KALAMAZOO
COLLEGE BULLETIN
CATALOGUE
1950-1951
KALAMAZOO COLLEGE BULLETIN

CATALOGUE NUMBER

REGISTER, 1949-50
ANNOUNCEMENTS, 1950-51
KALAMAZOO COLLEGE is a church-related, liberal arts college offering courses of study to the degree of Bachelor of Arts. It seeks to train young men and women in a Christian environment for constructive participation in society and to orient them in the values of contemporary culture. Sound instruction in the humanities, the natural sciences, and the social sciences is offered; extra-curricular activity in athletics, forensics, dramatics, and music is encouraged; and there are unusual opportunities for relating the work of the classroom to applied situations in the local community. Kalamazoo College gives pre-professional training in medicine, law, engineering, social work, and religion, and preparation for graduate study in other fields.
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### Comparative Calendar

**1950**

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**1951**

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College Calendar

Second Semester, 1950

Feb. 7 Tuesday, New Student Registration
  8 Wednesday, 8:00 a.m. Classes begin.

Mar. 6-9 Monday through Thursday, Religious Emphasis Week
  10-11 Friday and Saturday, Bach Festival
  31 Friday, Mid-term grades due.

Apr. 7 Friday, 12:00 noon, Spring recess begins.
  17 Monday, 8:00 a.m. Classes resume.
  22 Saturday, Founders Day

May 6 Saturday, May Fete
  30 Tuesday, Memorial Day Observance. No classes.

June 2-10 Friday through Saturday, Final Examinations
  10 Saturday, Alumni Day
  11 Sunday, Baccalaureate Sunday
  12 Monday, One Hundred Fourteenth Annual Commencement

First Semester, 1950-51

Sept. 13-16 Wednesday through Saturday, New Student Induction Program
  18 Monday, 9:00 a.m. Freshman and New Student Registration
  19 Tuesday, Upperclass Registration
  20 Wednesday, 9:00 a.m. Opening Chapel
  20 Wednesday, 10:00 a.m. Classes begin.

Oct. 16 Monday, Honors Day
  21 Saturday, Homecoming

Nov. 18 Saturday, Mid-term grades due.
  22 Wednesday, 12:00 p.m. Thanksgiving Recess begins.
  27 Monday, 8:00 a.m. Classes resume.

Dec. 9 Saturday, Christmas Carol Service
  15 Friday, 12:00 noon, Winter recess begins.

Jan. 2 Tuesday, 8:00. Classes resume.
  15-19 Monday through Friday, Counseling and Registration
  29 to February 3, Monday through Saturday, Mid-year Examinations

Second Semester, 1951

Feb. 6 Tuesday, New Student Registration
  7 Wednesday, 8:00 a.m. Classes begin.

Mar. 5-8 Monday through Thursday, Religious Emphasis Week
  9-14 Friday through Wednesday, Bach Festival
  23 Friday, Mid-term grades due.
  23 Friday, 12:00 noon, Spring recess begins.

Apr. 2 Monday, 8:00 a.m. Classes resume.
  22 Sunday, Founders Day

May 19 Saturday, May Fete
  30 Wednesday, Memorial Day Observance. No classes.

June 1-9 Friday through Saturday, Final Examinations
  9 Saturday, Alumni Day
  10 Sunday, Baccalaureate Sunday
  11 Monday, One Hundred Fifteenth Annual Commencement

Board of Trustees

Term Expires in 1950

CARL H. CHATTERS, B.A., LL.D. ........................................ Chicago, Illinois
CAMERON DAVIS .......................................................... Kalamazoo
FREDERICK FISCHER ....................................................... Kalamazoo
HERBERT H. GARDNER, LL.B. ............................................. Birmingham
EDWIN G. GEMBRICH, B.A., LL.B. ..................................... Kalamazoo
CLAUSE M. HARMON, LL.D. ............................................... Detroit
RALPH A. HAYWARD, B.S. ................................................. Kalamazoo
GRANT M. HUDSON, B.A. .................................................. Lansing
H. CLAIR JACKSON, B.A. ................................................. Kalamazoo
R. P. LEWIS ................................................................. Flint
L. W. SUTHERLAND, LL.D. ................................................. Kalamazoo

Term Expires in 1951

ARTHUR L. BLAKESLEE ................................................... Kalamazoo
MRS. ALLEN B. CROW ....................................................... Detroit
E. A. DEWATERS, B.A., Sc.D. ........................................... Flint
DAVID H. GREENE .......................................................... Kalamazoo
R. E. OLDs, Sc.D. .......................................................... Lansing
FLOYD R. OLMSTed, B.A. ................................................. Kalamazoo
†FRED O. PINKHAM, B.A. ................................................ Monroe
H. SHAKESPEARE, B.S. .................................................. Kalamazoo
PAUL H. TOrd, B.S. ........................................................ Kalamazoo
LOUIS C. UPTON ............................................................. St. Joseph

Term Expires in 1952

HAROLD B. ALLEN, B.A. ................................................. Kalamazoo
†WILLIAM R. ANGELL, LL.B. ............................................ Detroit
CHARLES S. CAMPBELL, LL.D. ........................................... Kalamazoo
AINSWORDTH W. CLAIRE, B.A., LL.B. ................................. Chicago, Illinois
GEORGE K. FERGUSON, B.A. ............................................ Watervliet
IVAN F. HAMLow ............................................................. Midland
M. LEE JOHNSON, B.A. .................................................. Kalamazoo
WILLIAM J. LAWRENCE, B.A. ......................................... Kalamazoo
PAUL B. MOODY, B.A., LL.B. ............................................. Detroit
RALPH RALSTON, B.A. ...................................................... Kalamazoo
T. THOMAS WYLER, B.A., B.D., D.D. ................................. Kalamazoo
EDGAR R. YOUNG, B.S. ................................................... Jackson

OFFICERS OF THE BOARD

GEORGE K. FERGUSON .................................................. Chairman
ARTHUR L. BLAKESLEE .................................................... Vice-Chairman
FLOYD R. OLMSTed ......................................................... Secretary
CHARLES S. CAMPBELL .................................................... Treasurer
MERRILL W. TAYLOR ....................................................... Assistant Treasurer
H. CLAIR JACKSON ........................................................ Attorney

†Deceased
Women's Council

Term Expires in 1950

Mrs. Leon J. Baker .................................. Fort Wayne
Mrs. Ralph A. Hayward .................................. Parchment
Mrs. R. J. Hubbell .................................. Kalamazoo
Mrs. M. Lee Johnson .................................. Kalamazoo
Mrs. Raymond Lewis .................................. Flint
Mrs. Ralph M. Ralston .................................. Kalamazoo
Mrs. Mabel B. Raycliffe .................................. South Haven
Mrs. A. J. Todd .................................. Kalamazoo
Mrs. E. Gifford Upjohn .................................. Kalamazoo

Term Expires in 1951

Mrs. George L. Bennett .................................. Adrian
Mrs. Stuart Irvine .................................. Kalamazoo
Mrs. Ransom E. Olds .................................. Lansing
Mrs. Floyd R. Olmsted .................................. Kalamazoo
Mrs. William Race .................................. Kalamazoo
Mrs. Dwight H. Rich .................................. Lansing
Mrs. Leslie N. Vermeulen .................................. Kalamazoo

Term Expires in 1952

Mrs. Roger F. Becker .................................. Kalamazoo
Mrs. Carl H. Chatters .................................. Chicago
Mrs. James B. Fleugel .................................. Kalamazoo
Mrs. Harry C. Howard .................................. Kalamazoo
Mrs. Lewis H. Kirby .................................. Kalamazoo
Mrs. H. E. Schweitzer .................................. Detroit
Mrs. Ralph Sullivan .................................. Lansing

OFFICERS OF THE WOMEN'S COUNCIL

Mrs. William Race .................................. President
Mrs. M. Lee Johnson .................................. 1st Vice-President
Mrs. W. A. Raycliffe .................................. 2nd Vice-President
Mrs. Ralph Ralston .................................. Secretary-Treasurer
Mrs. Ronald C. McCready, Dean of Women Member Ex-officio
# Kalamazoo College Alumni Association

**Officers, 1949-50**

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<th>Name</th>
<th>Class Year</th>
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<tr>
<td>H. Colin Hackney</td>
<td>'30</td>
<td>Kalamazoo</td>
<td>President</td>
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<tr>
<td>Paul G. Schriek</td>
<td>'22</td>
<td>Kalamazoo</td>
<td>Vice-President</td>
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<tr>
<td>R. Lloyd Pobst</td>
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<td>Kalamazoo</td>
<td>Secretary-Treasurer</td>
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**Executive Committee**

- Charles J. Venema, '33: Kalamazoo
- Lee-Olia Smith Germich, ex '30: Kalamazoo
- Ernest W. Casler, '21: Kalamazoo

**Officers, 1950-51**

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<th>Name</th>
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<td>Paul G. Schriek</td>
<td>'22</td>
<td>2267 Benjamin Ave.</td>
<td>President</td>
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<tr>
<td>Russell V. Carlton</td>
<td>'34</td>
<td>Kalamazoo</td>
<td>Vice-President</td>
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<tr>
<td>Edward J. Lauth</td>
<td>'32</td>
<td>Kalamazoo</td>
<td>Secretary-Treasurer</td>
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<tr>
<td>Curtis W. Davis</td>
<td>'28</td>
<td>Kalamazoo</td>
<td>Elected to Executive Committee</td>
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**Alumni Council**

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<td>Marston S. Balch</td>
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<td>Russell J. Becker</td>
<td>'44</td>
<td>Chicago, Ill.</td>
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<td>Raywood H. Blanchard</td>
<td>'38</td>
<td>Kalamazoo</td>
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<td>Clara Heiny Buckley</td>
<td>'30</td>
<td>Galesburg, Mich.</td>
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<td>Harry C. Harvey</td>
<td>'16</td>
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<td>H. Clair Jackson</td>
<td>'96</td>
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<td>Pauline Kurtz Jacob</td>
<td>'24</td>
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<td>Florence Winslow</td>
<td>'06</td>
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<td>SEATTLE ALUMNI CLUB</td>
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<td>Robert G. Beaumier, '36 ........................................ Chairman pro tem 7110 - 19th Ave., N. W., Seattle, Washington</td>
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<td>SOUTH BEND ALUMNI CLUB</td>
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<td>H. James Helmer, '42 ........................................ President 1022 Culver Pl., South Bend, Indiana</td>
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<td>JAMES TUMA, '42 ........................................ Vice-President PATRICIA THOMPSON, '47 ......................................... Secretary-Treasurer</td>
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<td>SOUTHERN CALIFORNIA ALUMNI CLUB</td>
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<td>(Los Angeles) Rosamond Stripp Kanagy, ex'06 ........................................ President 4158 Adams Ave., San Diego, California</td>
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<td>SOUTHWESTERN MICHIGAN ALUMNI CLUB</td>
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<td>(Benton Harbor) Jessie Hayne Howard, '06 ........................................ Chairman pro tem 680 Pipestone St., Benton Harbor, Michigan</td>
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<td>WASHINGTON, D. C., ALUMNI CLUB</td>
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<td>Walter A. Good, '37 ........................................ President 9123 Eton Road, Silver Springs, Maryland</td>
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<td>HENRY C. PARKER, '11 ........................................ Vice-President ESTHER TYLER GRABBER, '37 ......................................... Secretary-Treasurer</td>
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| JACKSON ALUMNI CLUB |
| KENNETH WRIGHT, '42 ........................................ President 5895 So. Jackson Rd., Jackson, Michigan |
| GLADYS HAYES TURK, '23 ........................................ Vice-President STANLEY HYETT, '48 ........................................ Recording Secretary ERVENE BROOKS HANNOLD, '15 ........................................ Corresponding Secretary |
| KALAMAZOO ALUMNI CLUB |
| ROBERT H. Powell, '37 ........................................ President 1230 Reycraft Dr., Kalamazoo |
| RUTH SCOTT CHENERY, '24 ........................................ Vice-President JILLY RICHARDSON, '44 ........................................ Secretary-Treasurer |
| MILWAUKEE ALUMNI CLUB |
| ELIZABETH HOBEN BROWN, '33 ........................................ Chairman pro tem 2520 E. Shorewood Blvd., Milwaukee, Wisconsin |
| MINNEAPOLIS ALUMNI CLUB |
| KENNETH W. RAHN, ex '40 ........................................ Chairman pro tem 2200 N. Glenwood Pkwy., Minneapolis, Minnesota |
| NEW YORK ALUMNI CLUB |
| CHARLES D. BOCK, '29 ........................................ President 1 Christopher St., New York City |
| GERHARD DIERM, '40 ........................................ Vice-President ELSIE P. KAPPEN, '13 ........................................ Secretary ROBERTA WILLIAMS CONRAD, '13 ........................................ Treasurer |
| PHILADELPHIA ALUMNI CLUB |
| ROCHESTER ALUMNI CLUB |
| WINTHROP S. HUDSON, '33 ........................................ Chairman pro tem 159 Rockingham Rd., Rochester, N. Y. |
| ST. LOUIS ALUMNI CLUB |
| BERYL MCELELLAN NYBOER, ex'27 ........................................ Chairman pro tem Nameoki, Illinois |
| ST. PETERSBURG ALUMNI CLUB |
| PAUL STAAKE, '21 ........................................ Chairman pro tem 1705 - 17th Ave., No., St. Petersburg, Florida |
| SAN FRANCISCO ALUMNI CLUB |
| FRED PINKHAM, '42 AND HELEN KOSTIA PINKHAM, '43 Chairmen pro tem Box 2324, Stanford University, Palo Alto, California |
The Faculty

Arranged in order of appointment to present rank, year indicating date of joining Kalamazoo staff.

John Scott Everton, 1949; B.A., Redlands; B.D., Colgate-Rochester; Ph.D., Yale; D.D., Grinnell; Graduate Fellow, Cambridge University. 
President and Professor of Philosophy

Everett Reiman Shober, 1946; B.A., Juniata; M.A., Columbia. 
Dean and Registrar

Harold Thaddeus Smith, 1946; B.A., Doane; M.A., Ph.D., Iowa. 
Business Manager

*R. Lloyd Post, 1947; B.A., Denison; B.D., Colgate-Rochester; D.D., Rio Grande. 
Director of Public Relations

Professor Emeritus of French

Lemuel Fish Smith, 1911-1944; B.A., William Jewell; M.S., Chicago; Sc.D., Kalamazoo. 
Professor Emeritus of Chemistry

Professor Emeritus of English Language and Literature

Frank Bruce Bachelor, 1921-1947; B.A., Franklin; B.D., Rochester Theological Seminary; D.D., Franklin. 
Business Manager Emeritus

John Wesley Hornbeck, 1925; B.S., Illinois Wesleyan; M.A., Ph.D., Illinois. 
Professor of Physics

Robert Franklin Cornell, 1919; B.A., Cornell College; J.D., Michigan. 
Professor of Political Science

Allen Byron Stowe, 1928; B.S., Kalamazoo; M.A., Ph.D., Clark. 
Professor of Chemistry

Luke John Hemmes, 1925; B.D., Rochester Theological Seminary; M.A., Rochester; Ph.D., Chicago. 
Professor of Philosophy and Psychology

*First Semester 1949-10
†Deceased
16

Arnold Mulder, 1929; B.A., Hope; M.A., Chicago; Litt.D., Hope. 
Professor of English

Thomas Orr Walton, 1921; B.A., Kalamazoo; M.S., Chicago; Ph.D., Michigan. 
Olney Professor of Mathematics

Marion Hiller Dunsmore, 1929; B.A., Kalamazoo; M.A., B.D., Pacific School of Religion; Ph.D. Chicago. 
Professor of Religion

Raymond Lee Hightower, 1934; B.A., Richmond; B.D., M.Th., Crozer; M.A., Pennsylvania; Ph.D., Chicago. 
Professor of Sociology

Richard Hubbell Olmsted, 1943; B.A., M.A., Ph.D., Minnesota. 
Professor of Spanish and French

Julius T. Wendzel, 1946; B.A., Kalamazoo; M.A., Tufts; Ph.D., Harvard. 
Professor of Economics

Francis Diebold, 1923; B.A., M.A., Wisconsin. 
Professor of Biology

Gabriel Francois Cazell, 1948; B.A., M.S., Agricultural and Mechanical College of Texas. 
Professor of Economics

Ethel A. Kaump, 1945, B.Ph., M.Ph., Ph.D., Wisconsin. 
Associate Professor of Speech

Ivor Debenham Spencer, 1946; B.A., M.A., Ph.D., Brown. 
Associate Professor of History

Laurence Edward Strong, 1946; B.A., Kalamazoo; Ph.D., Brown. 
Associate Professor of Chemistry

Virginia Elizabeth Earl, 1929; B.A., M.A., Michigan. 
Associate Professor of French

Gilbert A. Scheib, 1948; B.A., Alma; M.A., Columbia. 
Associate Professor of History

Associate Professor of Economics

Donald Wilbur Van Liere, 1949; B.A., Hope; M.A., Indiana. 
Associate Professor of Psychology
THE FACULTY

ELEANOR RUBY BAUM, 1947; B.A., B.S., (Edu.), Ohio Northern; M.A., Ohio State. *Instructor in Speech

ALBERTA ARGOW McCready, 1948; B.A., Allegheny; M.A., Michigan. *Instructor in German

LLOYD E. GROW, 1946; B.A., Northeastern State. *Instructor in Physical Education

*THEODORA LULA COOLIS, 1948; B.A., Kalamazoo; M.A., Wisconsin. *Instructor in Biology

WILLIAM ARTHUR BOYD, 1949; B.Mus., M.A., Pennsylvania. *Instructor in Music (Piano)

MICHAEL JOHN WASKOWSKY, 1949; B.F.A., Art Institute of Chicago; M.A., Chicago. *Instructor in Art

MARJORIE WATSON, 1949; B.A., Wesleyan (Georgia); M.A., Duke. *Instructor in Spanish

MABEL PEARSON OVERLEY, 1936; Teacher's certificate, Knox College Conservatory; student in voice under George Nelson Holt, Yeatman Griffith, and Richard Hageman. *Teacher of Voice

LILLIAN PRINGLE BALDAUF, 1938; Member Joseffer String Quartette of Chicago; member Women's Symphony Orchestra of Chicago; member Kalamazoo Symphony Orchestra. *Teacher of Cello

FRANCES O. CLARK, 1945; B.A., Kalamazoo; Fontainebleau; Juilliard School of Music; student in piano under Guy Maier, Ernest Hucheson, Marcelle Herrenschmidt, and Isadore Phillips. *Teacher of Piano

BETH TURNBULL FRANKS, 1946; B.A., Kalamazoo; Chicago Musical College; American Conservatory of Music; student in piano under Rudolph Ganz. *Teacher of Piano

ARDITH ROBANDT, 1949; B.A., Kalamazoo. *Teacher of Piano

ANN BROWN, 1949; B.A., Carleton. *Teacher of Piano

*First Semester, 1949-50

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MARY MUNRO WARNER, 1926; Ph.B., Denison. *Assistant Professor of Education and Director of Teacher Placement

HENRY OVERLEY, 1934; Associate, American Guild of Organists; teacher's diploma, Sherwood Music School; student in organ under Wilhelm Middleschulte, David McK. Williams, and Palmer Christian. *Assistant Professor of Music (Organ) and Director of Musical Organizations

HILDA TORSTENSEN MYERS, 1944; B.A., Radcliffe; M.S., Syracuse; Ph.D., Ohio State. *Assistant Professor of Chemistry

HENRY ALBERT LASCH, 1948; B.S., Pennsylvania State; M.S., Michigan. *Assistant Professor of French

Helen Thompson Mills, 1947; B.A., Miami; M.A., Illinois. *Assistant Professor of Music (Organ) and Director of Music Organizations

HILDA TORSTENSEN MYERS, 1944; B.A., Radcliffe; M.S., Syracuse; Ph.D., Ohio State. *Assistant Professor of Chemistry

HENRY ALBERT LASCH, 1948; B.S., Pennsylvania State; M.S., Michigan. *Assistant Professor of French

IAN GRAEME BARBOUR, 1949; B.A., Swarthmore; M.S., Duke; Ph.D., Chicago. *Assistant Professor of English

GUNther M. Bonnin, 1949; B.A., Reed; M.A., Ph.D., Stanford. *Assistant Professor of German

SAMUEL ERNEST BROWN, 1949; B.A., M.A., Indiana. *Assistant Professor of English

BARBARA J. HOPKINS, 1949; B.A., Teachers College, Columbia; M.S., Minnesota. *Assistant Professor of Physical Education

ERNEST R. KIRKMAN, 1949; B.S., Michigan. *Assistant Professor of Physical Education

WALTER WEYLER WARING, 1949; B.A., Kansas Wesleyan; M.A., Colorado; Ph.D., Cornell. *Assistant Professor of English

ROLAND CHARLES PICKHARDT, 1946; B.A., William Jewell; B.D., Colgate-Rochester. *Instructor in Speech

MARVIN KENNETH FEMAN, 1947; B.S., Juilliard School of Music; M.A., Columbia. *Instructor in Music (Instrumental)

*ELTON W. HAM, 1947; B.A., Chicago; M.A., Kalamazoo. *Instructor in Political Science

*On leave of absence, 1949-50
MERRILL C. HART, 1944; B.S., Kalamazoo; M.S., Chicago; D.Sc., Kalamazoo. 
Special Lecturer in Chemistry and Research Director for Upjohn Scholars

HAROLD THADDEUS SMITH, 1946; B.A., Doane; M.A., Ph.D., Iowa. 
Special Lecturer in Economics (Accounting)

HAROLD CLAIRE TAYLOR, 1946; Ph.B., Chicago; M.S., Ph.D., Yale. 
Special Lecturer in Political Science

JOHN STERLING DULEY, 1948; B.S., Ohio State; B.D., Union Theological Seminary. 
Director of Inter-Church Student Fellowship

GLEN S. ALLEN, Jr., 1949; B.A., Amherst; LL.B., Columbia. 
Special Lecturer in Political Science

*HOMER MACVEAN ELWELL, 1949; B.A., M.A., Kalamazoo. 
Special Lecturer in Political Science

CHARLES SWAN, 1949; Ph.B., Chicago; B.D., Garrett. 
Special Lecturer in Sociology

WAYNE ROBERT STONE, 1949; B.A., M.A., Kalamazoo. 
Teaching Assistant in Political Science

†HALLIE JOY FERGUSON, 1950; B.A., Kalamazoo; M.S., Northwestern. 
Special Lecturer in Biology

‡CHARLES HOWARD MULLEN, 1950; B.A., Kansas; LL.B., Michigan. 
Special Lecturer in Political Science

‡ELMER LAFAYETTE NELSON, 1950; B.Did., M. Did., Iowa State Teachers College. 
Special Lecturer in Mathematics

ROBERT W. NEWLAND, 1949; B.A., Kalamazoo. 
Graduate Assistant in Economics and Business Administration

WALTER WARREN JOHNSON, 1949; B.A., Kalamazoo. 
Graduate Assistant in Economics and Business Administration

JOSEPH PIZZAT, 1949; B.A., Kalamazoo. 
Graduate Assistant in Art

‡ALBERT GRABAREK, 1950; B.A., Kalamazoo. 
Graduate Assistant in Political Science

*First Semester, 1949-50

‡Second Semester, 1949-50

Administrative Officers and Staff

JOHN SCOTT EVERTON, PH.D., D.D. .................... President

EVERETT R. SHOBER, M.A. .................... Dean and Registrar

HAROLD T. SMITH, PH.D. .................... Business Manager

ALBERTA A. McCREARY, M.A. .................... Dean of Women

ROLAND C. PICKHARDT, B.A., B.D. .................... Director of Chapel

*R. LLOYD PORS, B.A., D.D. .................... Director of Public Relations

ROBERT W. BRAITHWAITE, B.A. .................... Director of Admissions

MARIE AMAN .................... Assistant Director of Welles Hall

MARY LOU BIRKENMEYER, B.A. .................... Secretary in Office of Dean and Registrar

Hazel B. BRIEVE .................... Secretary in Maintenance Office

SAMUEL E. BROWN, M.A. .................... Head Resident in Hoben Hall

JACQUELINE BUCK, B.A. .................... Assistant Director of Admissions

ZEPHINE S. CULP .................... Secretary in Dean of Women’s Office

PEGGY A. DAGG .................... Switchboard and Information Desk

SHIRLEY ELLIS .................... Admissions Counselor

MURGADDIE R. GEER .................... Secretary in Gymnasium Office

MARILYN HINKLE, M.A. .................... Assistant in Public Relations

*RUTH C. KRUEGER, M.A. .................... Reference Librarian

DEWEY LACOSS .................... Superintendent of Buildings and Grounds

EDWARD J. LAUTH, M.A. .................... Assistant in Public Relations

MABEL MORDHORST .................... Director of Lovell Street House and Housekeeper

WAVE LYNN NOGGLE, M.S. (Lib. Sc.) .................... Librarian

CATHERINE A. ORT, M.A. .................... Director of Welles Hall

DOROTHY PARKER .................... Director of Mary Trowbridge House

LILY B. PAYSON .................... Executive Secretary in President’s Office

BERDENA RUST, B.A. .................... Accountant

WILLIAM A. SCOTT, M.D. .................... College Psychiatrist

MILDRED SLOAN, B.A. .................... Secretary in Office of Dean and Registrar

JACQUELINE STEFOFF .................... Secretary in Office of Stream Improvement Council

LOIS STEVENS, R.N. .................... Resident College Nurse

DOROTHY M. STOFER ... Manager, Bookstore, and Hostess, Welles Hall

JOANNE THOMPSON .................... Cashier

GERTRUDE M. VAN ZEE, M.A. (Lib.Sc.) .................... Assistant Librarian

DOHIS WIMBERLY, B.S. .................... Secretary in Music House

JOHN MARTIN ZOMER .................... Accountant

*First Semester 1949-50
COMMITTEES OF THE FACULTY
1949-1950

ACADEMIC STANDARDS:
Shober, Chairman; Braithwaite, Dunsmore, Hightower, Myers, Smith, Stowe.

