and Representative Knowledge—<i>Porter</i> (4).                      English: Milton. English Literature (3).</p>	<p>Bib. Inst.: Evidences and History of Christianity (1).                      Math.: Conic Sections and Analytical Geometry (3).                      Latin: Plautus (2).                      Ger.: Bartel's Deutche National Lit. (3).                      Nat. Sci.: Chemistry (4).                      Men. Sci.: Presentative and Representative Knowledge—<i>Porter</i> (4).                      English: Milton. Eng. Literature (3).</p>	<p>Bib. Inst.: Evidences and History of Christianity (1).                      Math.: Conic Sections and Analytical Geometry (3).                      French: <i>Le Cid</i>—<i>Cornille</i>. <i>Athalie</i>—<i>Racine</i> (2).                      Ger.: Bartel's Deutche National Lit. (3).                      Nat. Sci.: Chemistry (4).                      Men. Sci.: Presentative and Representative Knowledge—<i>Porter</i> (4).                      English: Milton. Eng. Literature (3).</p>

JUNIOR—Second Term.

CLASSICAL.	PHILOSOPHICAL.	LITERARY.
<p>Bib. Inst.: Evidences and History of Christianity (1).                      Math.: Differential Calculus (4).                      Latin: Christian Classics (2).                      Greek, Æschylus, Prometheus (3).                      Nat. Sci.: Chemistry (4).                      Men. Sci.: Representative Knowledge, Feelings and Will (4).                      English: Shakespeare (2).</p>	<p>Bib. Inst.: Evidences and History of Christianity (1).                      Math.: Differential Calculus (4).                      Latin: Christian Classics (2).                      Ger.: Goethe. Iphigenia (3).                      Nat. Sci.: Chemistry (4).                      Men. Sci.: Representative Knowledge, Feelings and Will (4).                      English: Shakespeare (2).</p>	<p>Bib. Inst.: Evidences and History of Christianity (1).                      Math.: Differential Calculus (4).                      French: <i>Les Femmes Savantes</i>—<i>Moliere</i>. <i>Hernani</i>—<i>V. Hugo</i> (2).                      Ger.: Goethe. Iphigenia (3).                      Nat. Sci.: Chemistry (4).                      Men. Sci.: Representative Knowledge, Feelings and Will (4).                      English: Shakespeare (2).</p>



JUNIOR—Third Term.

CLASSICAL.	PHILOSOPHICAL.
<p>Bib. Inst.: Literature of the Bible—<i>Lectures</i> (1).            Math.: Integral Calculus (4).            Greek: Sophocles (2).            Natural Science: Physiology and Hygiene (4).            Mental Science: Logic—<i>Atwater</i> (4).            Political Science: Political Economy (3).            English: Chaucer } (2).            History: Ancient }</p>	<p>Bib. Inst.: Literature of the Bible—<i>Lectures</i> (1).            Math.: Integral Calculus (4).            German: Gœthe. Iphigenia (2).            Natural Science: Physiology and Hygiene (4).            Mental Science: Logic—<i>Atwater</i> (4).            Political Science: Political Economy (2).            English: Chaucer } (3).            History: Ancient }</p>

SENIOR—First Term.

CLASSICAL.	PHILOSOPHICAL.
<p>Bib. Inst.: History of Free Thought—<i>Farrar</i> (1).            Math.: Analytical Mechanics—<i>Bartlett</i> (3).            Greek: N. T. (1).            Natural Science: Mathematical Astronomy—<i>Proctor</i> (4).            Mental Science: Thinking and Thought Knowledge (3).            Moral Science: Christian Ethics—<i>Gregory</i> (3).            English: Webster.            History: Mediæval (3).            Political Science: International and Constitutional Law—  <i>Lectures</i> (2).</p>	<p>Bib. Inst.: History of Free Thought—<i>Farrar</i> (1).            Math.: Analytical Mechanics—<i>Bartlett</i> (3).            German: Auswahl aus Humboldt's Werke (1).            Natural Science: Mathematical Astronomy—<i>Proctor</i> (4).            Mental Science: Thinking and Thought Knowledge (4).            Moral Science: Christian Ethics—<i>Gregory</i> (3).            English: Webster } (3).            History: Mediæval }            Political Science: International and Constitutional Law—  <i>Lectures</i> (2).</p>

SENIOR—Second Term.

CLASSICAL.

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Bib. Inst.: History of Free Thought—*Farrar* (1).  
Mathematics: Acoustics and Optics—*Bartlett* (3).  
Nat. Sci.: Geology—*Dana*. Physical Geography—*Guyot* (3).  
Mental Science: Intuitions (3).

Moral Science: Christian Ethics—*Gregory* (3).  
Social Science: Sociology and Civilization—*Guizot* (3).  
English: Comparative Philology } (4).  
History: Modern

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SENIOR—Third Term.

CLASSICAL.

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Bib. Inst.: History of Free Thought—*Farrar* (1).  
Natural Science: Biology—*Martin* (4).  
Mental Science: History of Philosophy—*Schwegler* (4).

Moral Science: Christian Ethics—*Gregory* (2).  
Social Science: History of Civilization—*Guizot* (4).  
Comparative Philology (3).

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## PREPARATORY DEPARTMENT.

### PREPARATORY.

FIRST TERM.	SECOND TERM.	THIRD TERM.
Biblical Instruction (1).* Arithmetic— <i>Ray</i> (5). Geography— <i>Harper</i> (5). English Grammar— <i>Harvey</i> (5). English Reader and Punctuation— <i>Hudson</i> (4).	Biblical Instruction (1). Arithmetic— <i>Ray</i> (4). Geography— <i>Harper</i> (5). English Grammar— <i>Harvey</i> (5). English Reader and Punctuation— <i>Hudson</i> (3). United States History— <i>Scudder</i> (2).	Biblical Instruction (1). Arithmetic— <i>Ray</i> (5). English Grammar— <i>Harvey</i> (5). English Reader and Punctuation— <i>Hudson</i> (5). United States History— <i>Scudder</i> (4).
Rhetorical Exercises throughout the year, under the direction of the Faculty.		

### JUNIOR PREPARATORY.

FIRST TERM.	SECOND TERM.	THIRD TERM.
Biblical Instruction (1). Arithmetic— <i>Ray</i> (4). English Grammar— <i>Harvey</i> (4). Physical Geography— <i>Cornell</i> (3). United States History— <i>Scudder</i> (3.) Latin Grammar— <i>Harkness</i> } (5). First Lessons in Latin— <i>Jones</i> }	Biblical Instruction (1). Arithmetic— <i>Ray</i> (4). English Grammar— <i>Harvey</i> (4). Physical Geography— <i>Cornell</i> (3). United States History— <i>Scudder</i> (3). Latin Grammar— <i>Harkness</i> } (5). First Lessons— <i>Jones</i> }	Biblical Instruction (1). Arithmetic— <i>Ray</i> (5). Latin Grammar— <i>Harkness</i> } (5). Ahn's Vocabulary } First Lessons— <i>Jones</i> } English: Higher Lessons— <i>Reed &amp; Kellogg</i> (5). Drawing—Elementary Free-hand (4).
Rhetorical Exercises throughout the year, under the direction of the Faculty.		

MIDDLE PREPARATORY.

FIRST TERM.	SECOND TERM.	THIRD TERM.
Biblical Instruction (1). Algebra— <i>Ray</i> (5). Latin Grammar— <i>Harkness</i> } (5). Cæsar. English: Higher Lessons— <i>Reed &amp; Kellogg</i> (5). Composition (2). Drawing: Elementary Free-hand (4).	Biblical Instruction (1). Algebra— <i>Ray</i> (4). Latin Grammar— <i>Harkness</i> } (5). Bennett's Writer Cæsar Greek Grammar— <i>Goodwin</i> } (3). First Lessons— <i>White</i> English: Word Analysis— <i>Swinton</i> (3). Drawing: Perspective (4).	Biblical Instruction (1). Algebra— <i>Ray</i> (5). Latin Grammar— <i>Harkness</i> , } (5). Nepos, Greek Grammar— <i>Goodwin</i> , } (3). First Lessons— <i>White</i> , English: Word Analysis— <i>Swinton</i> (4). Drawing: Perspective (2).
Rhetorical Exercises throughout the year, under the direction of the Faculty.		