ALUMNI RELATIONS:
Pobst, Chairman; Braithwaite, Coolis, Lauth, Walton.

ATHLETICS:
Stowe, Chairman; Brown, Cazell, Grow, Lasch, Smith.

COUNSELING:
Hightower, Chairman; Brown, McCreary, Pickhardt, Shober, Van Liere, Warner.

EDUCATIONAL POLICIES:
Dunsmore, Chairman; Hightower, Mills, Shober, Stowe, Strong.

FACULTY SOCIAL AFFAIRS:
Warner, Chairman; Copp, Earl, Feman, Hopkins, Ort, Spencer, Mrs. Cazell.

HONORARY DEGREES:
Walton, Chairman; Cornell, Diebold, Hornbeck, Strong.

HONORS AND GRADUATE STUDY:
Hornbeck, Chairman; Cornell, Hemmes, Myers, Shober, Wendzel.

LIBRARY:
Spencer, Chairman; Kaump, Mills, Mulder, Noggle, Olmsted, Strong. Student members: Stanley Chalmers, Virginia Stickan.

RELIGIOUS AFFAIRS:

SOCIAL:
McCreary, Chairman; Baum, Hopkins, Mordhorst, Overley, Scheid, Shober, Smith. Student members: Robert Cross, Gordon Dolbee, Marguerite Johnson.

STUDENT PUBLICATIONS:
Mulder, Chairman; Lauth, Pobst, Smith, Walton, Waring. Student members: Donald Brine, John Leddy, Margaret Seibert.

STUDENT-FACULTY COUNCIL:
President Everton, Dean Shober, Dean McCreary; Stowe, Strong, Warner, Baum; Richard Broholm, Rex Holloway, Inez Willson, David Petrucci.

Kalamazoo College

PURPOSE

Kalamazoo College is "a fellowship in learning." Its chief aim is the development of personality. To the end that the student may realize the fullest possible measure of individual growth and may function intelligently as a social being, the College strives to attain the following specific objectives:

Religious. Kalamazoo College endeavors to develop in the student Christian attitudes and convictions which will manifest themselves in his conduct and in all human relationships.

Intellectual. Kalamazoo College endeavors, through the medium of a curriculum of liberal arts and sciences, to develop in the student sound knowledge, open-mindedness, reasoned judgment, and creative scholarship. It seeks to inspire intellectual curiosity and a love of truth, and to cultivate the power to think.

Social. Kalamazoo College believes that the social graces are an essential element in education. Hence it aims to provide on the campus such a social program as will foster these qualities in each individual.

Physical. Kalamazoo College realizes the importance of physical well-being to a well rounded life. It seeks to promote the establishment of good health habits, to encourage wholesome recreation, and to provide opportunities for the attainment of skill in various sports.

Vocational. Kalamazoo College recognizes the importance of serving the vocational interests of its students in so far as is consistent with the concept of a liberal education. Certain of its courses have a distinctly vocational emphasis. Conferences and discussions setting forth the claims of various professions and occupations are held from time to time.
Cultural. Kalamazoo College seeks to provide opportunities for its students to develop an understanding and appreciation of great literature, art, music, and drama. "The end of learning is gracious living."

The administration is aware that the total educational program of the campus community depends as much on contacts between faculty members and students as on precepts, devices, methods, and techniques in teaching. Therefore in the selection of members of the teaching staff the attempt is made to secure people not only with academic standing and fine teaching experience, but also whose previous experience and personal characteristics will promote a wholesome cultural atmosphere in all phases of college life. Care is also taken to provide social and religious occasions designed to build up desirable campus influences.

HISTORY

Kalamazoo College is the product of two vital forces which were operating a century ago along America's vast western frontier—religion and democracy.

The religious impulse was represented by the Reverend Thomas W. Merrill, a Baptist missionary from New England, and the democratic impulse by a Michigan pioneer, Judge Caleb Eldred of Climax. Beginning in the summer of 1830, these two men labored incessantly to establish an institution of learning, and in spite of almost insuperable difficulties they and their friends succeeded in securing a charter from the Territorial Council on April 22, 1833, for a school known as The Michigan and Huron Institute. In 1835 Bronson (later called Kalamazoo) was selected as the site, and in 1836 the first building was erected and instruction was begun.

Under Principals Nathaniel Marsh, Nathaniel A. Balch, David Alden and William Dutton, the Institute, in spite of inadequate equipment and small financial resources, carried on a high type of work for both men and women. In 1837 the name was changed to the Kalamazoo Literary Institute, and in 1840 the school merged with the local "Branch" of the University of Michigan, a relationship which continued until 1850.

In 1843 a new era in the life of the Institute began with the appointment of the Reverend J. A. B. Stone as principal. For the next twenty years the story of the school was the story of Principal Stone and his brilliant wife, Lucinda Hinsdale Stone. Under their progressive leadership the city became a center of education for women, and a theological seminary was established. Largely through the efforts of Dr. Stone the State Legislature in 1855 authorized an amendment to the charter of the Institute, granting to the trustees the power to confer degrees and changing the name to Kalamazoo College.

The Stones resigned in 1863 and the College entered a period of prolonged adversity which lasted until 1892. John M. Gregory, 1864-67; Kendall Brooks, 1868-87; Monson A. Willcox, 1887-91; and Theodore Nelson, 1891-92; presided over the destinies of the institution. The chief characteristics of this period were not the expansion of academic structure nor the erection of buildings, but noble character, unquenchable faith, and genuine scholarship. Under President Arthur Gaylord Slocum, 1892-1912, the modern development of the College began. The first modern building, Bowen Hall, was erected in 1902. Endowment funds, hitherto negligible, were raised, new educational facilities were provided, and the College became better and more widely known.

The presidency of Herbert Lee Stetson, 1912-1922, was marked by an immediate and radical reconstruction of the curriculum. Further important developments followed, including the purchase of new laboratory equipment, the erection of a gymnasium, the creation of a modern library, and the raising of additional endowment funds.

Dr. Allan Hoben's administration, 1922-1935, was characterized by remarkable progress in several ways. Four major college buildings were erected: Mary Trowbridge House (the residence for women), Olds Science Hall, Mandelle Library,
and Stetson Chapel. The gymnasium was enlarged to nearly twice its original capacity, and the president's house and seven faculty homes were built on the upper campus. Educational standards were enhanced and the College received the highest academic recognition. President Hoben's ideals for the College were summed up in his own phrase, "A Fellowship in Learning," and a significant portion of them had been realized when the College celebrated its Centennial in October, 1933.

In September of that year the Board of Trustees appointed Charles True Goodsell, Professor of History, as Vice-President. Dr. Hoben died on April 29, 1935, and Professor Goodsell was appointed Acting President. This interim period ended with the election in June, 1936, of Stewart Grant Cole, who served as President for two years.

He was succeeded in June, 1938, by Paul Lamont Thompson, whose ten years as President saw many things accomplished, despite the difficulties experienced by all educational institutions during the war years. The social and cultural levels of the College were raised, enrollment was increased, and the physical well-being of the campus was enhanced. Welles Hall, designed to serve as dining hall and student union, and Harmon Hall, new dormitory for men, were erected. Angell Field and Stowe Tennis Stadium were constructed.

Following Dr. Thompson's resignation in June, 1948, an Administrative Committee, consisting of Allen B. Stowe, Chairman, Harold T. Smith, and Everett R. Shober, was appointed to direct the affairs of the College during the year 1948-49. In January, 1949, Dr. John Scott Everton was elected President; he assumed his duties at the College in June, 1949.

**ACCREDITATION**

Kalamazoo College is approved by the Association of American Universities.

It is accredited by the North Central Association of Colleges and Secondary Schools.

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**The Campus**

Kalamazoo College is situated in Kalamazoo, Michigan, in a section of the state known for the natural beauty of its numerous inland lakes and rolling wooded areas. The city of Kalamazoo lies midway between Chicago and Detroit on the Michigan Central Railroad of the New York Central System. It has a population of 80,000, and for a city of this size is unsurpassed educationally and culturally. Enriching and serving the community are the Civic Theater, the Kalamazoo Institute of Arts, the Kalamazoo Symphony Orchestra, the Community Concert Association, lecture series, and the Kalamazoo Public Library. All these advantages are readily available to the student. Kalamazoo College students also have opportunities to work closely with leaders in the civic and business life of the city. Under arrangements of long standing, students in the department of sociology work with the social agencies of Kalamazoo; selected students in the department of chemistry have the opportunity and experience of working in the laboratories of the Upjohn Company of Kalamazoo in the field of research; students of economics and business administration may work with the W. E. Upjohn Institute for Community Research; and advanced students in political science furnish the personnel for Kalamazoo's Bureau of Municipal Research.

The college campus of over forty-seven acres is located on Academy Street in a fine residential section of Kalamazoo, about one mile from the central retail district. The main campus has been built on an oak-covered hillside, at the crest of which stands Stetson Chapel, symbolic of the ideal of Christian higher education.
Stetson Chapel

On April 22, 1932, Founders Day of the College, Stetson Chapel was dedicated. This beautiful Chapel, of New England meeting house style with an Italian tower, was made possible by the gifts of alumni and friends as a fitting tribute to the late Dr. Herbert Lee Stetson, for many years president of the College. Stetson Chapel, which seats 750 people, is a significant setting for chapel services, the commencement exercises, formal recitals, and sacred concerts.

The Hoben Memorial Organ was installed in the Chapel in the fall of 1936. It is a comprehensive three-manual instrument, built by M. P. Moeller, Inc., thoroughly modern in all details, tonally a distinctive masterpiece, and graced with a console of unusual beauty. The organ is used regularly at the chapel services and is available to organ students for practice.

The Kirby Memorial Amplification Unit, installed in March, 1947, is a gift of Winifred S. Kirby in memory of her late husband, Mr. Lewis H. Kirby, and her parents, Mr. and Mrs. Frederic B. Stevens. This unit makes possible the broadcasting of music from the Chapel tower and also provides a public address system for the nave.

Bowen Hall

Bowen Hall, built in 1902, is the administration building, in which are located classrooms and the administrative offices. In addition there are an assembly hall, the drama workshop, and meeting rooms for student literary societies. The assembly hall has a platform equipped for the presentation of plays by the College Players and by the classes in dramatics.

Biology Laboratories. The laboratories occupy four rooms on the first floor of Bowen Hall. Adjacent to the laboratories are a general lecture room, a photographic dark-room, a glass room, a conservatory, a preparation room, the store rooms, and a reading room containing a selected collection of periodicals and reprints. Apparatus used in the work of instruction and research includes microscopes, binocular dissecting scopes, camera lucida, hand magnifiers, immersion lenses, paraffin baths, warming ovens, rotary collodion and freezing microtomes, and incubators. Portable projection lanterns, charts, models, lantern slides, microscope slides, and illustrative collections are extensively used. The department maintains a teaching museum of botanical and zoological material and a permanent exhibit of over two hundred mounted birds.

Praeger Greenhouse. Through the generosity of friends, a greenhouse was erected in 1925 in honor of the late Professor William E. Praeger. It is located at the south side of Bowen Hall. It makes possible experiments with living plants and contains illustrative tropical and semitropical forms of plant life.

R. E. Olds Science Hall

The R. E. Olds Science Hall, built in 1927, houses the physics and chemistry departments. This substantial, fireproof building is the gift of R. E. Olds, a member of the Board of Trustees of the College. Both the building and its equipment embody the best that can be had for scientific study in these two fields. The structure, apportionment of space, exhaust system, electrical, gas and water service, supplies system, instruments, and technical apparatus have been determined by thorough consideration of the present status of the two sciences to be served and with a view to thoroughness in grounding students in these sciences and carrying the ablest of them through advanced courses toward significant research.

Chemistry and Physics Laboratories. On the basement floor of the Science Hall are the machine shop, the laboratory for dynamo machinery, the photographic laboratory, and the storage rooms. On the first floor are the physics lecture room, preparatory room, offices, mechanics and heat laboratory, laboratory for spectroscopy, central battery and switch-board room, laboratory for photometry, and three private laboratories for advanced students; on the second floor, the chemistry lecture room, stock rooms, balance rooms, offices, six private laboratories for advanced students, and
general laboratories for quantitative analysis, physical chemistry research and physiological chemistry; on the third floor, stock rooms, balance rooms, and general laboratories for inorganic and organic chemistry and qualitative analysis. A Foucault pendulum tower in the center of the building provides for demonstrating the rotation of the earth.

For the courses in chemistry, several major pieces of equipment are available to the students in addition to the standard items of laboratory apparatus and supplies. These include a heavy duty high temperature electric muffle furnace, electric combustion furnaces, precision constant temperature baths, an adiabatic bomb calorimeter, equipment for the precision measurement of the electrical conductivity of solutions, equipment for using liquid ammonia, and facilities for glass blowing using either "soft" glass or "pyrex" glass.

For the course in astronomy, a four-inch refracting telescope is mounted on a knoll about one mile south of the city limits, where there is an unobstructed view of the sky. This telescope has an equatorial mounting, accurately divided circles, and electric-clock drive. The equipment for astronomy also includes a mechanical model of the solar system, a special globe to illustrate precession of the equinoxes, one hundred lantern slides, large-scale star maps, and a number of special devices for lecture-table demonstrations.

Mandelle Library

By the will of Mary Senter Mandelle, of Stonington, Connecticut, the College received a bequest for the erection and maintenance of a memorial library. The building, called the Minnie Mandelle Memorial Library, was put into service with the opening of college in September, 1930. It is a building of exceptional beauty.

The Mandelle Memorial Library building contains four seminar rooms, a club reading room for informal reading, several lecture rooms, an exhibition room for the Art Department, and a room for faculty and trustees, in addition to the reference reading room and the periodical room.

Mandelle Library has more than 43,000 cataloged volumes and is continually adding to that collection so that both students and faculty may have information on the latest developments in each field. Many noteworthy collections of books have been given to the library. It receives more than 400 periodicals and has an extensive pamphlet collection. The library is open sixty-nine hours each week, giving students ample time to use its resources. Students are allowed free access to the stacks in which there are carrells for private study.

The Kalamazoo Public Library is also available to students of the College. This library contains over 70,000 volumes.

The Music House

The South Street Music House, located within a five-minute walk of the campus, houses the applied music department. Well-appointed studios and practice rooms are equipped with one or more pianos and suitable furnishings to provide a pleasant atmosphere for the study of music.

A comprehensive library of recordings of great music is located in the music room of the Annex. A two-manual pipe organ for the use of music students is located in a room adjacent to the alumni room in Tredway Gymnasium.

Tredway Gymnasium

The Arthur C. Tredway Gymnasium was originally constructed in 1911. During the summer of 1930, it was remodeled and enlarged through a generous bequest from the late Arthur C. Tredway of the class of 1898. The building is well-equipped to meet the needs of the physical education classes and of the indoor sports programs of both men and women students. It provides a playing floor of fifty by ninety feet and has seating accommodations for two thousand people.

Angell Field

In 1944, the purchase of twenty-two acres of land for athletic and physical education purposes was made possible by gifts from the Kalamazoo Foundation, the W. E. Upjohn
Estate, the Sutherland Paper Company, the Kalamazoo Stove Company, the Upjohn Company, and Charles B. Hays.

A gift of the late William R. Angell, and Mrs. Angell, made in memory of their son, Chester M. Angell, who was killed in action over Sardinia in World War II, provided for the development of a fine football field with stadium and pressbox, lights for night contests, and a quarter-mile running track, thirty feet wide, with a 220 yard straightaway. Angell Field, surrounded by shrubbery, lawn, and a beautiful memorial gate, was dedicated on October 19, 1946. When completed, there will be a baseball diamond, practice football field, and parking area.

**Stowe Tennis Stadium**

The Stowe Tennis Stadium was constructed in 1946 with funds provided by the people of the city of Kalamazoo. Nine clay courts with red teniko surface, permanent seating for 1,500 spectators, pro shop, judges' stand, and press box, are provided. The National Junior and Boys' Tennis Championships are scheduled at this stadium through 1950. Numerous local and state tournaments are also scheduled each year. This stadium is considered one of the finest college layouts in the country. It was named in honor of Dr. Allen B. Stowe and dedicated on August 3, 1946.

There are also five all-weather (grastex) courts, constructed in 1941, immediately adjacent to Tredway Gymnasium.

**Welles Hall**

Welles Hall, made possible by a bequest of the late F. R. Welles, was first occupied in January, 1940. It serves as a dining hall and union. The attractive main dining room, with high vaulted ceiling and arched windows, accommodates three hundred guests.

At the west end of the dining hall is a large fireplace and speakers' platform. On the east wall is the mural entitled "The Bridge of Life," made possible by grants from the Carnegie Corporation of New York. The painting is the work of Mr. Philip Evergood, who accepted the appointment as temporary member of the faculty with the title of Resident Artist. Mr. Evergood began his work early in the fall of 1940, and the mural was completed and dedicated in May, 1942.

The breakfast cafeteria, the kitchen and equipment are housed in a wing on the south side of the building. On the ground floor is a large comfortably furnished lounge where town students and campus students may meet informally. Adjacent to this lounge are a soda fountain, the campus book store, and a small dining room for the use of student organizations and other groups.

**College Residences**

**HARMON HALL,** residence for men, was first occupied in September, 1947. It was dedicated on October 18, 1948, and named Harmon Hall in honor of Claude M. Harmon, a Trustee, of Detroit. It is a three story fireproof brick structure of the most modern design and accommodates one hundred twenty-two men. A commodious lounge, a recreation room, a dormitory kitchen, laundry, living quarters for the house supervisor and his family, guest room, and the infirmary are located on the first floor.

**HOBEN HALL,** residence for men, is the gift of Dr. Enos A. DeWaters, '00, and the late Mrs. DeWaters, '99, of Flint. It was opened and dedicated on January 20, 1937. It is a three story fireproof brick structure with accommodations for one hundred sixteen men. On the first floor are a beautifully appointed lounge which is frequently used for receptions and parties, a central office, a suite of rooms for the house supervisor, and an infirmary.

In both Hoben Hall and Harmon Hall there is a variety of room arrangements for the students, including the regular single bedroom-study and double bedroom-study combinations. There are also suites for two men, providing one bedroom, study, and bath; and suites for four men, providing two bedrooms, study, and bath.
MARY TROWBRIDGE HOUSE, a fire-proof residence for women, was first occupied in the school year of 1925-1926. It is situated in the college grove on the west side of the campus. It is modern in every respect and is attractively furnished. This dormitory contains accommodations for approximately one hundred sixty young women and the house director. Besides the individual rooms, each of which is furnished for two students, there are kitchenettes, a spacious living room, guest room, playroom, sun parlor, sun deck, and an infirmary. A terrace and court have been landscaped at the east side of the building.

In addition to Mary Trowbridge House, an annex near the campus has been equipped to house ten girls and a house supervisor.

President's Home and Seminar Homes

A brick colonial residence is provided for the President and his family. The home is beautifully situated at the extreme end of the upper campus and constitutes a distinctive part of the group of college buildings.

In 1927, the Trustees of the College erected four faculty homes on the southwest corner of the campus. These homes, of New England colonial type in brick and slate, are used in both the educational and the social programs of the College. They served both faculty and students so well that in 1930 three additional seminar homes were built on the west end of the campus.
HOBEN HALL — Residence for Men
Gift of Mr. and Mrs. Enos A. DeWaters, Flint

WELLES HALL — Dining Hall and Student Union
Gift of F. R. Welles
The College Community

Kalamazoo College seeks to develop in the individual student that keen sense of personal responsibility which makes for good citizenship in a democratic society. By becoming a useful and cooperative member of the college community, the student prepares himself to be a desirable member of that larger society which he enters upon graduation. He learns to respect the rights of others and to be tolerant of beliefs and ideas which differ from his own. The College concerns itself with the task of cultivating good manners and the social graces in its students. For these reasons the experience of living together in the college residences is considered an important part of the educational program of the College.

The College reserves the right to dismiss any student who does not maintain high standards of personal conduct or who refuses to respect the rights of his fellow students. The standards of the College do not permit gambling or the use of alcoholic beverages on the campus.

RELIGIOUS LIFE

Kalamazoo College is dedicated to the ideal of Christian higher education. It was founded as a Christian institution and has maintained a religious emphasis during all the years of its existence. The College holds that vital religion is consistent with the highest learning, and, what is more, that education without religious anchorage and control is not only imperfect but dangerous.