SENIOR PREPARATORY.

FIRST TERM.	SECOND TERM.	THIRD TERM.
Bib. Inst.: O. T. Hist.— <i>Maclear</i> } (1). Bib. Geog.— <i>Coleman</i> , Geometry: Plane— <i>Wentworth</i> (4). Latin Grammar— <i>Harkness</i> } (5). Vergil: <i>Aeneid</i> Prosody Greek Grammar— <i>Goodwin</i> } (3). First Lessons— <i>White</i> Eng.: Sentential Analysis— <i>Swinton</i> (3). Elementary Physics— <i>Norton</i> (4).	Bib. Inst.: O. T. Hist.— <i>Maclear</i> } (1). Bib. Geog.— <i>Coleman</i> Geometry: Solid— <i>Wentworth</i> (4). Latin Grammar— <i>Harkness</i> } (5). Vergil: <i>Aeneid</i> Prosody Greek Grammar— <i>Goodwin</i> } (3). Anabasis English: Day's Composition (3). History: <i>Swinton's Outlines</i> (4).	Bib. Inst.: O. T. Hist.— <i>Maclear</i> } (1). Bib. Geog.— <i>Coleman</i> Geometry: Spherical— <i>Wentworth</i> (4). Latin Grammar— <i>Harkness</i> } (5). Cicero: Orations Prose Composition Greek Grammar— <i>Goodwin</i> } (3). Greek Prose Memorabilia Botany— <i>Gray</i> (3). History: <i>Swinton's Outlines</i> (4).
Rhetorical Exercises throughout the year under the direction of the Faculty.		

## COURSES OF STUDY.

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The courses of study herewith presented are the Preparatory and the Collegiate. Thirty-six weeks, exclusive of vacations, constitute a year's study.

I. The Preparatory Course covers a period of four years, and is arranged to meet all requirements of thorough preparation for either of the Collegiate divisions. Students not intending to take a full Collegiate Course have, in this department, a more thorough academical education than is ordinarily obtained. Special attention is given to the common branches. Thoroughness in these is required as the best preparation for more advanced study. Provision is made whereby deficiency in any of the common branches can be made up without interfering with more advanced studies. In this way irregularity in class, and in class work, is overcome to the advantage of the student. In the different branches of study *thoroughness* is constantly in view, and is realized by rigid drill in the principles of the branches studied, and close application to those principles, to Mathematics, in the solution of textual and original problems; to the Classics, in analysis, construction, translation, composition, and sight-reading.

Students are admitted to this course and assigned to such classes as their qualifications determine, and *all* students in this department are under the special oversight of the Faculty, with the view of helping them to fixed habits of study, and securing their greater proficiency in the branches studied. Those completing this course pass regularly and without examination into the Collegiate Course.

II. The Collegiate Course is divided into the Classical, the Philosophical, and the Literary. These divisions run parallel until the third term of the Junior year, when the Literary disappears; in the Senior year the Philosophical disappears. In the Philosophical division Latin and German correspond to Latin and Greek in the Classical; in the Literary, French and German correspond to Latin and German in the Philosophical.

The following distinctive features of the prescribed course are worthy of note.

1. Those electing modern languages have equal advantages in Mathematics, the Sciences, History, and English with those electing the Classics.

2. The Bible and English (including Anglo-Saxon in the Collegiate Course) are made prominent features throughout the curriculum.

3. Natural Science is introduced in the first term of the Senior Prepara-

tory year, and carried on vigorously to the close. This is a departure from the usual course, but it is made necessary by the demand for *more time* for the investigation and study of this important branch.

4. Mental Science is introduced in the third term of the Sophomore year, in which a careful and general view of the science is given, as needful preparation for the thorough mastery of the subject in succeeding terms.

5. Natural and Mental Science are presented as continuously as possible, thereby preserving continuity of thought, and securing greater proficiency in investigation.

7. Latin and French are finished in the second term of the Junior year; Greek and German in the first term of the Senior year. The remaining terms are devoted almost exclusively to the sciences.

#### REQUIREMENTS FOR ADMISSION.

1. *Applicants for the Freshman Classical* are required to pass an examination in the following branches, viz.:

MATHEMATICS.—Arithmetic, Algebra through Quadratic Equations, and Plane Geometry.

ENGLISH.—Geography, Grammar, Word Analysis, and Sentential Analysis.

LATIN.—Three books of Cæsar, two books of Vergil, and one book of Cicero Catalinam, or their equivalents.

GREEK.—Three books of Anabasis, and one selection from Lucian, or their equivalents.

For the Freshman Philosophical the same examination will be required as in the Classical, except Greek.

For the Freshman Literary the same examination as for the Philosophical, except Latin.

2. Applicants for more advanced classes are required to pass satisfactory examinations in the studies, or their equivalents, of the lower classes.

3. Applicants advanced in part of their studies, and deficient in another part, will be given opportunity to make up what will secure full class standing.

## PARTICULAR DESCRIPTION.

### RELIGIOUS INSTRUCTION.

#### THE PRESIDENT.

In the Preparatory Course a textual and analytical consideration of the Four Gospels and their harmony constitute the scope of Biblical instruction from the beginning to the first term of the Senior Preparatory. Old Testament History is now introduced and carried on through the second term of the Freshman year. Biblical Geography is utilized as an aid in fixing the location of the more important events brought to light in the history. Chronology, covenants, types, characters and prophecies of the Messiah are made prominent in the study. In the third term of the Freshman year, New Testament history and Biblical Geography are introduced, and continued throughout the Sophomore year. They are analyzed with reference to the Old Testament Prophecies, to the Life of Christ, and to the Apostolic Age.

In the first term of the Junior year the Evidences of Christianity are begun, and continued through the second term. By critical analysis and historic review the stability and growth of the Christian system are shown in contrast with the corruption and decay of the false systems of religion.

The last term of the Junior year is devoted to Lectures on the Literature of the Bible, and the Senior year is given up wholly to a close and rigid drill in Farrar's History of Free Thought. Text-books and lectures are used in the whole course, and the *evangelical* views of the Christian religion are reverently and tenderly pressed upon the heart of the student.

### ENGLISH LITERATURE AND POLITICAL ECONOMY.

#### PROF. NEILL.

English Literature is taught by a series of lectures on the general subject, which, in addition to the method adopted by Prof. McFetridge, will bring the whole subject fully before the mind of the student.

Political Economy is taught by text-books and lectures.

### MENTAL SCIENCE AND LOGIC.

#### PROF. KIRKWOOD.

Study in this department begins with the third term of the Sophomore year, and continues through the Junior and Senior years to the close.

After a general view of the nature of the field, the intellect is carefully studied, and the students are made as familiar as possible with its powers and modes of operation.

Following this the Feelings, Desires, and Will, in their nature and bearing on life, are taken up and investigated as thoroughly as the time will permit.

At this point Formal Logic is studied, the time allotted to it being the third term of the Junior year.

Next in order is the study of Intuitions and Intuitive Knowledge, and the course is closed with a careful review of the History of Philosophy.

Throughout the course text-books are used, supplemented by lectures. Students are required to make careful observations of the operations of their own minds, and reduce these observations to the form of essays for the class-room; when, also, there are class discussions of the subjects so presented.

#### DEPARTMENT OF LANGUAGES.

PROFS. MCFETRIDGE AND PEARSON.

The aim in this department is to acquire an accurate understanding of ancient and modern languages.

LATIN AND GREEK.—During the Freshman, Sophomore, and Junior years, Latin and Greek have a prominent place in the Classical Course, and are studied in connection with written exercises and discussions on the life and times of the authors read, and with the application to the text of the principles of Comparative Philology.

ENGLISH.—English is a regular study throughout the College Course, and is studied with the text-books and lectures, so that its origin, words, development and construction are clearly understood, and its principles applied in the every day life. English Classics are taken up, their text analyzed, and their forms and figures explained in the light of the author's character, life and time, and purpose.

ANGLO-SAXON.—Anglo-Saxon has an important place in the Classical Course, and is studied on the basis of March's Method.

FRENCH AND GERMAN.—These languages are studied in the same way as the Latin and the Greek.

#### DEPARTMENT OF HISTORY AND LITERATURE.

A thorough course of History and Literature is pursued with text-books and lectures, which includes Ancient, Mediæval and Modern History, and the Literature of the different nations and periods.