Although Kalamazoo College is a contribution of the Baptist denomination to higher education in Michigan, it is non-sectarian, striving without denominational bias to develop in its students a Christian philosophy of life and to maintain such influences as will tend to build up strong Christian character.

To this end, a chapel service is held twice each week. The voluntary religious activities of the college are organized under the leadership of the Director of Chapel, who...
works in close cooperation with a faculty and student committee. Since Kalamazoo is an important educational center, religious work for students is maintained jointly by the Baptist, Congregational, Methodist, and Presbyterian denominations, organized in what is known as "The Inter-Church Student Council," with a full-time director. This movement, by means of its varied program, ministers effectively to the religious needs of students.

In addition to this cooperative program, the various churches of the city welcome students, are alert to their needs, and provide special facilities for them. The policy of the College is to encourage students to maintain normal church relationships. The academic curriculum includes a Department of Religion.

But beyond these more formal expressions of its religious purpose, the College endeavors to create and maintain an environment conducive to high thinking and right living, wherein every relationship is permeated by the Christian spirit. The members of the faculty are men and women of genuine Christian character, and the warm, personal interest existing between the student and the instructor is a practical expression of the spirit of the Great Teacher.

STUDENT ACTIVITIES

Student activities are regarded as an integral part of the college program. They provide varied opportunities for wholesome self-expression. Every student is encouraged to participate in at least one activity each year. Each student is expected to earn four activity credits during his college course. An activity credit is awarded for participation in one of the extra-curricular activities or for holding a major office in a student organization. The number of such activities in which he may take part is determined, in conference with his faculty adviser, according to his individual tastes and capacities, his academic load, and the amount of self-help employment which he has.

Members of the faculty assist in the direction of the several organizations. Faculty approval is required before any new student organization may be formed.

GENERAL COLLEGE ORGANIZATIONS

THE STUDENT BODY is organized for the purpose of promoting extra-curricular activities, social events, and other projects of interest to the students. The officers of the Student Body consist of a president, a secretary-treasurer, and the student managers of athletics, forensics, and publications. The student managers work in cooperation with various faculty committees for the promotion of extra-curricular activities.

THE SENATE is the executive committee of the Student Body. It consists of the elected officers, editor of Boiling Pot, social chairman, religious affairs representative, student assemblies representative, a representative of each of the classes, a representative of married veterans, and the presidents of the Women's League and the Men's Union.

THE WOMEN'S LEAGUE was organized in 1929 for the purpose of uniting all women in the projects which concern the social, musical, athletic, and philanthropic activities of women students. These activities include the arrangements for welcoming new women; the Ginling banquet and the contributions to Ginling College; the annual Christmas Carol Service and Christmas social service project; the May Fete; career conferences for college women along lines of vocational interests; and any welfare or social activities in which the assistance of Kalamazoo College women may prove helpful. All undergraduate women are members of the League.

A League Council, composed of the elected officers, appointed committee chairmen, two women faculty members, and the Dean of Women, meets regularly once a month to transact the ordinary business of the League. The entire League meets at least once each semester for a business, educational, and social program.
THE MEN'S UNION was organized in the autumn of 1939. It includes all men students of the College. Its purpose is to sponsor activities and programs of interest to men. Outstanding speakers are heard at the regular meetings. During the second semester the Union sponsors a series of roundtable vocational conferences.

MEN'S AND WOMEN'S SOCIETIES. There are seven societies which provide social and literary activities for the students. The men’s organizations are: the Sherwood Rhetorical Society, founded in 1851; the Philo Lambda, founded in 1855; the Century Forum, founded in 1900; and the Married Veterans' Society, founded in 1946. The women’s societies are: the Eurodelphian Gamma Society, founded in 1856; the Kappa Pi Society, organized in 1906; and the Alpha Sigma Delta Society, which was founded in 1920. The regular meetings, scheduled for alternate Wednesday evenings, deal with business, literary, and social subjects. Each society holds occasional open sessions to which new students and friends are invited. Five rooms in Bowen Hall and one in Tredway Gymnasium are available for the use of the societies, thus enabling each organization to have a regular meeting place.

SCHOLASTIC HONOR SOCIETIES

Phi Kappa Alpha, the academic honor society, was organized in May, 1940, by the members of the faculty holding membership in Phi Beta Kappa, Phi Kappa Phi, or Sigma Xi. Its purpose is to promote and give formal recognition to high scholastic achievement among the students of Kalamazoo College. Early in the second semester the faculty members of the society elect to membership a limited number of seniors and a smaller number of juniors on the basis of their academic records for three and a half or two and a half years. The new members are honored at an invitation banquet at which they also receive the society emblem, the Phi Kappa Alpha key.

A chapter of the national Alpha Lambda Delta, freshman scholastic honor society for women, was installed on March 5, 1942. The national organization was founded at the University of Illinois in 1924, and there are now more than fifty chapters, all in colleges approved by the Association of American Universities. Freshman women who make an average of 2.5 for the first semester or for the entire year are eligible for membership.

MUSICAL ORGANIZATIONS

The College Singers, a vested chorus of mixed voices, sings at the chapel services and presents special programs from time to time on and off the campus. The repertoire includes sacred and secular choral works, both accompanied and a cappella. Each season an oratorio or opera is presented, including such works as Dubois’ “The Seven Last Words,” Mendelssohn’s “Hymn of Praise,” Smetana’s “The Bartered Bride,” Kurt Weill’s “Down in the Valley.” Membership is by try-out in the fall and is open to all students who can qualify.

The Madrigal Singers, organized in 1940, consists of eight picked voices, four men and four women, who specialize in the study and performance of sixteenth and seventeenth century motets and madrigals.

The Men’s Varsity Quartet and the Women’s Varsity Quartet prepare specialized programs and provide music for various college and community affairs.

The Women Carolers present the annual Christmas carol service in Stetson Chapel under the auspices of the Women’s League. All college women who sing are eligible to participate.

The Chamber Music Ensemble offers to players of strings, woodwinds, and other orchestral instruments opportunity to gain ability and experience in the playing of classic and modern chamber music. A string trio and other
ensembles, formed from the larger group, broaden the field of work for the more proficient players. These units provide music at various functions as need may arise. Admission is by competitive try-outs under the supervision of the Director.

The College Band, in addition to providing music for athletic contests, parades and festivals, undertakes systematic study of standard overtures and the classic repertoire. Several concerts are given during the year in Kalamazoo and surrounding territory. Uniforms and some of the instruments are provided by the College. Students having some ability and experience in band work are admitted after consultation with the faculty director.

The Overley Society is open to all students enrolled in applied music. Program meetings are held monthly, directed by student officers, with members of the music faculty as counselors. The main purpose of the club is to afford its members opportunities to gain experience in public performance.

The Bach Festival is sponsored annually by the College Music Department each year, featuring a series of three programs in Stetson Chapel by a Festival chorus, symphony orchestra, and organ, assisted by distinguished guest soloists. The programs consist of the major Bach oratorios, church cantatas, and chamber music. Opportunity for participation is offered qualified student singers and instrumentalists.

Dramatic and Forensic Activities

Kalamazoo College is a member of the Michigan Intercollegiate Speech League, which includes the following: Michigan Intercollegiate Debate League, Michigan Intercollegiate Oratorical League, Michigan Extemporaneous Speaking League, Michigan Interpretative Reading League, and Michigan Intercollegiate Discussion. Through the M.I.S.L., affiliation is held with the Interstate Oratorical League.

Freshmen, as well as other students, are permitted to try out for oratory, debate, extemporaneous speaking, and interpretative reading. Successful candidates represent the College in numerous state, interstate, and national contests, thus gaining valuable experience in effective public speaking.

Pi Kappa Delta is the national honorary speech fraternity, of which Kalamazoo College has the Michigan Alpha Chapter. Eligibility is based upon the candidate’s participation in a recognized intercollegiate contest in oratory or extemporaneous speaking, or in individual original speaking on two subjects; in five decision debates, or in eight non-decision debates.

The College Players, sponsored by the Speech Department, each year produces four major productions and a series of one act plays for public performance, and engages in other dramatic activities. Membership is open to any interested students, and active participation either backstage or frontstage is expected.

Student Clubs

The International Relations Club was organized in the fall of 1921, under the direction of the Carnegie Endowment for International Peace. This club is composed of those students who are particularly interested in matters of international importance. The members hold meetings monthly at which they are usually addressed by speakers from off campus. Moving pictures on current affairs are frequently shown.

The K Club is composed of all men who have received their college letter for distinction in athletics. In order to win a “K”, the athlete must possess good scholarly and moral qualities, as well as marked ability in physical contests. The emblem is given upon the recommendation of the Department of Physical Education when confirmed by the Athletic Board of Control. No awards are made, however, prior to the completion of one semester’s work in the College.

The Society of Caduceus was organized in October, 1937. According to its written constitution, its objectives are “the promotion of a finer fellowship among the men of
the College who are interested in gaining a broader association with the medical profession in its various aspects and requirements, and the stimulation among the entire college body of a wider and more intelligent interest in the problems, achievements, and functions of contemporary biological science."

KAPPA DELTA CHI, organized in the spring of 1941, is open to students who are preparing for the Christian ministry or some other full-time Christian vocation. Its purpose is summarized in the three words: fellowship, study, and service.

LE CERCLE FRANCAIS, organized in 1942, is open to students who, having had one year of college French or its equivalent, are interested in using the French language as a means of social intercourse and in participating in the planning and presentation of programs in that language. Meetings are held once a month.

THE ECONOMICS CLUB is made up of students who are interested in current economic problems. The purpose of the club is to promote thought and discussion on matters of economic concern.

THE SPANISH CLUB, organized in the fall of 1947, is open to students who are interested in using the Spanish language as a means of social intercourse and in participating in the planning and presentation of programs in that language. Meetings are held once a month.

STATION WJMD was established in 1948. Persons interested in any phase of radio may join the station. There is no requirement of previous radio experience. The method of broadcast is through carrier current and oscillation, and the station is known to the Federal Communications Commission.

STUDENT PUBLICATIONS

THE KALAMAZOO COLLEGE INDEX is a weekly paper published by the student body under the direct management of an elected board of editors working under the Board of Student Publications, which is a joint committee of student and faculty representatives. The paper contains student, faculty, and alumni news, and editorial comment on matters of student and general college interest. The editor-in-chief and the business manager receive financial remuneration for their work.

THE BOILING POT, the college annual, is published by the student body. It contains many illustrations and records of all student extra-curricular activities.

ATHLETICS

The College is a member of the Michigan Intercollegiate Athletic Association and maintains varsity teams in football, basketball, baseball, tennis, golf, track, and cross country.

Intercollegiate contests are favored for the stimulation of college spirit, interest in physical education and recreation, and for the development of self-discipline, health, and good character.

Such contests, are regulated by the Department of Physical Education, subject to the approval of the faculty Committee on Athletics. They are subordinate to the academic interests of the contestants and of the College as a whole, and are conducted on a high plane of sportsmanship. Eligibility rules are strictly enforced, and students must maintain a satisfactory level in college work to participate in intercollegiate contests.

In order to meet these objectives, the Department of Physical Education, including intercollegiate and intramural athletics, is conducted as an integral part of the whole college program.

It is the aim of the College to encourage all students to keep themselves physically fit, to learn new and interesting skills in sports, and to develop interest in wholesome recreation by participating in a wide variety of activities. More important than the success of any team engaged in
intercollegiate contests is the training of every student to develop those skills, attitudes, and habits that make for a wholesome, vigorous, and effective life.

The Women's Recreation Association is an organization open to all women students. Activity credits may be granted for participation in the events of the program. All activities may end in competition between individuals or groups. The selection of activities offered is based on popular demand and the only criterion is the individual's interest in the program. The following activities are considered at present: archery, badminton, basketball, bowling, folk dancing, fencing, golf, hiking, modern dance, riding, shuffleboard, softball, speedball, synchronized swimming, table tennis, and volleyball.

Admission

Application for admission to Kalamazoo College should be made to the Director of Admissions; he will answer questions concerning admission and will supply the necessary forms. All applicants are expected to fulfill the requirements described below. In exceptional circumstances, however, mature persons who have not had regular preparation for college may be permitted to enroll for special studies. Students may apply for admission after they have completed six semesters of high school work. They may be accepted conditionally then, pending successful completion of the senior year, after which they may be enrolled for the succeeding semester. (See calendar on pages 6 and 7 for dates.) Those wishing to enroll for September are urged to file an application before May 1, and those wishing to enter in February, before December 1. Accommodations are limited, and since room reservations are made when a student is accepted (receipt of an Official Certificate of Admission), only early application will insure a room.

ENTRANCE REQUIREMENTS

An applicant must:

a. Be a graduate of an accredited secondary school and have a high level of academic achievement.

b. Submit a recommendation from the principal or other school counselor certifying his ability to do college work.

c. File a medical report filled out by his family physician on a form supplied by the College.

d. Present fifteen units of acceptable secondary school work. Among these must be included certain major and minor sequences selected from the five groups of subjects listed below—a major sequence consisting of at least three units, a minor consisting of no less than two units.

A minimum of four sequences must be presented, which must include a major sequence from Group A and at least
one other major sequence. Not more than one of these required sequences will be accepted from any group except Group B. Sequences may be presented from two languages. At least twelve of the fifteen units offered must be in academic subjects.

GROUP A — ENGLISH
A major sequence of three or more units

GROUP B — FOREIGN LANGUAGE
A major sequence consists of three or more units of a single language; a minor sequence consists of two units of a single language. The foreign languages acceptable for a sequence are Greek, Latin, French, German and Spanish.

GROUP C — MATHEMATICS-PHYSICS
A minor sequence in this group must include one unit of algebra and one unit of geometry. A major sequence is formed by adding to this minor sequence one or more units from the following:

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced algebra 3/4 or 1</td>
</tr>
<tr>
<td>Solid geometry   3/4</td>
</tr>
<tr>
<td>Trigonometry     3/4</td>
</tr>
<tr>
<td>*Physics         1</td>
</tr>
</tbody>
</table>

GROUP D — SCIENCE
Any two units selected from the following constitute a minor sequence, and any three or more units constitute a major sequence.

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Physics      1</td>
</tr>
<tr>
<td>Chemistry      1</td>
</tr>
<tr>
<td>Botany         1</td>
</tr>
<tr>
<td>Zoology        1</td>
</tr>
<tr>
<td>†Biology       1</td>
</tr>
<tr>
<td>(Botany 1/2, Zoology 3/4)</td>
</tr>
</tbody>
</table>

* Physics may not be counted in both Groups C and D.
† If Biology is counted in these sequences, neither botany nor zoology may be counted.

ADMISSION OF VETERANS
The attention of veterans is called to the fact that Kalamazoo College has given and is giving careful consideration to their individual needs. Veterans wishing to make preliminary arrangements for receiving benefits under Public Act 346...
(G.I. Bill) or Public Act 16 (Rehabilitation Act) should contact their local offices of the Veterans Administration. If there are specific questions concerning benefits, costs, housing, etc., the veteran is invited to write to the Director of Admissions, Kalamazoo College, Kalamazoo, Michigan.

ADMISSION WITH ADVANCED STANDING

Students who wish to transfer from other accredited colleges or universities must have at least a C average and must file with the Director of Admissions an application for admission and a transcript of work taken in the previous institution. No candidate for the Bachelor's degree may enter later than the beginning of the senior year.

Expenses

COLLEGE FEES PER SEMESTER

Students Resident on Campus.................................. $562.50

This includes room, board, tuition, matriculation, graduation, music, library, laboratory, and other academic fees. It also includes dues for the Senate, the Women's League, the Men's Union, health service, forensics, the Index, the college year book, and admission to athletic contests. It does not include personal laundry, toilet articles, books, stationery, etc. In addition to the above, each resident student is provided with hospital insurance during the college year. This insurance coverage is for thirty days for each disability. For minor illnesses the College provides infirmary rooms in both the men's and women's residences and the services of a full-time resident nurse.

Students not Resident on Campus............................... $237.50

This includes tuition, matriculation, graduation, music, library, laboratory, and other academic fees. It also includes dues for the Senate, the Women's League, the Men's Union, health service (not hospitalization), forensics, the Index, the college year book, and admission to athletic contests.

Students carrying ten semester hours or more will be charged full tuition. A charge of $25.00 per semester hour is made to persons carrying less than ten hours.

In setting this comprehensive fee, the College is endeavoring to avoid the confusion that many parents and students have experienced in the past when separate fees were charged for many different things. However, in view of the current economic situation, the College reserves the right to change the fee schedule at the end of any semester.
PAYMENTS AND REFUNDS

College fees for each semester are due in full at the opening of the semester. If deferred payments are desired, this may be arranged by paying a slight additional charge. Students residing on the campus may arrange to pay $190.00 at the beginning of each semester, $190.00 at the end of the first six weeks, and $190.00 at the end of the first twelve weeks. Students not living on the campus may arrange to pay $81.00 at the beginning of each semester, $81.00 at the end of the first six weeks, and $81.00 at the end of the first twelve weeks. Attention is called to the fact that students availing themselves of the deferred payment plan will be required to sign notes at the beginning of the semester for the balance of the semester's account. Attention is further called to the fact that though a student may drop out of college at any time during the semester, it is expected that the entire semester's fees will be paid, except in case of prolonged illness of the student, necessitating an absence of half a semester or more. In no case is more than one-third of the total amount for the semester refunded.

RESIDENCE AND BOARDING

All out-of-town students are expected to live in the college residences and board in the college dining hall unless excused by the faculty Committee on Academic Standards. Room and board are not provided during any of the listed vacation periods.

Application for a room:

Application for a room by an out-of-town student is covered by the application for admission. (See page 47.) When he is admitted, a room is reserved for the applicant.

Men:

The rooms in the residence halls for men are furnished with single beds with comfortable springs and mattresses, pillows, spreads, study chairs, and easy chairs. Large double study desks, the newest type study lamps, and window draperies are provided. Book shelves and dressers are built into the walls. The student is expected to have his own blankets, bed linens, and towels. Although general maid service is provided, the students take care of their own rooms.

A key deposit of one dollar is required and is refunded when the keys are returned.

House dues of one dollar per year are payable at the opening of the fall semester. This fund is used to maintain the table games, to finance social events, and to supply magazines and newspapers for the lounge. The house fund is in charge of a treasurer of the hall, elected by the men.

Women:

In Mary Trowbridge House each room accommodating two persons is comfortably furnished with twin beds, regulation study table, chairs, mattresses, and pillows. The student is expected to provide her own bed linens, blankets, spreads, towels, window curtains, and closet curtains. Although general maid service is provided, the students take care of their own rooms.

A key deposit of one dollar is required and is refunded when keys are returned.

House dues of seventy-five cents a semester are collected by the house treasurer and are used for newspapers and magazine subscriptions and such other expenses as are approved by the house council.

Single Rooms:

In both men's and women's residences an additional charge of $25 per semester is made for the privilege of occupying a single room; a charge of $50 per semester is made for the privilege of occupying a double room alone, but this privilege is not granted if the exclusion of other students would result.

HEALTH SERVICE

The College seeks to safeguard and improve the health of its students. A staff of doctors, specialists as well as general practitioners, is immediately available to the student body. Appointments for consultation with doctors on this staff are
made through the campus nurse. The College does not assume financial responsibility for this medical service but does provide a registered campus nurse on a full-time basis. There are infirmaries in the student dormitories for resident students. The student is expected to consult his own physician in case of serious illness. Through the courtesy of the Michigan Department of Health, an annual x-ray examination for tuberculosis will be given each student free of charge. See page 49 regarding hospitalization.

CAR PERMIT

The College discourages the use of student cars on the campus and, therefore, advises parents and students that those who have a car are required to apply for a permit to have one and to make a ten dollar deposit to assure compliance with the parking regulations. Campus parking space is limited and the city prohibits parking on the streets overnight. All available space on the campus is assigned to faculty and a few students. Others must of necessity park their cars off the campus. This regulation applies to both resident and non-resident students.

Scholarships, Grants, and Awards

In order to recognize scholastic achievement and help students with limited means obtain a college education, the following scholarships, grant-earn assistance, and loans are provided. They are awarded for the period of one year and are subject to renewal each year for students who satisfy the Academic Standards Committee in classroom achievement and campus citizenship and whose need for assistance continues.

New students should file application for admission and an application for student aid with the Director of Admissions, who will supply the forms. Returning students may obtain blanks for student aid from the Dean and should submit them to him.

I. COMPETITIVE SCHOLARSHIPS

Each year, ten scholarships are available to entering freshmen who need financial assistance and who achieve the highest scores in the Scholastic Aptitude Test of the College Entrance Examination Board. Additional criteria to be considered will be the recommendations of high school officials and teachers, the leadership ability of the student as demonstrated in secondary school activities, and the student's character.

The scholarships are: one for $1000; three for $800; and six for $600. However, any student winning one of these awards who is able to commute will receive the full amount of tuition and fees, $475. A student winning any national scholarship and a competitive scholarship will receive a sum total award not to exceed the amount of the Kalamazoo College scholarship.

Students who win scholarships will be expected to earn part of their college expenses through part-time and/or summer employment. During the academic year, resident students who win a competitive scholarship are offered campus employment, which consists of work in the vari-
ous offices, the dormitories, the library, the laboratories,
the dining hall, or with the maintenance department.
Work is assigned according to need and ability, and the
remuneration is in addition to the scholarship. It is
assumed that students not living on campus will seek
employment in the Kalamazoo area.

Applicants must file a preliminary application for ad-
mission and an application for financial aid with the Di-
rector of Admissions. When the student receives notice
of eligibility for a competitive scholarship, he should ap-
ply to the College Entrance Examination Board, Box No.
592, Princeton, New Jersey, or Box No. 2416, Terminal
Annex, Los Angeles, California, for permission to take the
examination. The Board will send the permission, a bul-
letin of information concerning time and place of the
examination, and sample test questions. The examination
is given on December 2, 1950; January 13 and March
10, 1951. Centers for the examinations are located throughout
the country at 150 mile intervals, each serving the com-
munities within a 75 mile radius.

Any questions about competitive scholarships should be
addressed to the Director of Admissions. Announcement
of scholarships will be made on May 1, 1951.

II. GRANT-EARN Assistance

Resident students who have a definite need for financial
help and who do not win or do not qualify for a competi-
tive scholarship, may apply for grant-earn assistance. Pre-
ferrence, of course, will be given to those with high scholar-
ship records. This type of aid grants a certain amount of
money to the student (a maximum of $200 a year) and,
as a reflection of the institution's belief in the dignity of
work, provides the opportunity for him to earn a certain
amount of money (a maximum of $400 a year) through
campus employment. (See description of employment
under competitive scholarships.) The amount of grant and

the amount of work given will vary according to individu-
ual needs; for instance, a student may be granted $100
and allowed to earn $300, or he may be granted $50 and
allowed to earn $50. In general, to earn $50 in one
semester, it is necessary to work five hours a week through-
out the semester; to earn $100, 10 hours, etc. Students
may apply for campus employment only, if they wish.

Freshman students living in the Kalamazoo area who
are able to commute may apply for another type of grant-
earn assistance. If they need financial help and graduate
in the upper ten percent of their class, they are eligible
for a half tuition grant. This grant is given for the fresh-
man and sophomore years. If at the end of that period
the student ranks in the upper ten percent of his class at
Kalamazoo College and still needs assistance, the grant
is renewed. The same evaluation is used at the end of
the junior year.

If a freshman student needs financial help, is eligible for
admission to Kalamazoo College, and has an outstanding
talent in some particular field (athletics, music, speech,
etc.), he is eligible for a half tuition grant. A student must
present credentials, such as letters of recommendation,
attesting to his talent in a particular field, to the Academic
Standards Committee, via the Director of Admissions. This
grant is renewable according to the terms stated in para-
graph one of the student aid section, and on the basis of
the student's progress in the field of his particular talent.
It is assumed that anyone receiving these types of grant-
earn assistance will seek part-time and/or summer em-
ployment in the Kalamazoo area in order to earn part of
his college expenses.

Non-resident students who are not eligible for either
of these types of aid may apply for grant-earn assistance
as outlined for resident students, with the provision that
they locate employment in the Kalamazoo area. Preference
will be given to those with a high scholastic record.
Children of ministers and missionaries are eligible for a minimum grant of $100 under the grant-earn assistance type of aid.

When two children of one family are enrolled at Kalamazoo College at the same time, there is a discount of 5% on the total amount minus whatever aid the students may be receiving.

III. HONOR SCHOLARSHIPS

The major scholarship awards at Kalamazoo College are available only to those qualified students who have a definite financial need.

However, recognizing the intrinsic value of scholarship itself, the College is announcing the establishment of eight (8) special scholarships for $100 in honor of students who demonstrate unusually high academic achievement. These honor scholarships will be awarded regardless of financial need on the following bases: superior high school record, character, recommendations from high school authorities, and scores on the scholastic aptitude portion of the College Entrance Board Tests. They are awarded for the period of one year and are subject to renewal each year for students who satisfy the Academic Standards Committee in classroom achievement and campus citizenship.

The honor scholarships are available to applicants for the freshman class starting in September, 1951. Further information regarding these new awards may be obtained by writing the Director of Admissions, Kalamazoo College.

IV. STUDENT LOANS

Through the years, friends of the College have provided Loan Funds for worthy students who need to borrow. These funds now total more than $80,000. Loans are most commonly made to upperclassmen, but frequently there are circumstances under which it may be wise for an underclassman to borrow.

The terms for repayment of a loan are determined at the time the student graduates or leaves college. Interest is not ordinarily charged while the student is in school, but it is 3 per cent per annum thereafter.

DONORS TO SCHOLARSHIPS AND STUDENT LOAN FUNDS

The College gratefully acknowledges the gifts from donors who have made the foregoing program of scholarships and loans possible. It lists these gifts with deep appreciation.

Endowed Scholarship Funds

(The interest on the funds is available for scholarships.)

The Jesse Hoyt Ames Fund, established in 1940 by the bequest of Dr. Edward Ames; The Alexell Fund, established in 1876 from the estate of Miss Hannah Axcell; The Joseph W. Hicks Fund, established in 1911 by Mrs. H. D. Hicks, recipients being nominated by representatives of the Plainwell School Board and of the Plainwell High School; The Horace J. and Lizzie P. Fuller Fund, established in 1944 through the bequest of Mrs. Lizzie P. Fuller; The John M. Gregory and Louisa C. Gregory Fund, established in 1920 by bequest of Mrs. Louisa C. Gregory to aid worthy and self-sustaining students who pass the best competitive examinations in the preparatory studies; The H. H. LaTourrette Fund, established in 1909 by the late H. H. LaTourrette, preference given to candidates recommended by the First Baptist Church of Fenton, Mich.; The Thomas T. Leete, Jr., Fund, established in 1934 by the bequest of Thomas T. Leete, Jr.; The Emma O. Reed Fund, established in 1924 by Mrs. Emma O. Reed for applicants from Ingham County whenever nominated by vote of the First Baptist Church of Mason; The Emma Whyland Sharp Fund, established in 1935 by the late L. A. Sharp, preference given to music students chosen each June by a committee headed by the pastor of the First Baptist
Church of Alma, Mich.; The Lewis A. Taft Fund, established in 1873 by the late Lewis A. Taft; The C. Van Husan Fund, established in 1892 by the children of the late Caleb Van Husan to aid students preparing for the ministry; The Charles Willard Student Aid Fund, established in 1896 by the late Charles Willard. The total principal of the above funds is $96,285.

Unendowed Scholarship Funds
(The principal is available for scholarships.)

The Bachelor Scholarships. Two one-year scholarships in the amount of $100.00 each, given in November, 1948; the Ethel Girdwood Bachelor Memorial Scholarship, presented by Mr. Robert J. Beaumier, and the Frank H. Bachelor Scholarship, presented by Dr. and Mrs. John Boxwell, both in memory of Ethel Girdwood Bachelor.

The Chicago Alumni Scholarship, given by alumni living in Chicago.

The Claude Moore Harmon Scholarships, established in 1948 on the occasion of the dedication of Harmon Hall. One scholarship is provided by the First Baptist Church of Detroit and the second scholarship by Mr. and Mrs. Allen B. Crow of Detroit.

The Hoff Scholarship, established in 1944 by Mr. and Mrs. Robert H. Hoff. To be used by students from Grosse Pointe High School, Grosse Pointe, Michigan.

The New York Alumni Scholarship, given by alumni living in New York.

Student Loan Funds
(The principal and income are available for loans to students.)

The Fred Everett Loan Fund, established in 1942 by Mr. Fred Everett of Seattle, Washington; The Charles True Goodsell Memorial Loan Fund, established in 1942 in memory of the late Professor Goodsell of the Department of History; The Kimmis Loan Fund, established in 1948 through the bequest of Mr. Austin Kimmis of California; The Anne and Eleanor Kirby Loan Fund, established in 1943 by Mr. and Mrs. Lewis H. Kirby, to assist deserving members of Alpha Sigma Delta; The Kurtz-Bennett Loan Fund, established in 1943 by Dr. Charles J. Kurtz, '94; The Christina Redpath Munro Loan Fund, established in 1943 by her daughter, Mary Munro Warner, for special loans to students who wish to obtain a teaching certificate. The total principal of the above funds is $79,470.

Special Undergraduate Scholarships

The Praeger Scholarship in Biology was established in 1934 by friends and former students of the late Professor William E. Praeger, in cooperation with the University of Michigan. The purpose of this scholarship is to make possible for outstanding juniors and seniors a summer’s study at the Douglas Lake Biological Station of the University of Michigan. Undergraduate or graduate courses may be pursued. Three hundred seventy-eight dollars is now available.

The Presser Foundation Music Scholarship is awarded by competitive examination to a student interested in preparing himself as a music educator in either institutional or private fields. It carries an annual stipend of $250.

Upjohn Scholarships in Chemistry. Two scholarships per year, each amounting to $950.00, are provided by The Upjohn Company of Kalamazoo. They are awarded to seniors or juniors majoring in chemistry who have been selected by the Department of Chemistry, approved by the Committee on Scholarships and who are acceptable to The Upjohn Company. Recipients spend one semester and one summer vacation consecutively in a full-time laboratory position at The Upjohn Company. Recipients whose homes are not in Kalamazoo are expected to be campus residents during the regular semester in which they hold this scholarship.
Graduate Scholarships and Fellowships

THE UPJOHN RESEARCH SCHOLARSHIP IN CHEMISTRY, amounting to $750 a year, is awarded by the Upjohn Company of Kalamazoo to a graduate of the College recommended by the Department of Chemistry. The work done by these scholars in the research laboratory of The Upjohn Company is in pure chemistry, is supervised by the research director for Upjohn scholars, and leads to the degree of Master of Science. Fees amounting to $35 for the year are paid by each scholar.

THE ARTHUR L. BLAKESLEE SCHOLARSHIP IN MUNICIPAL ADMINISTRATION, the gift of Mr. Arthur L. Blakeslee, a trustee of the College, is awarded to a graduate of an approved college or university. The student under this award is assigned to the staff of the Kalamazoo Bureau of Municipal Research where his theoretical study of government administration is supplemented by contact with the processes of a functioning governmental unit. Applicants who have completed an honors major in Public Administration may expect to complete the work for the Master's degree in one year. The scholarship carries a stipend of $400 for the year. From this amount the regular college fees must be paid. Application should be filed by March 15. Blanks may be obtained by writing the Secretary of the Faculty, Kalamazoo College, Kalamazoo, Michigan.

THE W. E. UPJOHN UNEMPLOYMENT TRUSTEE CORPORATION RESEARCH FELLOWSHIPS, granted by the trustees of the W. E. Upjohn Unemployment Corporation, are awarded to graduate students who are engaged in research in connection with the Kalamazoo Bureau of Municipal Research. The work involved and the conditions on which the Master's degree may be earned are the same as for the Arthur L. Blakeslee Scholarship announced above. Each fellowship carries a stipend of $600 a year. From this amount the regular college fees must be paid. Application should be filed by March 15. Blanks may be obtained by writing the Secretary of the Faculty, Kalamazoo College, Kalamazoo, Michigan.

THE HERBERT LEE STETSON FELLOWSHIP. The late President Stetson in his will provided an endowment of $5,085.84 for a fellowship for a graduate of Kalamazoo College to pursue work at Harvard, Yale, Johns Hopkins, Chicago University, or a European university. The recipient must be a person of very high moral character and with such an academic record as will justify the expectation that he or she will develop into a very capable research student or will attain some marked excellence in some field of scholarship. This fellowship is not available for professional work other than in the Department of Education.

AWARDS

The College has approximately $300 to distribute each year in prizes. Eleven of these prizes are endowed and the others are provided by annual contributions.

Endowed Prizes

THE O. M. ALLEN PRIZE, endowed to the sum of $250 by the family of Mrs. J. D. Clement, is given for the best essay written by a member of the freshman class.

THE COOPER PRIZE, endowed to the sum of $250 by the late Charles Cooper, Esq., of White Pigeon, is given for the best delivery of an oration by a junior or a senior.

THE LEGRAND A. COPLEY PRIZE IN FRENCH, endowed to the sum of $200. This prize, established by the late Mr. LeGrand A. Copley, M.A., 1867, is awarded for excellence in the second year's work in French.

THE WILLIAM G. HOWARD MEMORIAL FUND, endowed to the sum of $4,000, one-half of the interest on which is applied to prizes in political science and economics, while the other half is used toward the professorship in political science, is endowed by Harry C. Howard in memory of his father, William G. Howard, B.S., 1867, for many years a
trustee of the College. One prize is awarded for excellence in any year's work in political science. One prize is awarded to that member of the graduating class who has done the best work in a major in economics.

The Winifred Peake Jones Prize, endowed to the sum of $500 by the late Mr. W. O. Jones, is given for excellence in the first year's work in biology.

Kalamazoo College Athletic Association Medal. To encourage a high standard of excellence in scholarship and athletics, a gold medal is awarded to that man of the senior class who in the opinion of the faculty has most successfully combined high scholarship with athletic prowess during his four years in college.

The Sherwood Prize, endowed to the sum of $250 by the late Reverend Adiel Sherwood, D.D., of St. Louis, is given for the best delivery of a declamation by a freshman at a public contest.

The Lemuel F. Smith Award, established by an alumnus in 1944, is endowed to the sum of $500. This annual award, consisting of one year's membership and subscription to one of the journals of the American Chemical Society, is given to the major in chemistry having at the end of the junior year the highest average standing in courses taken in chemistry, physics, and mathematics.

Mary Clifford Stetson Prize. The late President Stetson provided for a gift of $1,017 to Kalamazoo College to endow an annual prize to be given for excellence in English essay writing by a senior. The prize is known as the Mary Clifford Stetson Prize established by her husband, Dr. Herbert Lee Stetson, in her honor.

The Stone Prize is endowed to the sum of $500. On account of a gift to the College from the Sarah Messer Thurston estate, the trustees have established an annual prize for excellence in the Department of Education to be known as the Stone Prize, in honor of J. A. B. Stone, D.D., president of the College from 1843 to 1863.

The Clark Benedict Williams Prize in Mathematics, endowed to the sum of $400 by the mathematics majors of the Class of 1923, is awarded to that member of the graduating class who, having completed with excellence at least twenty-four hours in mathematics, has made the best record in mathematics and the allied sciences.

Unendowed Awards

The Allen Prize in Physics, offered by Mr. Gerald H. Allen, is awarded for the best year's work in advanced physics toward a major.

The Gerald Allen Prize in Spanish, offered by Mr. Gerald H. Allen, is awarded for excellence of work in advanced Spanish.

The James Bird Balch Prize in American History, offered by the Hon. J. B. Balch, is awarded to that member of the graduating class who has done the best work in the field of American history.

The Cooper Prize in Physics, offered by Mr. Bert H. Cooper, is given for excellence in the first year's work in physics.

The Hammond Prize in Philosophy, offered by Mrs. Lee Hammond, is awarded to that member of the graduating class who has taken at least two courses in philosophy and written the best essay on some phase of the philosophy of William James.

The Hodge Prize in Philosophy, established in memory of the Reverend Marvin G. Hodge, D.D., is awarded to that member of the graduating class who, having taken at least a minor in philosophy, has the highest standing in this field.

The Kirby Prizes in Music, offered by Mrs. L. H. Kirby, are awarded for excellence in organ, piano, violin and vocal music respectively.
THE KURTZ-BENNETT PRIZE, established by Dr. Charles J. Kurtz, '94, for the freshman showing most academic progress.

THE OAKLEY PRIZE, offered by Mrs. C. W. Oakley, is awarded to that member of the graduating class who has the highest record for the entire college course.

THE MRS. R. E. OLDS PRIZE IN ENGLISH LITERATURE, established by Mrs. R. E. Olds of Lansing, is awarded to that senior majoring in English literature who has maintained the best academic record in this subject throughout the last three years of his college course.

THE TODD CHEMISTRY PRIZE, established by the late Albert M. Todd, is given for excellence in the first year's work in chemistry.

THE TODD SOCIOLOGICAL PRIZE, established by the late Albert M. Todd, is given for excellence in work in sociology in the junior year.

THE UPJOHN PRIZES IN CHEMISTRY, offered by The Upjohn Company, are awarded for excellence in any year's work in chemistry, except courses 1 and 2.

Administration of the Curriculum

COUNSEL AND GUIDANCE

Each new student is assigned a faculty adviser and a student counselor at the opening of the college year. These counselors assist him in planning his program, in making the proper adjustments to college life, and in meeting the various problems that arise during his first year on the campus. Between the opening of the second semester and the mid-term of the second semester, all sophomores are to choose a counselor from the department in which they want to do their major work.

Cumulative records are made of the student's activities and achievements. Psychological, personality, and vocational aptitude tests are given. Physical examinations are given at regular intervals and a careful record of the health of the student is kept. Using these data, the director of student personnel, the deans and the faculty advisers seek to provide helpful and intelligent direction and guidance for each student, based upon his peculiar interests, needs, and capacities.

Members of the faculty are in their offices at regular hours for conferences with students. In addition to this, students are frequently invited to the faculty homes, and faculty members are often visitors at the college residences. A coffee hour in the lounge of Hoben Hall provides a further opportunity for friendly fellowship between students and faculty.

REGISTRATION AND ELECTION OF STUDIES

Before entering upon classroom work, students are required to enroll with the Registrar, to file an election blank approved by their faculty counselor, and to pay at least one third of the semester's fees in advance. These three things constitute registration.

Registration of new students will occur on Monday, September 13, 1950, and on Tuesday, February 6, 1951. Other students are required to make their elections for the first
semester one week before the beginning of the June examinations and for the second semester one week before the beginning of the January examinations. A fee of one dollar per day is charged for late elections.

Changes in elections may be made with the approval of the counselor, but changes made after one week from the day classes begin in any semester are subject to a fee of one dollar per day. A course dropped after the sixth week is recorded as a failure except by special action of the faculty.

No credit is recorded for any course not properly elected.

Students may not elect less than fourteen or more than seventeen hours of work without the approval of the Faculty Committee on Scholarship. Fifteen hours is considered a full load for the average student. No student who received a grade of E, F or I in any course the previous semester is permitted to elect more than seventeen hours of work. No student is permitted to elect more than nineteen hours of work.

FRESHMAN INDUCTION PROGRAM

All first year students are expected to be present at the freshman assembly in Stetson Chapel on Thursday, September 14, 1950, at 9:00 a.m. and to participate in the orientation program. This program includes a series of tests for all first year students, conferences with faculty members, and talks by members of the student body and staff of the College. The Faculty-New Student Dinner and other social gatherings provide opportunities for all to become acquainted before the academic work begins. Meetings are held on successive Wednesday evenings during the early part of the semester, at which the new students become acquainted with the history, aims, and organization of the College, the use of the library and laboratories, the campus traditions, the opportunities offered by the student organizations, and the cultural activities in the city.

FRESHMAN ELECTIONS

1. All first year students are required to take Composition* 1, 2 and physical education.

2. Each student will choose one course each from a and b, and four or five hours from c.

   a. A foreign language, four hours each semester.

   b. A laboratory science, four hours each semester or Mathematics 1, 2. (It should be understood that a laboratory science is required for graduation while mathematics is not so required.)

   c. Four or five hours from the following:

      French, German, or Spanish, 1, 2, or 3, 4. Biology, 3, 4; Chemistry, 1, 2 or 2, 4; Physics 1, 2. Mathematics, 1, 2; 21, 22; History, 1, 2; 53, 54. Art, 3, 4; 5, 6; Religion 4; 11, 12, 13, 14. Music, 1, 2; 3, 4. Applied or ensemble work. Speech, 11, 12.

ATTENDANCE

Students are expected to be present at all regular class or laboratory sessions of the courses which they elect. There is no system of allowed absences. It is not expected that teachers will assist students to make up work missed during absences unless such absences are due to illness or some equally valid circumstance. Instructors report to the Dean any student who has three consecutive absences and warn any student whose absences have reached a point where his class standing is endangered. If such warnings are disregarded, the student may be excluded from the class.

The College reserves the right to dismiss any student who is unwilling or unable to maintain a reasonable standard of work.

*Students who have done excellent work in English in high school and who place high in the special English test given during the induction program may be permitted to substitute for Composition 1, 2, an advanced course in the Department of English.
EXAMINATIONS

At the end of each semester, students are examined in all the studies of that semester. These examinations are written and usually last from two to three hours. A student reading for honors may be excused from course examinations in the field of study in which he is working. In lieu of these, a comprehensive examination is taken at the close of the senior year.

Supplemental examinations for students with standing E are held twice during the college year, on the first Wednesday in October of the fall semester, and on the last Wednesday in April—October 4, 1950, and April 25, 1951. These examinations are given at 1:30 p.m., and are in charge of a proctor appointed by the Dean.

STANDINGS

The student's standing is found by combining the examination, class, and laboratory records. Every student receives a report card at the end of each semester on which the standing is expressed by the letters A, B, C, D, E, F, and I. A signifies a high standing; B, good; C, passing; D, merely passing; E, condition; F, failure; I, incomplete. A gives three quality points per credit hour; B, two; C, one; and D and F, none.

Students with standing E in any course are given one opportunity to receive credit with D standing by passing satisfactorily a supplemental examination; but unless this supplemental examination is taken and passed satisfactorily before the course is given again, the grade E automatically becomes F. Students with standing F receive no credit for the course. Those with standing I may receive credit on completion of a definite portion of the work of the course before a date fixed by the instructor; but unless removed before the end of the following semester, an I automatically becomes an F.

Reports of grades are sent regularly to parents or guardians at the close of each semester; mid-semester reports for students on probation are sent to parents. On request, grade reports are sent to the schools in which the students were prepared.

PROBATION. A student is placed on probation by a faculty committee when his grades for any semester fall below a C average. To regain satisfactory standing, a student must secure at least a C average for all his work in the succeeding semester. Failure to achieve this C average in the succeeding semester will result in a request from the committee that the student withdraw from the College because of poor scholarship.

TRANSCRIPTS. Each student is entitled to one transcript of his record free of charge. Additional copies are supplied at a cost of one dollar each. When asking for a transcript, the student should give his full name and the dates of attendance.

HONORS

HONORS FOR THE YEAR. Students who have satisfied the entrance requirements and who have completed at least twenty-eight hours of work, including the required work, for each year of residence are eligible. Honors for the year are awarded to eligible students if they have earned 2.3 quality points per hour for the work of the year.

High honors for the year are awarded to eligible students who have earned 2.75 quality points per hour for the work of the year.

HONORS FOR THE COURSE. Graduating seniors, including those who have transferred from another institution, are eligible provided they have spent their junior and senior years at Kalamazoo College.

Honors for the course are awarded to eligible students who have earned an average of 2.5 quality points per semester hour for the whole college course. In case the student entered with advanced standing from another college, the work brought in transfer must be included in the computation of quality points.
High honors for the course are awarded to eligible students who have attained a quality-point average of 2.75 for the whole course.

Recipients of "honors for the course" receive their degrees Cum Laude. Recipients of "high honors for the course" receive their degrees Magna Cum Laude.

HONORS IN A MAJOR. Honors in a major are awarded on the basis of successful completion of an approved course of study and a comprehensive examination covering all the work included in the major. Details of the plan are as follows:

1. A student who plans to work for honors in a major must declare his intention not later than the beginning of his senior year and preferably at the beginning of his junior year.

2. He must have at least a B average for his entire course up to the date of his application to work for honors, and this application must be approved and signed by his counselor in the major department or field. The program for his honors work must be submitted to the Committee on Honors before the end of the second week of the semester. Upon approval the student is designated as "reading for honors" and a copy of his program is filed by the Committee.

3. Reading for honors includes any or all of the following features, in addition to regular course work: individualized courses, seminars, independent reading and study, frequent conferences with the major counselor.

4. As the objective for the student is comprehensive knowledge and understanding within a department or field of study, honors work includes material not covered in regular courses, and its success is measured by the extent to which the student has mastered the area of his major and by the richness and range and understanding in that area.

5. An average of 2.5 quality points per hour for all courses taken in the major up to the middle of the senior year is a prerequisite for admission to the comprehensive honors examination. The written portion of this examination is given on the Tuesday following the third Monday before commencement—May 15, 1951. The oral examination is held during the same week. At the discretion of the instructors involved, examiners who are not members of the college faculty may be invited to assist with the oral examination. For the written examination the principle of using examinations that are national in scope is endorsed. The use of the Graduate Record Examinations is recommended in certain fields of concentration.

6. In order to provide an opportunity for uninterrupted study, an honors student may, with the consent of his counselor, be excused from class attendance in his major for one week before the comprehensive examinations.

7. Academic credit of not less than four hours and not more than six hours is allowed for the additional work done for Honors in a Major. For the records such work is designated as 195 or 196.

8. The fact that a student is graduated with honors in the major is noted on the commencement program and in the college catalogue for the following year.

SOPHOMORE, JUNIOR AND SENIOR HONOR LISTS. Any student beyond the freshman year who ranks in the upper tenth of his college class for all previous work is recognized for high scholastic achievement, and his name is placed on his class honor list. He is recognized in the Honors Day Chapel, and his name is printed in the Honors Day program. His name is starred in the catalogue roster of students, and he is eligible to apply for Grant-Earn Assistance (see page 54).

HONORS DAY

Honors Day is observed by the College early in the first semester of each year. On this occasion all scholastic honors and prizes for the preceding year are awarded, except those given to seniors at the preceding commencement.