#### DEPARTMENT OF NATURAL SCIENCE.

PROF. FORBES.

PHYSICS is studied during the Sophomore year. Each branch studied is preceded by a lecture, and by experiments. According to this method the use of the text-book follows the lecture and experimentation.

For the terms of the other sciences in this department, consult the Curriculum.

CHEMISTRY with Laboratory work is taught as far as possible after the same method as Physics.



**BOTANY.**—In addition to the use of the text-book each student is required to collect and mount not less than fifty species of plants; also, to prepare sections of vegetable tissue for objects as the microscope.

**PHYSIOLOGY, HYGIENE AND ANATOMY** are taught with the aid of text-books, charts, manakin and skeletons, and **Biology** and *Comparative Anatomy* with text-books, models and skeletons.

**ASTRONOMY.**—In addition to the study of the text-book, each student is required to locate, by the use of the telescope, and make diagrams of not less than twenty-five of the principal constellations.

**GEOLOGY** is studied with the text-book, to which is added field work for the collection and classification of minerals, rocks and fossils. **Biology**, as related to various forms of life, will conclude the department of Natural Science.

Special features, however, are brought to view.

1. In *Physics*, skill in the use of the telegraph instruments to the extent of being able to send and receive messages readily, is made *competitive*.

2. In *Photography*, students are required to present twenty-five negatives and prints from the same, all of their own work. They will also be taught the use of the microscope in micro-photography.

3. Apparatus for this department will be furnished as needed.

#### MATHEMATICS.

The course in **Mathematics** is required by all students. The subject, taught are *Algebra*, *Solid and Spherical Geometry*, *Plane Trigonometry*, *Mensuration*, *Surveying*, *Navigation*, *Spherical Trigonometry*, *Conic Sections*, *Analytical Geometry*, *Differential and Integral Calculus*, *Analytical Mechanics*, *Acoustics* and *Optics*. In *Surveying*, field work is made a specialty. Original problems are presented throughout the course for solution.

## GENERAL INFORMATION.

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### LOCATION.

Macalester College is located midway between the business centres of the cities of Minneapolis and St. Paul, and within one and a half miles of Merriam Park. The Chicago, Milwaukee & St. Paul Railway passes within three-quarters of a mile of the College building. The location is beautiful and commanding. Minneapolis is in full view from the College grounds, and a short walk to the east of the College grounds brings St. Paul into view. On the east of the College is Snelling Avenue, on the north is Summit Avenue, or the projected *boulevard*, two hundred feet in width, from Minneapolis to St. Paul. Being about five miles from the business centres of the Twin Cities, it is, by the cars, a ten minutes' ride to either. Trains pass every hour to one or other of the cities. There are no saloons or other temptations to immoral habits present. All of the advantages of the city are had, without *any* of the disadvantages. Presidents of Eastern colleges, familiar with the location, pronounce it the best they have any knowledge of in this country.

### ACCESS.

Access to it is had by means of the Chicago, Milwaukee & St. Paul Railway. The trains stop at Macalester Station, the point where Snelling Avenue intersects the railroad.

Special rates of travel are furnished students from either city. These allow students to board at home and easily avail themselves of superior advantages for a thorough collegiate education. Students from a distance, or from the cities, if any desire it, can find boarding accommodations in the Dormitory.

### CHARACTER.

The character of the College is religious, under Presbyterian control. It aims at *Higher Christian Education*, including the religious element, in the unqualified and absolute sense. Conscientious convictions on doctrine and polity are in no sense disturbed. Cardinal doctrines of the Christian religion are taught without fear, without apology, and without policy. With Divine help we will be as useful to the heart as to the head. We shall seek to realize our aim in thoroughly educated Christian young men. We accept the trust of young men committed to our care, and shall carefully guard and guide them in paths of literature, science and religion.

## HOME.

Students from a distance, and any others who shall desire it, will find a *home* in the Dormitory, and social advantages in the families of the Faculty. Devotional exercises are held in the chapel daily. In case of sickness students will be looked after with home interest, and Dr. Forbes will give medical attention and treatment. Students will pay for the medicines used.

The Dormitory contains twenty double rooms, each designed to accommodate two students. They are properly furnished with ample and substantial furniture, with carpets, bedsteads, wire springs and mattresses. They are all heated with steam; water, trunk rooms, and bath rooms are conveniently provided on each floor. The management of the Dormitory and laundry is under a special committee of the Board of Trustees, who, with the aid of a matron and other suitable help, provide good boarding in quantity, quality and variety, at reasonable rates.

## GOVERNMENT.

Students are expected to deport themselves as gentlemen. Diligence in the hours designated for study is required; abundant facilities for wholesome exercise and recreation are given. No student is permitted to waste his time and money in habits of indolence and prodigality. Fidelity in duty, and heartiness in recreation will make, in each case, progress satisfactory and healthful.

## RELIGIOUS SERVICE.

Preaching every Sabbath morning during the term, in the chapel, by the ministers in the Faculty; Bible study after each morning service; prayer meeting each Wednesday evening. Attendance on these services is required from all students, except those boarding at home, and those excused on the written request of parents or guardians to worship elsewhere.

## LITERARY SOCIETIES.

The Academician Literary Society is formed, with which all students in the College Course are required to unite for practice in declamation, essay, original oration, and debate.

## CITY VISITATION.

All students are permitted to visit either city once each week, provided their visits are not on the Lord's day. Going to or returning from the cities on the Lord's day is prohibited. All other visits must be by special permission.

## LIBRARY.

A library suitable for the demands of students is being collected. The present collection is large and various enough to meet present demands.

It will be increased constantly by choice works in literature, art and science.

#### TEXT-BOOKS.

Arrangements are made whereby text-books and stationery are furnished in the College to students at reduced rates.

#### EXPENSES.

BOARDING in the Dormitory, including room, light, and fuel, is \$3 per week.

WASHING in the laundry, 50 cents per dozen pieces.

BEDCLOTHING.—Students entering the Dormitory will provide themselves with all articles of bedclothing except pillows and bolsters.

RATES OF TUITION.—All candidates for the ministry have their tuition provided for them.

Tuition in the Preparatory Course, - - - -	\$10 00 per term.
Tuition in the Collegiate Course, - - - -	15 00 "
Incidental fee, - - - - -	3 00 "

#### SUMMARY OF EXPENSES.

First Term, 14 weeks, Preparatory, washing estimated at \$7,	\$62 00
Second Term, 12 weeks, " " " " 6,	55 00
Third Term, 10 weeks, " " " " 5,	48 00

For the Preparatory year, - - - - - \$165 00

Text-books are not included in this summary of expenses.

First Term, 14 weeks, Collegiate, washing estimated as above	\$67 00
Second Term, 12 weeks, " " " " 6	60 00
Third Term, 10 weeks, " " " " 5	53 00

For Collegiate year, - - - - - \$180 00

Tuition and incidental fee of each term to be paid in advance. Board and washing to be paid weekly. All these expenses are estimated at *actual cost*. No extra charges, except for breakage of working material in the Laboratory, and breakage or damage of furniture.

#### EXAMINATIONS.

Written examinations are held at the close of each term, and the class standing of each student is fixed according to his grades in the branches studied. A record of grades is kept in the College, and each student is furnished with a copy of his own grade.

#### DEGREES.

Graduates from the Classical Course receive the Degree of A. B.

Graduates from the Philosophical Course receive the degree of Ph. B.

Graduates from the Literary Course receive the Degree of Lit. B.

## CALENDAR.

- 1886.—September 14, Tuesday, Entrance Examinations.  
September 15, Wednesday, Fall Term begins.  
December 22, Wednesday, Fall Term ends.  
TWO WEEKS OF VACATION.
- 1887.—January 5, Wednesday, Winter Term begins.  
March 30, Wednesday, Winter Term ends.  
ONE WEEK OF VACATION.  
April 6, Wednesday, Spring Term begins.  
June 14, Tuesday, Class and Literary exercises.  
June 15, Wednesday, Annual Commencement.  
THIRTEEN WEEKS OF VACATION.

For Catalogue and other information, address the President at Macalester, Minnesota.

BEQUESTS to the College should be made to "The Trustees of Macalester College,"—the corporate name of the College.