PLACEMENT

The College undertakes to give guidance and assistance to its students in their efforts to obtain employment after leaving College in business, teaching, and junior professional positions, to secure admission to graduate and professional schools, and to adjust themselves to the problems they face after graduation. The College has been unusually successful in helping its students and alumni to secure scholarships, fellowships, and assistantships in graduate schools.
On the basis of objective tests, interviews, and cumulative records, an effort is made to assist the student in deciding on the type of work for which the student is fitted. In addition, the Office of the Dean has established a program whereby representatives from the various fields are brought to the campus to talk to the students and to interview them. A Career Week Conference is also held each spring. Contacts are maintained with the public schools, graduate and professional schools, business firms, and governmental agencies.

SUMMER SCHOOL

The College will organize and conduct summer school courses in those subjects for which there is a sufficient demand. Separate charges are made for these courses and are in addition to the regular tuition charged for work done during the academic school year. Information concerning the summer courses may be had from the Registrar upon request.

Requirements for Graduation

THE COURSE OF STUDY

The course of studies leading to the degree of Bachelor of Arts is designed to give the student a general understanding of the major divisions of the curriculum and to provide for a considerable measure of concentration in some one department or field of study.

During the first two years of the course, general education is stressed. The student is required to elect courses in different divisions, with options which allow for differences in individual preparation and tastes. He is also expected to take such elementary or intermediate courses in his proposed field of concentration as will later make possible the successful completion of his major work. During the last two years the student is expected to devote the major portion of his time to the field or department in which he desires to specialize, although opportunity is provided for broadening by means of free elections in other departments.

INDIVIDUALIZED COURSES — In order to make the college course more flexible, and especially in order to give the student freedom to pursue a subject as rapidly as his ability permits, the faculty has approved the development of individualized courses in which the needs and interests of the students may be adequately served. These courses are announced by the different departments, with a statement regarding their nature and content and the amount of credit to be given, it being understood that the actual work may vary in individual cases and from year to year. Such courses are uniformly numbered 191-199.

CONCENTRATION—In order to provide for some degree of concentration in the college course, each student, near the end of the sophomore year, selects a major subject to which he intends to devote his particular attention. The student may do his major work in a certain department or in a field of study which embraces work in two or more related departments. If he does his major work in one
department he must complete at least twenty-four hours of work in that department with a grade of C or better in each course. If he chooses to do his major work in a field of study, he must complete at least forty hours of work in that field with a grade of C or better in each course. In either case the work must be distributed through at least four semesters.

Not more than forty hours of work in any one department may be counted toward graduation. If the student does his major work in a department, he must also complete two minors of twelve hours each, one of which must be in a department which is not in the same division as his major. If the student does his major work in a field of study, he must complete one minor of twelve hours in a department unrelated to his major work.

The choice of major or minor subjects may be changed later in the college course for good reason.

**REQUIREMENTS FOR THE BACHELOR’S DEGREE**

1. All candidates for the degree of Bachelor of Arts must complete satisfactorily 120 semester hours* of work with 120 quality points† (See page 68), including the following:
   a. Four hours of Composition 1, 2, and two hours of Speech 11, unless permission is given to substitute an equal amount of advanced work in composition or speech.
   b. One year’s work of at least eight hours in a laboratory science.
   c. One year’s work of at least six hours in one of the departments in Division IV (Social Sciences, see page 79) exclusive of Education. Economics 55, 56, may not be used to satisfy this requirement.
   d. One intermediate course in a modern foreign language of at least eight hours or the equivalent in high school work; and either one other year of at least six hours in foreign language, or six hours in English or speech in addition to requirement a above. In making recommendations for university graduate fellowships, preference will be given to those graduates of the College who possess a good reading knowledge of French and German.

   The above required work should be taken as early in the course as possible, and it must be completed before the beginning of the senior year.

   e. One year’s work of at least six hours in Division III (Humanities, see page 79) exclusive of courses in applied music, ensemble music, and studio art.

   Students majoring in science who are candidates for graduate scholarships or fellowships may, with the consent of their counselor, substitute for this requirement a third year’s work in French or German.

   f. A major of at least twenty-four and not more than forty hours in one department with standing C or better in each course extending over at least four semesters.* (See page 68.) Students entering from another college must complete at least two semesters’ work in their major at this College unless excused by the department.

   g. Two minors of at least twelve hours each, extending over at least four semesters. One of these minors must be in a department not closely related to that of the major.

   h. In lieu of f and g above, the student may with the approval and upon the advice of his counselor elect to complete a group major of at least forty hours and an unrelated minor of twelve hours.

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*A semester hour is defined as a subject of study pursued through one semester with one prepared class exercise a week. Two or three hours of laboratory work are equivalent to one prepared class exercise.
†These 120 quality points must be earned in not to exceed 135 semester hours.

*Majors are offered in art, biology, chemistry, economics, English or English literature, French, German, history, mathematics, music, philosophy, physical education, physics, psychology, political science, religion, sociology, Spanish, and speech.
A group major may be referred to as a functional major. The plan contemplates that the contributions from related departments will serve to give the student insight into the purpose and function of his particular field of interest in the total scheme of complex, dynamic society. Some clinical and laboratory contacts within the field of interest are encouraged.

2. All candidates for the Bachelor’s degree must show ability to use correct English. Those who fail to attain a reasonable standard of proficiency by the end of the sophomore year are required to take a non-credit remedial course.

3. Two years’ work in physical education is required. It is expected that this work will be completed during the first two years of the course.

4. All college fees and bills must be paid before the degree is conferred.

5. All candidates for the Bachelor’s degree are required to earn in residence at least thirty hours and thirty quality points, and to spend their senior year at this College.* Students who at the end of their last semester lack not more than nine hours of completing the requirements for the degree may, by special arrangement, be permitted to complete their requirements at a recognized summer school of collegiate rank.

6. All members of the graduating class are expected to attend the commencement exercises.

GRADUATE STUDY

Kalamazoo College offers work leading to the degree of Master of Arts or Master of Science to qualified students in certain fields of study. Graduate work is carried on only

in those fields in which adequate library and laboratory facilities are available. The Bureau of Municipal Research, the W. E. Upjohn Institute for Community Research, the Upjohn library and laboratories, and the Kalamazoo State Hospital provide special facilities for students desiring to do graduate work at the College in political science, economics and business administration, chemistry, or sociology. A student desiring to undertake graduate work should consult the head of the department in which he desires to study. Graduate students pay the same fees as undergraduates during the first year in residence. If further time is required to earn the degree, a reduced rate may be arranged.

requirements for the master’s degree

1. A candidate for the Master’s degree must be a graduate of the College or of another college in good standing, and must have a major of undergraduate work in the proposed field of study. In addition, the candidate must satisfy the Committee on Graduate Work that he has the necessary ability and background to do graduate work.

2. The candidate must complete at least one full year of resident graduate work of high quality.

3. The proposed course of study for the Master’s degree must be submitted to the Committee on Graduate Work for approval within the first two weeks of the college year.

4. A thesis or research report is required. The completed thesis must be approved by the department concerned not later than May 20th, and one bound copy must be presented to the college library before the degree is conferred.

5. The candidate must pass a satisfactory oral examination on his course of study. This examination is conducted by the major instructor and at least two qualified assistants.

*See page 141 for exception in Engineering course.
The Curriculum

The academic offerings of the College include four major divisions in addition to the Department of Physical Education, as follows:

I. LANGUAGES, LITERATURE, AND SPEECH
   English, French, German, Spanish, Speech.

II. NATURAL SCIENCES AND MATHEMATICS
   Biology, Chemistry, Physics, Mathematics.

III. HUMANITIES
   Art, Music, Philosophy, Religion.

IV. SOCIAL SCIENCES
   Economics, History, Political Science, Psychology, Sociology, Education.

As there is often a close relationship between departments of instruction in different divisions, the College permits work in certain courses to be credited to either of two divisions at the option of the student. It is also possible for a student to select a field of concentration which cuts across both departmental and divisional lines, the only requirement being that the field of study selected must have a definite element of unity.

Courses are numbered as follows: 1 to 50 for courses primarily for freshmen; 51 to 100 for courses primarily for sophomores; 101 to 174 for courses for juniors and seniors; 175 to 190 for seminar courses; 191 to 200 for individualized courses; and 201 and above for graduate courses. Odd-numbered courses are given in the first semester; even-numbered courses are given in the second semester.

Courses marked 1950-51 were not given in 1949-50, and those marked 1949-50 will be omitted in 1950-51.

The College reserves the right to withdraw any course for which the registration is considered insufficient.
The objectives of the Art Department are twofold: one, to cultivate an appreciation of the fine arts as part of the liberal arts ideal; two, to provide an adequate background for students majoring in art and desiring to continue their specialization in art at a higher institution or professional school of fine arts.

Introductory courses in art are given to develop interest and understanding of the visual arts through the study of the history and practice of art. After completion of the introductory courses, the student with more than a cultural interest in art may elect to take a planned sequence of study, majoring either in art history or the theory and practice of art, and leading to a Bachelor of Arts degree in art. Students will be given assistance in selecting the specialized fields of art for which their individual abilities best qualify.

**History of Art**

5. *Introduction to Study of Visual Arts.*

A course primarily designed to develop appreciation and understanding of architecture, sculpture, and painting by acquainting the student with the artist's vision, tools, materials; the nomenclature of the arts; the terminology of art criticism; and by analyzing works of art in terms of their structural and aesthetic content. A prerequisite to all other courses in art history. Three hours, first semester.


Material provided to highlight the historical as well as the cultural significance of the great art movements from antiquity to modern times. Three hours, second semester.

11. *Ancient Art.*

A study of architecture, sculpture, and painting from the earliest times to the Hellenistic period. Three hours, first semester.


A study of the arts of the Early Christian, Byzantine, Romanesque, and Gothic periods. Three hours, second semester.

**Theory and Practice of Art**

3. *Introduction to Practice of Art.*

A basic practice course in artistic expression which requires no previous experience in art. The objective is to encourage an understanding of the problems of drawing and painting by creative expression, and at the same time developing technical skill in the use of a variety of media—charcoal, chalk, watercolor, ink, tempera, and clay. A prerequisite to all other courses in the practice of art. Three hours, first semester.

4. *Practice of Art II.*

A continuation of the introductory course in practice of art, with a greater emphasis stressed upon composition and the formal elements of drawing and painting—form, line, color, texture, movement, etc. Study of art techniques and fundamentals through analysis and practice. Three hours, second semester.

13. *Basic Design.*

Study of form, line, color, and texture in three dimensional and flat pattern design in all the fields of fine art. Design as the basic factor in creative work. Students work with a variety of materials and technical methods including block printing, modeling in clay, batik, silk screen, etc. Three hours, first semester.

14. *Figure Drawing and Composition.*

Drawing from the human figure. Analysis of action, structure and proportion. Introduction to a variety of drawing media. Three hours, second semester.

**BIOLOGY**

*Professor Diebold, Miss Coolis,* *Miss Ferguson*

The general aim of most of the courses in biology is to give the student a cultural background for the appreciation of the contributions of science to modern life and the part it plays in contemporary thought. The specific aim is to offer a scientific training to those students with a major interest in biology and its applied branches. In order to lay a good foundation for scientific work it is wise to take with biology some courses in chemistry, physics, sociology, psychology, and philosophy. If possible, a reading knowledge of both French and German should also be obtained.

The pre-medical student should find out early in his course the prerequisites desired by his chosen medical school. Courses 3 and 4 meet the entrance requirements of most medical colleges as a minimum. Biology 105 and 109 are recommended by

* First semester, 1949-50.
† Second semester, 1949-50.
all medical colleges in addition, and 106 is recommended by all
and required by a few.

3, 4. General Biology.
Introduction to the study of plant and animal organisms, in­
cluding man. During the first semester special attention is given
to the interrelationships existing among the invertebrates. In
the second semester emphasis is on the vertebrates. Three lec­
tures, and laboratory two consecutive hours twice a week. Four
hours throughout the year.

8. Bird Study.
This is intended to be a practical course with the emphasis
upon identification and classification of our native birds; their
food and nesting habits. Occasional lectures, mainly field work.
No prerequisite, but election is subject to the approval of the
instructor. One hour, second semester.

55, 56. General Botany.
How plants live and reproduce, and the structures involved.
A comparative study is made of both the simpler and higher
plants with a view of their evolutionary relationships. Two lec­
tures, and laboratory two consecutive hours once a week. Three
hours throughout the year.

61, 62. Parasitism and Disease.
An introductory study of the biology, life histories, distribu­
tion, and control of the important parasites affecting man. Par­
asitic types of protozoans, the arthropods and the diseases they
cause or transmit, as well as the pathologies produced in the
body by the round and flat worms are considered. Emphasis is
given to the relationship of certain bacteria to disease and the
resistance of the host to bacterial invasion. Two hours through­
out the year.

105. Vertebrate Anatomy.
A comparative study of typical backboned animals for the
purpose of revealing the structure and physiology of the human
body. Lectures open to upper classmen for two hours' credit
by permission of instructor. Two lectures, and laboratory two
consecutive hours twice a week. Four hours, first semester.

106. Vertebrate Embryology.
A study of the development of the individual from the origin
of the germ cells to the adult condition. Lectures open to
upperclassmen for two hours' credit by permission of instructor.
Two lectures, and laboratory two consecutive hours twice a week.
Alternates with 115. 1950-51. Four hours, second semester.

A study of the modern conceptions of heredity and the in­
vestigations on which they are based. Eugenics and social prob­
lems receive special attention. Two hours, first semester.

112. Evolution.
A study of the evidences for organic evolution and of the
theories which have been offered to explain how it might have
occurred. Alternates with 114 and 118. Two hours, second
semester.

114. General Endocrinology.
The biology of hormones and the ductless glands. A study
is made of the structure, physiology, and interrelations of the
organs of internal secretion. Alternates with 112 and 118. 1949–
50. Two hours, second semester.

A study of the minute structure of animals. Training in the
preparation of materials. One lecture, and laboratory two con­
secutive hours twice a week. Alternates with 112, 1949-50. Three
hours, second semester.

117. Anthropology. (See Sociology 63.)

118. Comparative Neurology. (Psychology 118.)
A study of the anatomy and physiology of the central nerv­
ous system and sense organs. Dissection is made of representa­
tive vertebrate brains and of the special sensory structures. Pre­
requisite, Biology 3, 4 or Psychology 51. Two lectures, and lab­
oratory two consecutive hours once a week. Alternates with 112
and 114. 1948-49. Three hours, second semester.

175, 176. Biology Seminar.
A study of recent biological literature. One hour, each
semester.

191, 192. Special Courses
These are offered for advanced students in biology. In as­
signing the problems, the experience and purposes of the student
are considered. Such work as the following is assigned: special
readings; advanced cat anatomy; skeletal preparations; problems
in embryology; problems in genetics; ecological study; animal
and plant histology; plant morphology and classification; applied
bacteriology. Hours and credit to be arranged.

Particular attention of students interested in biology is call­
ed to the unusual opportunities offered by the Douglas Lake
Biological Station, maintained under the direction of the Uni­
versity of Michigan at Cheboygan, Michigan. Courses given there occupy eight weeks in the summer, beginning about the third week in June and ending the third week in August.

CHEMISTRY

PROFESSOR STOWE, ASSOCIATE PROFESSOR STRONG,
ASSISTANT PROFESSOR MYERS

Students majoring in the department with the intention of following a professional career in chemistry are advised to take courses 2, 51, 55, 56, 107, 109, 110. Seniors majoring in chemistry are urged to take either 191 or 192 for at least two hours credit particularly if they intend to study further in chemistry beyond college.

1. Introduction to Chemistry.

An introduction to the chemical study of matter with some attention given to the role of chemistry in contemporary affairs. Attention will also be given to some of the implications of science for society. Two lectures, one quiz section, and laboratory period of three consecutive hours. Four hours, first semester. This course does not count as credit toward a major in the department.

2. Fundamentals of Chemistry.

An introduction to atomic structure and the periodic classification of the elements, the properties of solutions, and chemical equilibrium. For those students intending to major in science and presenting satisfactory high school chemistry, this course may be taken without course 1. It is then to be followed by course 4. Three lectures and laboratory period of three consecutive hours. Four hours, first semester.

3. Inorganic Chemistry.

A study of inorganic chemistry in the light of the principles presented in course 2. Three lectures and laboratory period of three consecutive hours. Four hours, second semester.

51. Qualitative Analysis.

The lectures deal with the analytical reactions from the point of view of the laws of chemical equilibrium applied to solutions of electrolytes. The laboratory work makes use of semi-micro methods in the analysis of the more common positive ions and of a few negative ions. Prerequisite, course 2. Two lectures and two three-hour laboratory periods. Four hours, first semester.

54. Elementary Physical Chemistry.

A study of the application of physical measurements in the investigation of chemical phenomena. Prerequisite, course 2. Three lectures and a laboratory period of three consecutive hours. Four hours, second semester.

55, 56. Organic Chemistry.

A study of the principles of organic chemistry with some applications to subjects of special interest in this field, including proteins, carbohydrates, natural and synthetic textile fibers, dyes, and plastics. Prerequisite, course 2. Three lectures and one laboratory period of three consecutive hours. Four hours throughout the year.

107, 108. Quantitative Analysis.

Lectures, recitations, problems, and laboratory work, dealing with the gravimetric and volumetric analysis of inorganic compounds. Prerequisite, course 2. One lecture and two three-hour laboratory periods. Three hours throughout the year.

109, 110. Physical Chemistry.

Lectures, recitations, problems, and laboratory work; introducing the student to the principal chapters of modern chemical theory. A knowledge of organic chemistry is desirable. Prerequisite, Chemistry 2, 51; Physics 1, 2; Mathematics 51, 52. Three lectures and one laboratory period of three consecutive hours. Four hours throughout the year.

111. Organic Qualitative Analysis.

A systematic study of the characteristic qualitative reactions of organic substances, including the classification and identification of such compounds. Prerequisite, courses 51, 55, 56. Two lectures and two two-hour laboratory periods. Four hours, first semester.

112. Advanced Quantitative Analysis.

Laboratory work is offered in the analysis of water, sugar, fuel, and various types of organic compounds, as well as other analytical work of special content. Prerequisite, course 107, 108. Credit to be arranged.

113. Inorganic Preparations.

A one-semester laboratory course open to advanced students by permission of instructor. Credit to be arranged.

114. Advanced Organic Preparations.

A one-semester laboratory course open to advanced students by permission of instructor. Credit to be arranged.
115. Advanced Physical Chemistry.
Laboratory work in some special phase of this field is undertaken and pursued more intensively than is possible in course 109, 110. Credit to be arranged.

118. Glass Blowing.
Two hours, one semester.

121, 122. Industrial Laboratory Practice.
A special course given through the cooperation of The Upjohn Company of Kalamazoo and intended to afford a limited number of students of superior ability and adequate preparation an opportunity to obtain practical experience in an industrial chemical laboratory. The student spends one full semester and one summer vacation consecutively in a full-time laboratory position at The Upjohn Company. In addition to satisfying the requirements for holding the position, the student is required to submit to the Department of Chemistry a comprehensive written report on the work of the course at its conclusion as well as any progress reports requested by the department during the progress of the work. The course may be taken only by senior or junior students majoring in chemistry who have been selected by the department and who are acceptable to The Upjohn Company. Eight semester hours of credit.

125. Biochemistry.
A study of the application of physics and chemistry to the understanding of biological systems. The systems will be discussed in terms of their organic chemistry, osmotic equilibria, and hydrogen ion concentration and the properties of macromolecules. Prerequisite, courses 55, 56, and 54 or the permission of the instructor. Two hours of lecture and three hours of laboratory. Three hours, first semester.

175, 176. Chemistry Seminar.
An introduction to current chemical literature and research methods. Papers are presented upon assigned topics. Open only to advanced students majoring in chemistry. One hour of credit.

191, 192. Special Courses.
These courses are intended to give the student some opportunity to do research in the field of chemistry. In consultation with one of the members of the department, a project will be assigned for a semester's work in the laboratory and library. The student will be expected to complete a thesis by the end of the semester describing the results of his laboratory work together with a discussion of the problem in the light of his reading in the library and of his discussion with the staff member directing the work. Open only to seniors majoring in chemistry. Two hours credit except by special arrangement.

ECONOMICS AND BUSINESS ADMINISTRATION

PROFESSORS WENDELER, CAZELL; ASSOCIATE PROFESSOR COFFI; MESSRS. SMITH, TAYLOR, HAM.*

The courses offered in economics and business administration are designed to prepare students for professional economic activities and business; to provide background for other professions; and to provide general perspective concerning our economic environment as an aid to the intelligent exercise of citizenship. Students majoring in economics and business administration should enroll in course 51, 52, in the sophomore year. Students majoring in the department are also advised to include courses 55, 101, and 133, and 161, 162 in their plan of study.

51, 52. Principles of Economics.
An introductory course to give a comprehensive description of contemporary economic life and to precede more specialized study in the various subdivisions of economics. Scope and method of economics; forces determining prices; distribution of wealth and income; money and banking; taxation and government; international trade; industrial organization; labor; proposed economic changes. Prerequisite, sophomore standing. Three hours throughout the year.

55, 56. Principles of Accounting.
Fundamental principles of accounting; a study of business papers, journals, and ledgers; periodic adjustments and closing of the books; preparation and interpretation of financial statements; various refinements in accounting technique for a modern enterprise with a practice-set of problems. Prerequisite, sophomore standing. Three hours throughout the year.

101. Advanced Economic Analysis.
An introduction to the more complex spheres of economic analysis with special reference to problems of pricing, production income, and employment in modern economic society. Prerequisite, course 51, 52. Three hours, first semester.

104. Development of Economic Thought.
A study of the influence of the outstanding writers and schools of economic thought on the problems of production, value, distribution, economic organization and other spheres of modern economic theory. Mercantilism, the physiocrats, Adam Smith and the classical school, Karl Marx and the collectivists, the Austrian school and the more recent contributions to modern theory. 1949-50. Prerequisite, courses 51, 52. Three hours, second semester.

106. Marketing.
A survey of the entire field of marketing. The role of the consumer; the marketing problems of the producer; the channels and techniques of wholesaling and retailing; the general problems and policies of marketing in modern economic society. Prerequisite, course 51, 52. Three hours, second semester.

The course will deal first with the fundamentals of internal organization for efficient operation of an individual firm and then with such broader management problems as determining the production, price, and employment policies likely to maximize profits, stability, and community welfare. Prerequisite, course 51, 52. Three hours, first semester.

111. Money and Banking.
A survey of monetary and banking principles; history of money; theory of money and prices; development of commercial banking; bank operations; the place of banking in our economic structure; the Federal Reserve System and its credit policies. Prerequisite, course 51, 52. Three hours, first semester.

113. Labor Economics. (Political Science 113)
A study of labor problems, programs for labor security, wages and employment, labor organization, collective bargaining, and governmental relations. 1949-50. Prerequisite, course 51, 52. Three hours, first semester.

The financial problems of initiating and operating both small business and the modern corporation; types of financing; promotion, expansion, failure, reorganization and consolidation; administration of working capital; relations with investment bankers, with interpretations from the social and business viewpoints. Prerequisite, course 51, 52. Three hours, first semester.

An application of the principles of finance to buying a home, starting a business, buying insurance and investing in securities. Emphasis is placed upon the problems that individuals are expected to encounter later in life. Prerequisite, courses 51, 52, 115, or consent of the instructor. Three hours, second semester.

117. Economic Geography.
World population, resources, industries and markets, and the relation of the American economy to the world as a whole. Prerequisite, junior standing. Three hours, first semester.

118. Advanced Economic Geography.
Geographic foundations of industrial and commercial development; development possibilities of regional, state, and metropolitan areas; industrial location; area research, analysis and planning. Prerequisite, courses 51, 52, and 117. Three hours, second semester.

128. Economics of Public Finance. (Political Science 128)
Principles and practices of taxation and public finance and of the impact of fiscal policies on the economic system as a whole. 1950-51. Prerequisite, course 51, 52. Three hours, second semester.

133. Elementary Statistics. (Sociology 133)
This course aims to acquaint the student with the principles of statistics as a means of scientific study of economic and social data. Included are such topics as tabular and graphic presentation, sampling methods, averages, ratios, dispersion, time series, simple correlation, and collection of statistical data. Prerequisite, sophomore standing. Three hours, first semester.

134. Advanced Statistics.
Study of more advanced statistical techniques and their application to economic data. Index numbers. Methods of measuring skewness and kurtosis. Sampling errors; reliability of sample percentages, reliability of measures of dispersion, quality control. Analysis of variance. Fitted frequency curves, the chi-square test. Multiple correlation, adjustment of time series. Statistical techniques used in measurement of national income. Prerequisite, courses 51 and 133. Three hours, second semester.
156. Industrial Concentration, Social Control, and Economic Analysis.

Study of those sectors of the economy characterized by large scale organization; factors influencing size of enterprise; basis of competitive or monopolistic power; federations, trusts, holding companies, trade associations, patents, informal agreements. Significance of concentration for pricing, production, marketing, and social control. 1950-51. Prerequisite, courses 51, 52, and 101. Three hours, second semester.

157. Personnel Management. (Political Science 161.)

Personnel problems, policies, and procedures with emphasis on their relation to productivity and employment stabilization. 1950-51. Prerequisite, course 51, 52, or permission of instructor. Two hours, first semester.

158. Advanced Personnel Management. (Political Science 162.)

Continuation of problems considered in course 157, with emphasis on examination of the personnel programs of specific companies, and evaluation of their effectiveness in accomplishing basic objectives. 1950-51. Prerequisite, course 157. Two hours, second semester.

161, 162. The Theory of Enterprise and Economic Development.

Study of investment, employment, and the distribution of income under the modern enterprise system. Appraisal of the forces, policies, and institutions that facilitate or retard economic progress. Open to senior majors. Two hours throughout the year.


A study of the leading theories of business cycles and their relation to economic forecasting. Proposals for stabilizing enterprise, investment production and employment. 1950-51. Open to senior majors. Two hours throughout the year.


Graduate students and a limited number of qualified senior majors may, after consultation with and approval of the Head of the Department, register for individualized research in any one of the subdivisions indicated below. The opportunity for research in economics and business at the college is greatly facilitated by the department's close association with the local business community. The work in each subdivision normally carries two hours credit per semester throughout the year. Students may repeat the course by registering for different subdivisions in successive years but may not be registered for more than one subdivision at a time. Subdivisions: A. Industry Research; B. Marketing and Price Research; C. Regional and Area Research; D. Business Finance Research; E. Business Organization Research; F. Labor and Employment Research; G. Business Cycle Research; H. Monetary and Banking Research; I. Public Finance Research.

191, 192. Individualized Courses in Economics and Business Administration.

Graduates and qualified senior majors may arrange with the Head of the Department for individual study of advanced topics of special significance to their course of study.

EDUCATION

Assistant Professor Warner

Most of the courses in the Department of Education are designed as liberal cultural courses and, unless otherwise indicated, are open to all students whether or not they expect to teach. The work in education aims to familiarize students with the school as a social institution, to present present trends and issues in education, and to assist students in understanding those aspects of human growth and development closely related to the educative process.

Every state requires a certificate of those who teach in its public schools. Kalamazoo College is authorized by the State of Michigan to offer work leading to the Provisional Certificate, which allows the holder to teach in Michigan for a period of five years in the subjects and at the level indicated on the certificate. The State requirements for the Secondary Provisional Certificate include one academic major of at least twenty-four semester hours and two academic minors of fifteen semester hours each, in subjects that are taught in the high school (grades 7-12). The twenty hours in education required by the State are met by courses 56, 111, or 115, 120, 114, 131, and either 117 or 119.

Requirements for the Elementary Provisional Certificate include one academic major and two academic minors, or four academic minors, of which the equivalent of two minors must be in subjects taught in the elementary school. Through an experimental plan, courses required for this certificate which are not offered at Kalamazoo College may be taken at Western Michigan College of Education when the program is planned and approved by the Kalamazoo College Department of Education. Such courses include at the present time Psychology of Reading and a twelve hour block of work which includes Educational Laboratory (four hours) and Directed Teaching (eight hours).
Education courses to be taken at Kalamazoo College include 56, 111, 114, and 120. Those to be taken at Western are 121 and 125.

During the senior year, all candidates for a teacher's certificate are expected to pass a comprehensive examination in education.

56. Educational Psychology. (Psychology 56.)
A study of the psychological principles related to learning and to the growth, development, and adjustment of the learner. Required for teacher certification. Prerequisite, as many honor points as credits. Three hours, second semester.

111. Introduction to Education.
A broad general introduction to the field of education and its various branches of service. Aims to acquaint students with the scope and opportunities in the field of education. Examines the American school in our democratic society in relation to students, staff, community, and various social agencies. Visitation, readings, and discussion. Open to freshmen and those who may not desire to teach as well as to those working for the certificate. Alternates with Education 115. 1950-51. Three hours, first semester.

120. Principles of Teaching.
A study of various types and techniques of teaching and learning. Each student examines materials in his teaching fields as a basis for planning, organizing, presenting, and evaluating content and method. School visitations are made. Students are encouraged to participate in community activities designed for the welfare of children and youth. Prerequisite, course 56 and as many honor points as hours of credit. Four hours, either semester. Required of candidates for the certificate.

114. History and Problems of Education.
To meet the interests and needs of those not planning to teach as well as of those working towards certification. A consideration of educational theories and practices showing the relationship between education and social, economic, political, and religious movements of their times in Europe and America. Present day leaders, movements, and problems are emphasized. Each student works on a problem of interest to him. Seniors. Others by permission of the instructor. Three hours, second semester.

115. Secondary Education.
Designed as a general course for all students interested in education whether or not they intend to teach. Examines the aims and functions of the secondary school in modern education.
activities. Conferences are held with the co-directing teacher. A seminar is held each Tuesday from four to six o'clock with the Director of Practice. Students are urged to carry a light academic and social program during the semester in which they elect this course. Five hours credit. Required for certification.

133. Directed Teaching in the Elementary School.
Five hours. Not offered 1950-51.

191, 192. Special Courses.
These are designed to meet the needs of seniors who expect to teach. Hours and credits to be arranged.
Special methods courses are listed in the various departments in which they are given. They may be credited in Education if the student so desires.

ENGLISH

PROFESSOR MULDER, ASSISTANT PROFESSORS BROWN AND WARING, MR. NELSON*

A major in English literature consists of courses 51, 52, 103, 104, 105, 106, and at least six more hours in literature.
A major in English consists of Composition 103, 104, 105, 106, and at least twelve hours in literature.

I. Literature

Course 51, 52 is prerequisite for all other courses in English literature.

51, 52. Introduction to Literature.
An examination of the literature of England from earliest times to the present, introducing the student to the great British writers in their life-settings, and to the major types of literature, such as the epic, the drama, the novel, the lyric, etc. Three hours throughout the year.

A brief review of the Romantic Movement in the eighteenth century is followed by intensive study of Wordsworth, Coleridge, Byron, Keats, and Shelley. Attention is given to prefaces, letters, and later biographies of the authors selected. 1949-50. Three hours, first semester.

* Second semester, 1949-50.

102. Literature of the Age of Milton.
The poetry and prose of the period from the end of the Elizabethan age to the Restoration, with the main emphasis on the poetry of Milton. 1949-50. Three hours, second semester.

103, 104. Elizabethan Drama.
First semester, representative pre-Shakespearean and earlier Shakespearean dramas. Second semester, the maturer dramas of Shakespeare and of his more important contemporaries and immediate successors. Required of all English literature majors. 1950-51. Three hours throughout the year.

105. American Literature: First Period.

A continuation of course 105, which is a prerequisite. Required of all English literature majors. Alternates with 112. 1949-50. Three hours, second semester.

First semester, the poetry of Landor, Mrs. Browning, Tennyson, with major emphasis upon Tennyson. Second semester, the poetry of Arnold, Browning, Swinburne, with major emphasis upon Browning. Alternates with 113, 114. 1949-50. Three hours throughout the year.

111. The Development of the English Novel.
A survey of the development of the English novel as a distinct literary form from John Bunyan to Thomas Hardy. Alternates with 105. 1950-51. Three hours, first semester.

112. The Contemporary Novel.
An examination of the novel as a changing art form during the past fifty years. Representative novels are read that reflect the life of our time. 1950-51. Alternates with 106. Three hours, second semester.

113, 114. Modern Drama.
A study of the outstanding dramas of Europe and America from Ibsen to the present time, with major emphasis upon Ibsen, Shaw, and O'Neill. 1950-51. Alternates with 107, 108. Three hours throughout the year.

119, 120. Modern Poetry.
An intensive study, both literary and technical, of the crea-
tive efforts of the more prominent poets of England and America since 1890. 1950-51. Three hours throughout the year.

121. Eighteenth Century Literature.
A period study relating the literature to main currents of eighteenth century thought, social changes, and political events. Selections from British poets and prose writers from Pepys to Boswell, and from Dryden to Blake. 1950-51. Three hours, first semester.

122. Nineteenth Century Prose.
A study of the more significant prose, exclusive of fiction, of the nineteenth century. The works are studied of such writers as Coleridge, Lamb, De Quincey, Macaulay, Carlyle, Newman, Ruskin, Arnold, Huxley, Stevenson. 1950-51. Three hours, second semester.

191, 192. Individualized Courses in Literature.
Suited to the needs of advanced students in the department.

II. Composition

Course 1, 2 is required of all first year students and does not count toward a major or a minor.

01, 02. Remedial English.
A comprehensive review of the principles of grammar and composition, with special emphasis on vocabulary building. All students adjudged deficient in English are required to take this course. Two hours throughout the year, to be arranged. No academic credit.

1, 2. Freshman Composition.
First semester, a study of the fundamentals of written composition. Second semester, a comprehensive study, theoretical and practical, of the four forms of prose discourse, with major attention to exposition; weekly written themes, and bi-weekly conferences. Two hours throughout the year.

103. News and Editorial Writing.
The function of the newspaper; a detailed analysis of what actually constitutes "news"; newspaper organization and routine, "make-up," etc., practice in writing news stories and editorials. 1949-50. Three hours, first semester.

104. Magazine Article Writing.
An analytic and synthetic study of the magazine article; practice in this type of writing. 1949-50. Three hours, second semester.

105. Creative Expository Writing.
A systematic effort to awaken in the student a desire for creative writing and to aid him in the discovery and development of his aptitude therefor. In such effort the familiar essay, the descriptive sketch, and kindred forms are examined and practiced. Three hours, first semester.

106. The Short Story.
An intensive study, analytical and creative, of the simpler forms of narrative; the short story. 1950-51. Three hours, second semester.

191, 192. Individualized Courses in Writing.
Suited to the needs of advanced students in the department.

FOREIGN LANGUAGES

PROFESSOR OLMSTED, PROFESSOR DUNSMORE, ASSOCIATE PROFESSOR EARL, ASSISTANT PROFESSOR BONNIN, ASSISTANT PROFESSOR MILLS,
MISS WATSON, MRS. MCCREARY.

Entering students with previous training in a foreign language are enrolled in courses 1, 2, 3, 4, or a course following course 4, of that language, on the basis of placement tests administered by the department. (In a foreign language, one high school year theoretically approximates one college semester.) Entering students with no previous training in a foreign language who, by decision of the Department, do not pass satisfactorily the English Language Test are required to complete Remedial English, or similar work, before enrolling in course 1 of a foreign language.

Students majoring in the department are urged to study more than one foreign language. A major in a foreign language consists of: courses 3, 4, or equivalent, courses 51, 52, courses 53, 54, and at least six more hours of advanced work in that language. Courses 51, 52 of a foreign language are required of all who expect to be recommended for a teaching position in that language.

A regular minor in a foreign language consists of: courses 3, 4, or equivalent, plus a minimum of four hours of advanced work in that language. A two language minor, known as Combined Foreign Language Minor, consists of: courses 3, 4, or equivalent, in each of two foreign languages (or, as alternative: courses 3, 4 in one and 1, 2 in another foreign language, plus acceptable credit received for two high school years or one college year of a language not offered at Kalamazoo College).
FRENCH

1, 2. Elementary French.

Grammar review. Written and oral practice. Intensive and extensive reading. Prerequisite, course 2 or equivalent. Four hours, each semester.

51, 52. French Composition and Conversation.
Practice in written and oral composition, comprehenison and expression. Conversational practice. Reports, essays, discussions. Prerequisite, course 4 or equivalent. Two hours, either semester or both.

General reading course. Modern novels, short stories, plays, poems, or other works are read and interpreted as an introduction to literary forms. Outline history of thought and major movements in French literature. Prerequisite, course 4 or equivalent. Two hours, each semester.

GERMAN

1, 2. Elementary German.

3, 4. Intermediate German.
Grammar review. Written and oral practice. Intensive and extensive reading. Prerequisite, course 2 or equivalent. Four hours, each semester.

51, 52. German Composition and Conversation.
Practice in written and oral composition, comprehension and expression. Conversational practice. Reports, essays, discussions. Prerequisite, course 4 or equivalent. Two hours, each semester.

53, 54. Modern German Readings.
General reading course. Modern novels, short stories, plays, poems, or other works are read and interpreted as an introduction to literary forms. Outline history of thought and major movements in German literature. Prerequisite, course 4 or equivalent. Three hours, each semester.

97, 98. Scientific German.
Intensive reading and translation of selected German texts on the natural sciences, including medicine. Emphasis is placed on constructions and modes of expression usually employed in German scientific writings. Prerequisite, course 4 or equivalent. Two hours, each semester.

101. German Novel
Study of the development of the novel in Germany. Lectures and discussions. Representative novels are read. Class texts and outside readings with reports. Prerequisite, courses 53, 54. 1951-52. Three hours, first semester.

104. German Drama
Study of the development of the drama in Germany. Lectures and discussions. Representative plays are read. Class texts and outside readings with reports. Prerequisite, courses 53, 54. 1951-52. Three hours, second semester.

191, 192. Individualized Courses in German.
Offered to seniors and advanced students as need arises.

195, 196. Individualized Courses in Dutch.
Offered to those students who possess some knowledge of Dutch. Prerequisite, permission of the department. One to four hours, either semester or both.

SPANISH

1, 2. Elementary Spanish.

3, 4. Intermediate Spanish.
Grammar review. Written and oral practice. Intensive and
extensive reading. Prerequisite, course 2 or equivalent. Four hours, each semester.

51, 52. Spanish Composition and Conversation.
Practice in written and oral composition, comprehension and expression. Conversational practice. Reports, essays, discussions. Prerequisite, course 4 or equivalent. Two hours, either semester or both.

General reading course. Modern novels, short stories, plays, poems, or other works are read and interpreted as an introduction to literary forms. Outline history of thought and major movements in Spanish literature. Prerequisite, course 4 or equivalent. Three hours, either semester or both.

90. Spanish Commercial Correspondence.
Study of epistolary forms. Reading and composing of modern business letters. Selected class texts. Prerequisite, course 4 or equivalent. Two hours, one semester.

Study of the development of the novel in Spain. Lectures and discussions. Representative novels are read. Class texts and outside readings with reports. Prerequisite, courses 53, 54. 1951-52. Three hours, first semester.

104. Spanish Drama.
Study of the development of the drama in Spain. Lectures and discussions. Representative plays are read. Class texts and outside readings with reports. Prerequisite, courses 53, 54. 1951-52. Three hours, second semester.

111, 112. Spanish American Literature.
Study of the development of literature in Spanish America. Lectures and discussions. Representative works are read. Class texts and outside readings with reports. Prerequisite, courses 53, 54. 1950-51. Three hours, either semester or both.

170. Advanced Spanish Grammar.
Oral and written practice in modern idiomatic Spanish. Review of important grammatical principles, with stress on diction and syntax. Selected class texts. Prerequisite, courses 51, 52, or 53, 54, or special permission of the teacher. Three hours, one semester.

191, 192. Individualized Courses in Spanish.
Offered to seniors and advanced students as need arises.
114. World War II and After.
A continuation of 113, covering the period from 1939 to the present, with an intensive study of the United Nations organization and the making of the peace treaties. 1950-51. Hours and conditions of admission same as for 113.

121, 122. Economic and Social History of the United States.
A consideration of such social movements as the settlement of the West, industrialization, the rise of transportation networks, the demand for the reform and regulation of existent business, woman's rights, and prohibition. Open to juniors and seniors who have had History 55, 56. 1950-51. Three hours throughout the year.

123. History of American Foreign Policy.
A study of the diplomatic relations between the United States and the European nations, the other American countries, and the Far East, from the Revolution down to the present time. Open to juniors and seniors who have had History 55, 56, and to others by permission. 1951-52. Three hours, first semester.

124. Latin America.
A consideration of the political, economic, and cultural problems of the Latin American nations from 1492 to the present time. Open to juniors and seniors. 1951-52. Three hours, second semester.

125. Russia.
The institutions and history of Czarist Russia and of the Union of Soviet Socialist Republics. 1951-52. Three hours, first semester.

126. The Far East.
The institutions of imperial China and of Japan under the Shogunate, the coming of western imperialism, and the troubled history of eastern Asia since then. 1951-52. Three hours, second semester.

175. Seminar — Introduction to Historical Method.
A course dealing with methods of historical research. These methods are worked out in connection with a concrete problem selected, usually by the student himself, in some field of history; the results are embodied in a paper. Lectures are also given on the history of historical writing. For advanced students. Required of all history majors. Three hours, first semester.

191, 192. Special Problems in Modern European History.
This course is designed for those who are especially interested and competent in historical studies. Each student is free to choose a project in any period of history and to work it out without conventional restrictions. It is intended to provide an opportunity for individual adventure in the field of history. Regular conferences and extensive reading are required. For juniors and seniors only.

193, 194. Individualized Courses in American History
Special reading in a selected field of American history, under the conditions described for History 191, 192.

MATHEMATICS

PROFESSOR WALTON, MR. NELSON.*

Course 1, 2 prepares students for the more advanced courses in mathematics as well as for those professional and technical courses requiring one year of college mathematics. Students desiring to major in mathematics must complete courses 1, 2, 51, 52, and at least two courses from those listed beyond number 100. At least two such courses are given each year. A minor must include courses 1, 2, 51, 52.

1, 2. Freshman Mathematics.
An introduction to the study of college mathematics, including trigonometry, college algebra, plane analytic geometry. Four hours, each semester. (Students who have not had high school trigonometry are required to attend class one extra hour per week without credit.)

The use of instruments; correct drafting-room practice in conventional representation; the principles of orthographic and auxiliary projection; practice in making working drawings; practice in lettering; drill on geometric constructions; sections and conventions; practice in tracing; original drawing on tracing papers; reading and checking of drawings. Three two-hour drafting-room periods, three hours homework a week. Three hours, first semester.

22. Descriptive Geometry.
This course is designed to enable the student to solve the basic geometrical problems of engineering. At the same time the subject covers the principles of engineering descriptions of engineer.

* Second semester, 1949-50.
ing projects. Three two-hour drafting-room periods, three hours homework a week. Prerequisite, course 21, or permission of the instructor. Three hours, second semester.

51, 52. Calculus.
This course completes the study of the elements of plane and solid analytic geometry as well as the differential and integral calculus. Many applications of the calculus to geometry and mechanics are used. Prerequisite, course 1, 2 or equivalent. Five hours, each semester.


110. Advanced Plane Geometry.
This course deals with the geometry of the triangle and circle based upon the elementary plane geometry of Euclid. 1950-51. Three hours, second semester.

111. Differential Equations.
Prerequisite, course 52. 1950-51. Three hours, first semester.

112. Advanced Mathematics.
This course is designed primarily for advanced science students and consists, first, of probability and curve fittings by means of least squares, and second, of a brief study of the properties of determinants and matrices, and the theory of transformations. Prerequisite, course 52. 1950-51. Three hours, second semester.

113. Theoretical Mechanics. (See Physics 119.)

This course includes a thorough review of the principles of elementary calculus together with theorems from definite integrals, elliptic integrals, Fourier's series, theory of limits, and theory of functions. 1951-52. Prerequisite, course 52. Three hours, each semester.

191, 192. Individualized Courses.
Offered to advanced students as need arises.

The College maintains an Institute of Musical Art, offering instruction in the principal music fields to both college and non-college students.

Courses for Non-college Students
Courses for persons not enrolled as regular college students are outlined in a special bulletin, which will be sent to anyone interested, upon application.

Courses for College Students
The information immediately following applies to all persons duly matriculated as college students:

Four-year courses are offered in both applied and theoretical music. Students may elect music as a major or minor towards the degree of Bachelor of Arts; or they may elect a limited number of hours to improve their understanding and appreciation of music as part of a liberal arts education.

MAJOR IN MUSIC. A major in music may be elected in one of three fields: (1) a major in Applied Music; (2) a major in Music Literature; (3) a major in Church Music.

A total of 40 hours of music is required for a music major, of which twenty-four must be in theory, and sixteen in applied music. Six hours of vocal or instrumental ensemble work is required of all majors, with credit applying only beyond the 120 hours required for graduation. A total of 80 hours in non-music subjects is required for the B.A. degree.

Students electing a major are permitted to postpone either the science or the language course usually required in the freshman year to the sophomore year.

MINOR IN MUSIC. A minor in music requires eight hours of applied music, four hours of ensemble, and eight hours of theory.
### Major in Applied Music

**Freshman Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Applied Music*</td>
<td>4</td>
</tr>
<tr>
<td>Theory (Mus. 3,4)</td>
<td>8</td>
</tr>
<tr>
<td>Ensemble</td>
<td>6</td>
</tr>
<tr>
<td>Composition</td>
<td>8</td>
</tr>
<tr>
<td>Language† or Science</td>
<td>6</td>
</tr>
<tr>
<td>Electives‡</td>
<td>6</td>
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<tr>
<td>PE</td>
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**Sophomore Year**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Applied Music*</td>
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</tr>
<tr>
<td>Theory (Mus. 103,104)</td>
<td>8</td>
</tr>
<tr>
<td>(or Mus. 25, 26)</td>
<td></td>
</tr>
<tr>
<td>Ensemble</td>
<td></td>
</tr>
<tr>
<td>Science or Language</td>
<td>8</td>
</tr>
<tr>
<td>Electives‡</td>
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**Junior Year**

<table>
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<tbody>
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<td>Applied Music*</td>
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</tr>
<tr>
<td>Form and Composition</td>
<td>4</td>
</tr>
<tr>
<td>(Mus. 117,118)</td>
<td></td>
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<tr>
<td>Ensemble</td>
<td>8</td>
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<tr>
<td>Electives‡</td>
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**Senior Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Applied Music*</td>
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<tr>
<td>History of Music</td>
<td>4</td>
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<tr>
<td>(Mus. 115,116)</td>
<td></td>
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<tr>
<td>Electives‡</td>
<td>22</td>
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<tr>
<td>PE</td>
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</table>

### MAJOR IN MUSIC LITERATURE

The course requirements are the same as outlined for the major in applied music, with two exceptions: The applied music courses may be in two fields, to be determined in consultation with the head of the department; special assignments will be given in connection with the applied music courses, and also Music 117 and 118, to cover a wide field of representative music literature.

### MAJOR IN CHURCH MUSIC

A course designed for students interested particularly in the organ and choral music. The course requirements remain the same as for an applied music major except that the total of sixteen hours in applied music must be in organ. Music 43, 44, and Music 131, 132 must be substituted for Music 117, 118. A minor in religion is required, consisting of six hours from the offerings in Biblical literature, and six hours from Divisions II or III.

### PROVISIONAL TEACHING CERTIFICATE

Students interested in preparing themselves to teach music in the high school, may qualify for the provisional teaching certificate by electing a major in music, in addition to the required courses in education as outlined on page 91. They are also required to complete Music 111 and 112. Further information will be found on page 149.

### A. Theoretical Courses

1, 2. *Introduction to Music Literature.*

A general survey of the field of music literature, including analysis of the structural elements and aesthetic content of significant compositions of various forms and styles. Phonograph recordings and music scores are used as an aid in the development of an adequate listening technique. This is a cultural course for all students, and no previous musical training is necessary. Two hours throughout the year.

3, 4. *Composite Theory — First year.*

An integrated course, correlating the several approaches to the theoretical basis of music. Prerequisite, a knowledge of the rudiments of music and familiarity with the piano keyboard. Four hours throughout the year. The course is subdivided as follows:

- **EAR-TRAINING AND SIGHT-SINGING.** Orientation in fundamentals. Progressive exercises in solfeggio, melodic and harmonic dictation, and rhythm drills. Keyboard correlation; the playing of all major and minor scales at the piano. Two hours per week.

- **ELEMENTARY HARMONY.** Developing a practical vocabulary of triads and seventh chords through the harmonizing of melodies and basses, assigned and original. Two hours per week.

Music 21, 22 — *Elementary Piano.*

This course is open to all students and requires no previous musical training — strictly a beginner's course. Does not count for major or minor in music.

Music 23, 24 — *Functional Piano.*

A course for any students who have had some study but may not desire nor meet requirements for private lessons. The work is planned according to the needs of the individual, whether it be playing for group singing or merely playing for one's own pleasure. Duets and ensemble arrangements are used and practical points in reading and musicianship are brought forward. Does not count for major or minor in music.
Music 25, 26 — A Survey of Vocal Literature.

A critical and extensive survey of the choral and solo vocal literature from plainsong to contemporary works. This includes sacred and secular works, the art song, cantatas and choral works of varied description, and representative operas. May be substituted for advanced theory by voice majors.

103, 104. Composite Theory — Second year.

A continuation of the first year’s work, which is a prerequisite. Four hours throughout the year. The course is subdivided as follows:

ADVANCED EAR-TRAINING AND SIGHT-SINGING. Solfege and dictation exercises involving the use of modulations, chromatic progressions, and simple countermelody. One hour per week.

ADVANCED HARMONY AND ELEMENTARY COUNTERMELODY. The use of altered and chromatic chords. Modulation and transposition. Introduction to elementary strict counterpoint in the five species. Creative work is stressed. Two hours per week.

KEYBOARD HARMONY. Practical keyboard application of the fundamentals of harmony and the harmonizing of melodies. Progressive exercises in transposition, modulation, and improvisation. One hour per week.


An intensive approach to the psychological and educational principles of music education in the senior high school. The study of conducting, objectives, selection and organization of materials, and methods of teaching. In the first semester choral ensembles, methods, and materials are studied. In the second semester emphasis is placed on instrumental ensembles, methods, and materials including a study of band and orchestra instruments and their techniques. Prerequisite, Music 3, 4. Two hours throughout the year.


The study of the development of music from the Greek period to modern times, and its relation to significant world movements. The cultural approach is combined with the historical through the use of illustrative material. Prerequisite, Music 103, 104. 1949-50. Two hours throughout the year.

117, 118. Form and Analysis.

Analysis of instrumental and vocal forms. The motive and its development. The dance forms, rondo-forms, and theme with variations; the art song and the part song, symphonies, oratorios, and chamber music. Prerequisite, Music 103, 104. Two hours throughout the year. 1950-51.

120. Piano Teaching Methods.

A course in methods and materials for the teaching of children from pre-kindergarten to high school age. Principles of laying a technical foundation; discussion of psychological problems. Methods for the older beginner. Observation of lessons and practice teaching under direct supervision at the College Institute of Musical Art. Open to music majors who can qualify on the basis of proficiency and personality. Students who successfully complete this course will be eligible to qualify as instructors of children at the Institute. Two hours, second semester; one hour credit.

130. Choral Conducting.

The technique of the baton. Principles of conducting as applied to the interpretation of significant examples of choral literature from the very simple to the complex. Practical musicianship. One hour, second semester.

131, 132. History and Literature of Church Music.

A survey of the history and literature of the music of the Christian church from medieval times to the present era. Analysis of the liturgical and non-liturgical music and hymnody of the Roman, Anglican and Protestant denominations. Instrumental music in the church. Illustrated with recordings and class performance. Prerequisite, Music 3, 4. 1949-50. Two hours throughout the year.

B. Applied Music

Individualized courses of one, two, three, or four years are offered in voice, piano, organ, violin, violoncello, flute, clarinet, French horn, and trombone. Any qualified student may elect a year’s work in any branch of applied music without enrolling in a theory or ensemble course. Further work in applied music, however, requires the election of a minor or major in music.

Payment of the academic fees for the semester entitles the student to one private and one class lesson per week in his chosen course, and the use of a practice room with piano, or of the organ, six hours a week—all without extra cost. Instruction books, sheet music, and study materials are extra and will entail an expense averaging from $5 to $10 each semester.
Entrance Requirements

All new students are required, before being accepted for enrollment, to pass an individual examination in music fundamentals and in instrumental performance or singing.

Students are urged to make adequate preparation for these entrance tests by careful practice and review work over a period of several months beforehand.

Students who have had no previous training in theory, should study one of the following texts, preferably under the guidance of an instructor: Haddon and Walters — “Student's Workbook of Music Theory” (C. C. Birchard); Robinson — “Music Fundamentals” (Hall and McCreary); Rohner and Howerton — “Fundamentals of Music Theory” (Gamble Hinged Music Co.).

PIANO AND ORGAN STUDENTS must be prepared to play (on the piano) any of the major and minor scales and arpeggios, two octaves, hands together, two notes to a metronome beat of 60 or faster; one of the Bach two-part inventions; a movement from one of the Hayden or Mozart sonatas, or a selection of equal difficulty; a hymn-tune, read at sight.

STUDENTS OF VIOLIN, CELLO, WOODWINDS OR BRASSES must be prepared to play (on their own instruments) any of the major or minor scales and arpeggios; a simple piece, selected by the student; a simple etude, selected by the instructor, played at sight. True intonation is important.

VOICE STUDENTS must be prepared to sing a song of their own selection; sing a simple piece selected by the instructor; play an assigned melody (single line of tone) on the piano.

In certain cases, talented students with inadequate preparation may be accepted conditionally by the examiners, with the provision that additional practicing will be done to remove such conditions before the end of the semester.

Students who have not had sufficient training to pass the entrance tests, but desire to study an instrument or voice, may enroll in the elementary or college preparatory classes in the Institute of Musical Art at a nominal tuition charge, without college credit. A descriptive bulletin, giving further details, will be sent upon request.

Course Requirements

Students accepted for enrollment are required to devote a minimum of six hours per week to practice. A minimum assign-
The aim of the course is the development of a high order of skills in the playing of church services, accompaniments, and recitals. Throughout the course, rhythmic independence and clarity in performance are emphasized, as applied to a repertoire of select works, representative of the best in organ literature from pre-Bach to the modern schools. Practical playing for chapel services. Organ-piano duos. Appearances in chapel musicales and recitals.

Piano

Mr. Boyd, Miss Clark


Violin

Simple, intermediate, and advanced etudes and scale studies; compositions for the development of tone production and phrasing; sonatas and concertos. Orchestral and ensemble work. Appearances in chapel musicales and recitals.

Voice

Mrs. Overley

Correct physical and mental poise; principles of breathing and breath control; fundamentals of tone production. Progressive vocalises: Concone, Marchesi, Vaccai and other studies. A comprehensive repertoire of secular and sacred songs from the simple to the most advanced art forms. Oratorio and operatic arias. English, Italian, French and German diction. Appearances in chapel musicales and recitals. Advanced students may qualify as members of the Bach Festival chorus.

C. Ensemble Groups

The College maintains three major ensemble groups, the College Singers, the College Band, and the Chamber Music Ensemble. Each group rehearses twice a week for one and one-half hour periods. A credit of one semester hour is given for each of these courses, conditioned on satisfactory work for two consecutive semesters. Not more than one hour ensemble credit can be earned in any one semester, and not more than a total of six hours may be counted towards graduation.

Music majors are required to elect six semester hours of ensemble work, none of which may be counted towards the 120 hours required for graduation. Violin and cello students will elect the Chamber Music Ensemble; voice students, the College Singers; and piano and organ students, any of the three major ensembles.

The College Singers (Academic credits only)

15-1, 16-1. First Year. 15-3, 16-3. Third Year.
15-2, 16-2. Second Year. 15-4, 16-4. Fourth Year.

Class voice culture; preparation and performance of sacred and secular compositions for mixed, men's and women's voices; music for chapel services; Christmas carol festival; a major oratorio; and the May Fete pageant.

The College Band (May also be elected as an activity)

17-1, 18-1. First Year. 17-3, 18-3. Third Year.
17-2, 18-2. Second Year. 17-4, 18-4. Fourth Year.

Study of overtures, suites, and other selections; marching drills in the fall; local and out-of-town concerts, as conditions permit.

Chamber Music Ensemble (May also be elected as an activity)


Study of classic and contemporary literature for string trio, quartet, or quintet; or string and woodwind ensembles.

Smaller Ensembles. Talented students may qualify by tryout for membership in The Madrigal Singers, The Men's Quartet, The Women's Trio, and The Mixed Quartet. The make-up of these smaller groups is determined by the talent available.

Activity credit is offered for participation in any of these groups.
PHILOSOPHY

Professor Hemmes

51. Great Philosophers and their Philosophies.
The course consists of a study of Plato's philosophy both from the point of view of the philosophical problems significant for us today, and from the point of view of its historical setting. The Republic will be read and selections from other dialogues. Three hours, first semester.

52. Great Philosophers and their Philosophies.
The course is a study of the philosophies of Descartes, Berkeley, Leibniz and Kant. The writings studied are the Discourse on Method by Descartes, the Dialogues between Hylos and Philonous by Berkeley, the Monadology by Leibniz and the Prolegomena to Any Future Metaphysics by Kant. The views of these men will be considered in reference to their contemporary significance. Pre-requisite, course I. Three hours, second semester.

53. Reflective Thinking.
The course deals with a study of the principles of valid thinking, the relation of perception and thought, the problems of explanation and interpretation, the meaning of intuition as compared with reflective thought, the nature of science and the methods of the physical, biological and social sciences, the emotional, imaginative and volitional factors in knowledge. The purpose of the course is to get practical experience in learning to think, to get an appreciation of the interrelationship of the different fields of study and to lay a foundation for further work in philosophy. Three hours, second semester.

A systematic study of man in his relation to the cosmos, the values of culture, the total world process, in order to give the student an opportunity to formulate a philosophy of life in his contemporary environment. The contrasts of the philosophies of naturalism, humanism, idealism and theism will be carefully worked out. Three hours, first semester.

101. Social and Political Philosophy.
This course is a study of the nature of social relations, the family, the economic structure, the state, the law. The modern conflict of the ideals of liberalism, nationalism, communism will be examined. 1950-51. Three hours, first semester.

103. The Philosophy of Human Values.
The course deals with the value of the individual, of the social relations of life, of institutional control. The values of pleasure, self-development, efficiency, cooperation are examined. Included in the study are also the value of the family, of the economic structure of the state, of the church, and of art. 1951-52. Three hours, first semester.

104. The Psychology of Beauty and Art.
A study of the psychological principles underlying the creation and application of beauty and art. The problem of artistic genius is examined and its relation to other forms of activity. The psychological aspects of humor, the tragic, the pathetic, the sublime are analyzed. The arts, music, architecture, sculpture, painting, literature are studied from the point of view of the psychological meaning of form and content. The aesthetic aspect of human behavior is evaluated. Credit for this course can be had either in psychology or philosophy and is optional with the student. 1951-52. Three hours, second semester.

106. American Philosophy.
A study of American philosophy from the middle of the nineteenth century to the present. The early evolutionary philosophy, Idealism, Pragmatism, Realism, Naturalism, and recent trends will be included. Three hours, second semester.

121. Philosophy of Religion. (See Religion 113.)
Basic problems in the philosophy of religion are considered, such as the nature and existence of God, ways of knowing God, evil, human personality, human purpose, religious experience, and immortality. Open to juniors and seniors, and to sophomores on consent of instructor. Not open to those who have taken Religion 113. Three hours, first semester.

175, 176. Seminar.
The work in this course varies from year to year, dealing with individual philosophers such as Kant, Hegel, Whitehead, and Royce, or with such subjects as the philosophy of the state and the philosophy of science. Three hours throughout the year.

191, 192. Individualized Courses.
Special work for advanced students in the department.

PHYSICAL EDUCATION

Assistant Professors Lasch, Hopkins and Kirkman, Mr. Grow

The Physical Education Department of Kalamazoo College aims to provide skilled leadership and adequate facilities that will afford an opportunity for students to participate in activities
which are physically wholesome, mentally stimulating and satisfying, and socially sound. Other aims of the department are:

1. To promote, in accordance with acceptable hygienic standards, an interest in wholesome recreational activities which may be enjoyed both now and in after-school life.

2. To provide opportunities to participate in a wide variety of activities which will develop skills in all fundamental movements.

3. To provide for the professional preparation of teachers in physical education through a curriculum based on courses in principles, methods, theory and practice.

4. To encourage participation in:
   a. a well balanced program of varsity, freshmen, and intramural athletics for men.
   b. a well balanced program of recreational activities for women.

Physical Examination and Health Service

The department works in cooperation with the health service of the College in providing opportunities for participation in games and sports suited to the physical needs of each student. The records of the annual physical examination of each student are utilized in planning the program of the individual. A modified activities course for women is offered to meet the needs of a student with disabilities or handicaps.

Intercollegiate Athletics

The men are provided an opportunity to participate in intercollegiate sports (football, basketball, baseball, track and field, cross country, tennis and golf). Only those who meet the academic eligibility requirements of the Michigan Intercollegiate Athletic Association may participate in varsity sports. While participating in varsity sports, students are excused from required activity courses in the department.

Intramural Program for Men

The following activities are included in the intramural program: badminton, basketball, bowling, boxing, touch football, foul shooting, golf, horseshoes, rope climbing, softball, swimming, table tennis, tennis, track and field, volleyball, and wrestling. Activity credits may be granted for participation in the intramural program.

Tournaments are conducted in all the individual sports, and all team sports are conducted on a league basis among the various divisions.

Recreational Program for Women

The following activities are included in the recreational program: speedball, volleyball, basketball, softball, tennis, badminton, archery, and golf.

The Women's Recreation Association, working in collaboration with the department, promotes an active interest in sports among the women. The Association also sponsors a Modern Dance Club and a Square Dance Group.

Required Physical Education

All students are required to satisfactorily complete before graduation a four-semester program of activities in physical education. These activity courses are to be taken during the first two years in college; however, students who do not satisfactorily complete the work of any semester will be required to repeat the work of that semester during his last two years in college. These courses do not carry academic credit.

No student may be excused from these courses except upon the recommendation of the College Health Service physician. Temporary medical excuses are handled through the Health Service.

Required Activity Courses for Men

21M, 22M. Freshman Activities
   Two hours throughout the year.

51M, 52M. Sophomore Activities.
   Two hours throughout the year.

Required Activity Courses for Women

The required activities program for women is designed to give each student experience and usable skill in a variety of fields, which may be used by her in post-school life. Therefore, each student must elect a semester of swimming, a semester of rhythms, and a semester of individual sports to meet three of the four semesters of required activity courses in physical education. The fourth semester is to be an election of any activity course offered which has not previously been satisfactorily completed.
O1W, O2W. Modified Activities.
O3W, O4W.
This course is designed for those students whose physical dis­
bilities limit their participation in the regular program. Admis­
sion to this course is upon the recommendation of the Health
Service physician and in consultation with the instructor. Two
hours throughout the year.

1W. Freshman Fundamentals.
This course is designed for students of low motor ability as
discovered by tests administered during registration— or for
those students who have had no previous physical education ex­
erience. Two hours, first semester.

2W. Rhythms.
A general survey course including folk, country, modern, and
ballroom dancing. Two hours, second semester.

3aW. Swimming.
A course for the experienced swimmer. Two hours, first
semester.

3bW. Swimming.
A course for the novice or beginner. Two hours, first se­
semester.

4W. Racquet Games.
A course in tennis, badminton, table tennis. Two hours, sec­
ond semester.

5W. Archery.
Two hours, first semester.

6W. Golf
Two hours, second semester.

7W. Volleyball and Softball.
Two hours, first semester.

8W. Speedball and Basketball.
Two hours, second semester.

Professional Preparation in Physical Education
The College offers a program of undergraduate study for
students who intend to complete a major in Physical Education
and Athletics. Courses are offered for men with emphasis on
the secondary level, while those for women range from the
elementary through the secondary level. Certain courses in
health education and recreation give the student sufficient know­
ledge and background to qualify for various types of positions
in these fields.
prerequisite for the Methods and Techniques of Teaching program. One hour throughout the year.

13W, 14W. Freshmen Major Individual Sports.
A course which stresses the skills, techniques, and strategy of racquet games and golf. Prerequisite, 4W and 5W, or 6W. One hour throughout the year.

41. Introduction to Physical Education.
An orientation course designed to acquaint the student with the modern developments of physical education in relation to general education and in light of its biological, psychological, and sociological foundations. A study is made of aims, objectives, philosophy, and principles with practical application; program facilities; personnel; and opportunity for service in the field. Three hours, first semester.

42. Personal and Community Health.
Problems of personal and community hygiene, public health practice, mental health, social relationships, health fads, and fallacies. Special emphasis is given to the study of growth and development of diseases of greatest social significance. Three hours, second semester.

53. Community Recreation.
An introduction to the field of recreation with special emphasis upon the community. A study is made of programs, leadership, facilities, agencies, and organizations. Consideration is given to the nature and functions of recreation in meeting the leisure time needs of all age levels. Prerequisites, Physical Education 41 or six semester hours in Sociology and permission of instructor. Two hours, first semester.

54. Camp Leadership.
Intended for students who wish to prepare for a position of camp counselor during the summer in public and private organized camps. Study and discussion of education and recreational implications; leadership, facilities, equipment, and programs; administrative procedure in organized camps. Two hours, second semester.

61. Human Anatomy and Kinesiology.
Gross anatomy; the skeletal and muscular structure; the circulatory, digestive, respiratory, and neural systems, and their functioning in physical activities; special consideration is given to the mechanical principles applicable to human motion and athletic performance. Required of all majors in Physical Education. Prerequisites, Biology 3 and 4. Three hours, first semester.

62. Physiology of Muscular Activity.
Effects of various forms of physical activity on the physiological processes; physiological application of muscular exercise to physical conditioning and training; significance of these effects for health and for performance in activity programs. Required of all majors in Physical Education. Prerequisites, Biology 3 and 4 and Physical Education 61. Three hours, second semester.

81W. Sophomore Major Team Sports.
This course is a continuation of course 11W, 12W to cover the team games not previously included. One hour, first semester.

82W. Sophomore Major Rhythms.
A course developed to give the student a more thorough understanding of the techniques and skills of the various rhythmic activities included in singing games; folk, square and country dancing; modern dance; and ballroom steps. One hour, second semester.

121M. Fundamentals and Techniques of Teaching Individual Sports.
Theory and practice. A wide variety of activities is presented stressing the learning of techniques and the methods of teaching and organizing groups for instruction and participation. Special emphasis on tennis, badminton, handball, boxing, wrestling and swimming. Required of all men majoring in Physical Education. Two hours, first semester.

122. Graded Programs in Physical Education.
Study and practice in various activity programs suitable for all age levels of elementary and secondary schools; understanding of the various classifications of play activities—needs, emphasis, and application to various stages of growth and development. Prerequisite, Psychology 51. Required of all men majoring in Physical Education. Two hours, first semester.

131. Methods and Materials of Teaching Health Education.
A study of the major school health problems and how they are met with various accepted methods of instruction; of the use of modern teaching aids in health education; and of the principles and techniques of teaching health in schools. Prerequisite, Physical Education 42 or equivalent. Two hours, first semester.

132. Methods of Teaching Physical Education.
Methods of teaching physical education activities in public schools, organization of classes, classification of pupils, evaluation of principles in competition; characteristics of good teaching
and lesson planning; practical experience in assisting with required physical education classes. Required for teaching certificate. Three hours, second semester.

135M. Fundamentals of Coaching Football and Basketball.

A study in the analysis and practices of the fundamental skills of football and basketball. Required of all men majoring in Physical Education. Two hours, first semester.

136M. Coaching of Baseball and Track.

Fundamentals, methods, and qualifications for playing the various positions in baseball; team work and strategy; study of the rules. Fundamentals and techniques of the various events in track and field; analysis of the motor skills involved. Required of all men majoring in Physical Education. Two hours, second semester.

140W. Methods of Teaching Physical Education. (Individual Sports)

The fundamentals of class organization, adaptation to students and facilities, the instruction procedures for teaching at the various age levels. The student will have the opportunity to apply the knowledge gained in class situations. Prerequisite, course 13W, 14W. One hour, second semester.

141W. Methods of Teaching Physical Education. (Team Sports)

This course concentrates on the translation of learned skills into analysis for imparting the knowledge to others. Methods, materials, teaching aids, and techniques are introduced. Prerequisite, courses 11W, 12W, 81W. One hour, first semester.

151W, 152W. Major Individual Sports.

A continuation of courses 12W, 14W, and 140W. Includes new skills, particularly those used as adult recreation. Prerequisite, courses 13W, 14W, 140W. One hour throughout the year.

156W. Methods of Teaching Physical Education. (Swimming)

The study of the various methods and techniques used to teach swimming to all age levels. Prerequisite, 3aW or 3bW or Senior Life Saving Certificate. One hour, second semester.

157. Methods of Teaching Physical Education. (Rhythms)

This course aims to guide the student in the selection of the proper activity for each grade level, country, folk, square, ballroom, and modern dancing. Open to men and women preparing for the teaching field. One hour, first semester.

158. Intramural Programs.

Intramural programs for large and small schools; organization for competition; administrative policies and procedures.
PHYSICS

PROFESSOR HORNBECK, ASSISTANT PROFESSOR BARBOUR

Course 1, 2 or 3, 4 is prerequisite for all others except physics
61. Course 119 and all higher numbers are designed primarily
for students who are majoring in physics or chemistry with
the intention of going on for graduate work. These students also
take three or four years of work in the Department of Mathemat-
ics.

A major in physics must include a reasonable balance of
laboratory courses and mathematical theory.

1, 2. General College Physics.
This course is designed for pre-medical, pre-dental, and all
students who do not plan to major in physics, chemistry, or
engineering. First semester, mechanics, heat; second semester,
sound, magnetism, electricity, and light. Open to freshmen. One
hour demonstration lecture and three hours recitation per week,
plus one two-hour laboratory period. Four hours throughout the
year.

3, 4. General College Physics.
This course is intended for pre-engineering students and also
for all who expect to major in physics or chemistry. Problem
solving is stressed. Prerequisite, a knowledge of trigonometry.
One hour demonstration lecture and three recitation hours per
week, plus one two-hour laboratory period. Five hours through-
out the year.

55, 56. Physical Measurements.
An advanced laboratory course in general physics consisting of
selected experiments too long or too difficult for inclusion in
courses 1, 2 or 3, 4. Two or three hours each semester, depending
upon the amount of work accomplished.

61. Astronomy.
The development of astronomy in recent years has been ex-
tremely rapid due largely to our extended knowledge of physics
and chemistry. This course includes a study of some of the
most recent contributions. Three hours, first semester.

62. Meteorology.
The aim of the course is to give the student a sound back-
ground in the physical principles of meteorology and an under-
standing of the instruments and meters used in this field. Use
is made of a textbook which is supplemented by bulletins from
the U. S. Weather Bureau. Three hours, second semester.

101, 102. Modern Physics.
A study of recent work in the fields of ionization of gases,
photoelectricity, the electronic charge, X-rays, structure of
crystals, line spectra, Bohr theory, the nature of radiation,
structure of atoms, radioactivity, and atomic energy. Frequent
lecture-table demonstrations. Three hours throughout the year.

103. Electronics.
A study of electronic emission; construction, types, and prop-
erties of high vacuum and gas-filled thermionic tubes; use of
thermionic tubes as rectifiers, control devices, and amplifiers.
Prerequisite, a year of calculus. Two hours recitation and one
three-hour laboratory period. Three hours, first semester.

104. Electrical Measurements.
An advanced laboratory course in measurement of electro-
motive force, current, resistance, inductance, capacitance, impede-
ance, power factor, and magnetic properties of iron. Prerequisite,
a year of calculus. Two hours recitation and one three-hour
laboratory period. Three hours, second semester.

108. Light.
An intermediate course in physical optics. Prerequisite, a year
of calculus. Three hours recitation and one three-hour laboratory
period. Three or four hours, second semester. (Note: This course
may be taken without the laboratory.)

A general course with emphasis on the physics of the subject.
It includes a study of direct-current motors and generators, alter-
nating-current motors and generators, batteries, electric meters,
transformers, three-phase systems, and power transmission.
Prerequisite, a year of calculus. Classroom work three times a
week and one three-hour laboratory period. Alternates with 119,
122. 1949-50. Four hours throughout the year.

119. Advanced Mechanics. (Mathematics 113.)
A mathematical course including both statics and dynamics.
Special attention is given to motion in an inverse-square field,
gravitational potential, dynamics of a particle, dynamics of a
rigid body, vital work, constrained motion, damped oscillations,
and Maxwell’s Equations. Prerequisite, a year of calculus. 1950-
51. Three hours, first semester.

122. Advanced Electricity and Magnetism.
A mathematical course including both direct and alternating
current theory. It includes electrostatics, potential theory, die-
lectric and magnetic media, general networks, electrical oscil-
lations,
and transients. Prerequisite, a year of calculus. Courses 119 and 122 alternate with 115, 116. 1950-51. Three hours, second semester.

   Designed to show various applications of mathematics to physics. Such topics as ordinary and partial differential equations, La Grange's, Euler's and Hamilton's equations, heat flow, vibrations of strings and membranes, Fourier series and some vector analysis are discussed. 1950-51. Three hours throughout the year.

191, 192. Special Problems.
   This is a special course intended to afford students of superior ability and adequate preparation an opportunity to obtain specific training for original investigation. A laboratory problem is assigned, together with reference reading, and the student is left as far as possible to his own resources. Prerequisite, two years of physics and a year of calculus. One to three hours.

**POLITICAL SCIENCE**

**Professor Cornell,** † Mr. Ham,* Mr. Taylor,
Mr. Stone, Mr. Allen, Mr. Elwell†

Courses 51, 52, 53, and 54 are open to sophomores. Courses 101 to 174 are open to juniors and seniors only.

   The study of the modern city as an all-inclusive public service corporation; the nature and source of its powers, liabilities and limitations. Three hours, first semester.

52. Introduction to Municipal Administration.
   A study of the modern city as a public service corporation with emphasis on administrative problems. Three hours, second semester.

53. Introduction to Political Theory.
   An historical introduction to political theory from early Greece to present times. The course is intended to acquaint the

† First semester, 1949-50.
‡ Deceased.

student with outstanding thought on such questions as origin and nature of the state, purpose of the state, the location and nature of political sovereignty, individual rights, etc. Three hours, first semester.

54. The State and the Individual.
   A study of those phases of the American constitutional system concerned with (1) the participation of the individual in the affairs of the state and (2) the protection of the individual against the arbitrary exercise of power on the part of the state. Three hours, second semester.

101. Comparative Government
   A comparative study of contemporary national governments with emphasis on the structure and functions of the major governments. Three hours, first semester.

   A study of the structure and functioning of state government. Special attention to problems of representation and organization. Three hours second semester.

108. Legislation.
   A section from the field of constitutional law dealing with the scope and limitations of legislative power. 1950-51. Three hours, second semester.

109. Administration.
   A study of the administrative process. 1950-51. Three hours, first semester.

110. Judicial Administration.
   The organization, jurisdiction, procedure, function, and specialization of the courts. 1951-52. Three hours, second semester.

113. Labor Problems. (See Economics 113.)

117. Domestic Relations.
   Selected problems from the field of personal relations; parent and child, guardian and ward, husband and wife, official and charge. 1951-52. Three hours, first semester.

126. Criminal Justice.
   The study of individual and social interests secured through the administration of criminal law and the evaluation of the means employed in the process. 1951-52. Three hours, second semester.

127. Taxation.
   The various types of taxation studied with reference to the
scope and limitations of the taxing power. 1950-51. Three hours, first semester.

128. Public Finance. (See Economics 128.)

A study of contracts and agency as the basic principle of business relationships. 1950-51. Three hours, first semester.

142. Business Units.
A study of partnerships and corporations as types of business units. 1950-51. Three hours, second semester.

143. Trade Regulation.
A study of the program and procedures involved in the regulation of economic enterprise. 1951-52. Three hours, first semester.

144. Labor Law.
A study of the principles governing the regulations between employer and employee. 1951-52. Three hours, second semester.

151, 152. Municipal Management.
A study of the management of the modern city in its several phases and departments. The work of the seminar is supplemented by special lectures by the City Manager of Kalamazoo and members of his staff. Two hours throughout the year.

153, 154. Municipal Finance Administration.
A study of the financial problems and procedures with emphasis upon long term financial planning. 1950-51. Two hours throughout the year.

155, 156. Personnel Problems.
A study of those problems arising in connection with the operation of the personnel process. Consideration is given to the problems arising in connection with personnel procedures from the organization of the agency to the establishment and operation of a retirement plan. 1951-52. Two hours throughout the year.

159. Public Personnel Methods-Training.
1951-52. Two hours, first semester.

160. Public Personnel Methods-Research.
1951-52. Two hours, second semester.

161. Employment Procedures. (See Economics 157.)

162. Employer-Employee Relations. (See Economics 158.)

191, 192. Individualized Work in Political Science.
Group Majors: In cooperation with related departments, group majors are offered in the following fields: Jurisprudence (pre-legal study), International Relations, Public Administration.

The Bureau of Municipal Research is conducted as a joint enterprise by the administration of the City of Kalamazoo and the Department of Political Science of Kalamazoo College. This bureau is organized as a division of the city manager’s office. Its objectives are to provide clinical contacts for advanced undergraduates and graduate students in the field of public administration, and to make available to the administration of the city and others interested the results of studies of typical city administrative problems. The city manager and members of his staff participate in conferences with the students and act as research advisers upon projects within their several fields.

PSYCHOLOGY

Professor Hemmes, Associate Professor Van Liere.

The following courses are required of majors: Psychology 51, 52, 101, and 102. Majors contemplating graduate work should get as much science and mathematics as possible. Clinical majors may substitute sociology.

51. General Psychology (Introductory).
A study of the behavior of the individual in terms of learning, motivation, emotions, maturation, personality. Prerequisite to Psychology 52 and 101. Three hours, first semester.

52. General Psychology (Intermediate).
A continuation of the study of general introductory psychology with special reference to such fields as physiological, clinical, abnormal, etc. Prerequisite, grade of C or better in Psychology 51. Three hours, second semester.

53. Applied Psychology.
The course deals with the application of psychology to business and industry. Problems of employee selection, job analysis, efficiency in work, training in industry, personality adjustment, and interest will be studied. Other fields of application are those of consumer and advertising research, crime, and mental health. Prerequisite, three hours of psychology. Three hours, first semester.
54. Mental Hygiene.
   The application of psychological facts and principles to the
development of adequate individual adjustment from a preven­
tive rather than therapeutic point of view. Prerequisite, three
hours of psychology. Three hours, second semester.

56. Educational Psychology. (See Education 56.)

101. Experimental Psychology (Introductory).
   Experimental method and the statistical treatment of data;
laboratory investigations of selected topics in general psychology.
Prerequisite, grade of C or better in Psychology 51. Required
of all majors. Three hours, first semester.

102. Experimental Psychology (Intermediate).
   Continuation of introductory laboratory methods with further
emphasis on statistics. Leads to individual experimental practice.
Prerequisite, grade of C or better in Psychology 101. Three hours,
second semester.

103. Abnormal Psychology.
   A study of emotional adjustment, personality problems, con­
flicts, compensatory behavior, neurotic behavior, conduct dis­
orders. Prerequisite, six hours of psychology. Three hours, first
semester.

105. Psychology of Childhood and Adolescence.
   A study of the development of behavior in infancy, child­
hood and youth, including a survey of factors which influence
various kinds of behavior. Prerequisite, six hours of psychology. Three hours, first
semester.

106. Social Psychology. (See Sociology 142.)

107. Tests and Measurements.
   A survey course which introduces the student to the develop­
ment and critical use of tests designed to measure intelligence,
personality, interests, achievement, special aptitudes, etc. Prere­
quisite, six hours of psychology. Three hours, first semester.

118. Comparative Neurology. (See Biology 118.)

127. Persuasive Speaking. (See Speech 127.)

151. Learning and Conditioning.
   Examination of the methods, findings, and theories of learn­
ing and conditioning, with emphasis on the nature of the learn­
ing process and the variables affecting learning. Prerequisite,
six hours of psychology. Three hours, first semester.

152. History of Psychology.
   A historical treatment of the development of psychology
from the time of Aristotle, showing the specific developments
from fields of philosophy, physiology, physics, and mathematics.
Prerequisite, six hours of psychology. Three hours, second sem­
ester.

153. Psychology of Personality.
   Presents the methods and results of the scientific study of
personality. Attention given to the basic concepts of personality
traits and their measurement, the developmental influences, and
the problem of integration. Critical evaluation of all factors con­
cerned. Prerequisite, six hours of psychology. Three hours, first
semester.

154. Contemporary Schools of Psychology.
   A study of the development of modern experimental psychol­
ogy, of the psychology of William James, of behaviorism, of
Freud and the psychoanalytic movement, of Gestalt psychology,
and other recent trends. Prerequisite, six hours of psychology.
Three hours, second semester.

155. Clinical Psychology.
   An introductory course for students planning to go into
counselling, advising, social work, or clinical psychology. Deals
with techniques and problems of interviewing, giving and appli­
cation of tests, counselling methods, clinical implications and
significance of social and personal history. Prerequisite, six
hours of psychology. Three hours, first semester.

156. Survey of Clinical Techniques.
   Designed to give the student who has had Psychology 155
some acquaintance with available testing materials. Considera­
tion of the principal intelligence and performance tests used in
clinics, and projective techniques and kinds of therapy. Prere­
quisite, six hours of psychology. Three hours, second semester.

   Majors are encouraged to engage in some sort of supervised
study for one semester. This may be a reading course devoted to
a particular system or to current literature, or it may be con­
cerned with some research being carried on by some member of
the staff. Prerequisite, majors of senior standing. Hours to be
arranged, first and second semesters.
The courses in this department are grouped in three divisions: (1) Biblical literature, (2) religious history and thought, (3) religious education. A major will include courses from all three groups. A minor may be limited to Biblical literature.

I. Biblical Literature

4. The Making of the English Bible.
   A history of the English Bible, starting with the completed texts of the books of the Bible and tracing their transmission through the various outstanding manuscripts and translations. Special attention is given to the English and American translations, including the latest revisions. Two hours, second semester.

11. The Life and Teaching of Jesus.
   A study of the life of Jesus and of his teachings. Three hours, first semester.

   A study of the books of the New Testament, with special attention to the writings of Paul. Three hours, second semester.

13, 14. The Old Testament.
   A chronological study of the literature and religious development of the Old Testament in the light of the historical background. The pre-exilic period will be covered in the first semester; the exilic and post-exilic periods the second semester. Three hours throughout the year, but credit granted for a single semester.

II. Religious History and Thought

   An introductory study of what religion is and how it functions, together with an examination of some of its basic problems. An attempt is made to find the meaning and values of religion for present day life in the light of modern thought and methods. Not open to freshmen; not open to those who have taken Philosophy 121. 1951-52. Three hours, first semester.

114. Religions of the World.
   An historical study of the world's great religions, with special emphasis upon their distinctive values. Not open to freshmen. Three hours, second semester.

III. Religious Education

The aim of the courses in religious education is two-fold: (1) to present a working knowledge of the principles, aims, and methods of modern religious education for those students who will be working as laymen in their local churches; and (2) to furnish foundation courses for students who expect to pursue advanced courses in religious education in graduate schools.

123. The Principles of Religious Education.
   This course provides a general introduction to the field of religious education. It includes a study of the nature and growth of the religious life, and a consideration of the principles, aims, general methods, and problems of religious education. Prerequisite, Psychology 51. Three hours, first semester.

124. The Organization of Religious Education.
   The emphasis of this course is upon the educational program of the local church. A brief survey is made of the various other institutions for religious education, including week-day schools of religion, vacation schools, clubs, etc. Prerequisite, course 123, or consent of instructor. Three hours, second semester.

191, 192. Individualized Courses.
   In addition to the courses listed, the department is prepared to offer advanced courses to students who are properly qualified.
trols, based upon field observation, published sources, and contempo­
rary contributions. Three hours, first semester.

56. Social Problems.
Brief and intensive studies of the major contemporary social probl­
ems, including the organization and disorganization of societal groups, and their effects upon the person. Plans and programs of social reconstruc­tion are examined. Three hours, second semester.

63. Cultural Anthropology. (Biology 117.)
The origin and development of man and his culture. Modes of living in primitive societies. Three hours, first semester.

64. Cultural Dynamics.
A study of the factors of stability and change in human society; analysis of several theories of culture and methods of scientific prediction in cultural studies. Three hours, second semester.

B. Advanced Courses

111. Rural Sociology.
A study of present day rural society with reference to organization, problems, policies, and trends. 1950-51. Three hours, first semester.

112. The Family.
A study of the origin and development of the family, together with an analysis of the structure, function, and problems of the American family. Three hours, second semester.

113. Urban Sociology.
A study of urban society, its rise, development, organization, controls, and effects in modern civilizations. 1949-50. Three hours, first semester.

115. Race Relations.
Migrations and population problems. Racial and national prejudices, conflicts, and accommodations. Minority groups in society. Three hours, first semester.

118. Crime and Delinquency.
A causal study of criminal behavior and an analysis of methods of treatment and prevention. Prerequisite, six semester hours in sociology, or six hours in sociology and political science. Three hours, second semester.

142. Social Psychology. (Psychology 106.)
An investigation of the dynamic relationships between individuals and society. Group behavior, socializing processes, social interaction, and adjustments are studied. Prerequisite, Psychology 51, and Sociology 51 advised. Three hours, second semester.

133. Elementary Social Statistics. (See Economics 133.)

191, 192. Special Problems.
Other courses will be arranged to suit the needs of individual graduates or undergraduates with not less than twelve hours in sociology.

C. Pre-Social Work Courses

121. Fields of Social Work.
A general survey of the main fields of modern social work, including case, group, and institutional work, and organization and promotion. Prerequisite, nine hours in sociology. Three hours, first semester.

Includes observation and practice field work in connection with social work agencies in the community, or social research on approved projects. Credit arranged on the basis of 54 hours of work and conferences per semester hour. One to three hours throughout the year. All majors in the department are expected to complete three semester hours. One or two hours may be done during the summer months under the direction of an approved social or research agency. Open to juniors and seniors with nine semester hours of sociology.

A study of child life in American society with special consider­ation of child problems and means of promoting the well-being of children. Prerequisite, nine hours in sociology. Three hours, second semester.

126. Public Welfare.
This course deals with the development, organization and function of public welfare, especially in the United States. Social change and modern problems in public welfare administrations are discussed. 1950-51. Open to juniors and seniors. Three hours, second semester.

127. Case Work and Social Development.
A study of the elementary principles of case work as applied in the social services. Interviewing, preparation, and use of case histories, and the interpretation of individual problems in personality development. Prerequisite, twelve hours in sociology and psychology. Three hours, first semester.
130. Community Organization.

Community structure and processes of organization are studied. Emphasis is placed upon the social services, social policies and administration, coordination of agencies, and social planning. Prerequisite, six hours in sociology. 1951-52. Three hours, second semester.

SPEECH

ASSOCIATE PROFESSOR KAUMP, MISS BAUM, MR. PICKHARDT

A major in speech consists of courses 11, 12, 117, 118, 127, 140; one sequence selected from 123, 124; 127, 128; 131, 132; 191, 192; and at least four additional hours in the department.

A teaching major must include 123, 124, two hours of 191, plus the required courses in education.

A minor must include courses 11, 12, and one of the following sequences: 117, 118; 123, 124; 127, 128; 131, 132.

Six hours in speech may be counted toward requirement 1 d, page 75.

A program of extra-curricular speech activities is provided for students who are interested in theatre, radio, oratory, discussion, debate, extemporaneous speaking, and interpretation, without credit. See page 40.

11. Basic Speech.

Required of all students. Understanding of the function and principles of effective oral communication. Practice and analysis of individual performance. Suggestions for improvement with the purpose of developing in each student the ability both to speak and to listen with effectiveness. (To be taken before the end of the sophomore year.) Two hours, each semester.

12. Basic Speech.

Elective. Prerequisite, Basic Speech 11. Study and practice in extemporaneous presentation of types of speaking with particular emphasis on organization of material, oral language techniques, and an understanding of audience. Special attention given to informal speeches, introduction, after-dinner, business interview, conversation, eulogy, oration. Three hours, each semester.

115. Radio Speaking.

Practice and theory in writing, direction of and production of scripts developing skills and techniques in announcing, broadcasting, interviewing, acting, and recording. At least half of the time is laboratory participation. Practical experience in broadcasting weekly over local radio stations. Prerequisite, Speech 11, 12. Three hours, first semester.

117, 118. Interpretative Speech.

A study of the principles of effective oral reading; training in the development of mental and emotional responsiveness to the meaning of literature and in the communication of this appreciation to an audience; guidance in the evaluation of good literature as material for public reading; extensive practice in reading both prose and poetry. Prerequisite, course 11, 12; 117 prerequisite for 118. Two hours throughout the year.

123, 124. Theatre.

A survey of the development of the theatre, aesthetics of the theatre, theories of production, acting techniques primarily from the point of view of the teacher, director of school, church, or community theatre. Laboratory participation of principles. Not open to freshmen. Prerequisites, Speech 11 and 12. Three hours throughout the year.

127, 128. Persuasive Speaking. (Psychology 127.)

A study of the influencing of human behavior by means of the spoken word through the various forms of platform address, with practice in preparation and delivery. A study of the types of audiences, sources of belief, and nature of response; methods of adapting the spoken appeal to the mental state of the audience, of securing and holding attention, of arousing interest, and winning response. Prerequisite, course 11, 12; 127 is a prerequisite for 128. Three hours throughout the year.


A study of the principles, methods, and types of group discussion with an application to contemporary problems of national interest; practice in organizing, conducting, and leading round table, panel, and forum discussions. Three hours, first semester.

132. Argumentation and Debate.

A study of the principles of argument, with attention given to the use of evidence, reasoning, briefing, and delivery in public speech and contest debate. Considerable platform practice. Three hours, second semester.

140. Voice Science.

Specific training and practice designed to perfect the functioning of the speaking mechanism and to give the individual control over it. Exercises for flexibility, reasonance, range, breathing, relief from tension, articulation, and enunciation. A study of phy-
sical, physiological, and psychological bases underlying phonation. Three hours, second semester.

150. Advanced Argumentation and Debate.
Two hours' credit will be given college debaters who debate inter-collegiate debates the second year and have taken courses 131 and 132.

189. Teaching of Speech.
Speech or English majors who plan to teach speech may take 189 in their senior year. Prerequisite, speech major or minor. Two hours, first semester.

191, 192. Individualized Courses.
An intensive approach to the actual problems of the various forms of speaking, designed for highly qualified students. This course is graduated to permit the student to secure from one to four hours' credit at the rate of one hour per semester. Special study is given to the various forms of public speaking, interpretation, and radio speech. Prerequisite, consent of the instructor.

Curriculum Suggestions

SHOWING PROFESSIONAL AND VOCATIONAL RELATIONSHIPS

Kalamazoo College is definitely committed to the ideals of a college of liberal arts and sciences. Having been first in the field among the chartered institutions of higher learning in Michigan, it has naturally adhered to that type of instruction which seeks primarily the enlargement and enrichment of the student's life rather than specific training for his subsequent vocation.

For students showing ability and purpose sufficient to warrant membership in college, those mental attitudes, methods and tastes which characterize a liberally educated person can usually be made dominant in the course of four years. Therefore, in order to accomplish its main and inclusive purpose, the College emphasizes the importance of the full four year course. Whatever profession or business may be followed later by our graduates, we feel obligated to see to it that an ample background of culture and the power of orderly thinking have been provided prior to training in professional technique or vocational skill. From this point of view it is important that our graduates have the equipment for living the kind of life which will bring them real satisfaction.

However, it must not be supposed that college life is a sheer luxury or that the disciplines of the curriculum have no worth or meaning for a livelihood. Since many college students are thinking of definite careers, it is due them to relate certain subjects of the liberal arts course to some of the standard vocations. The outlines given below do no violence to the standards of a college of liberal arts and sciences but aim rather to make clear to the student those professional and vocational relationships that remain obscure when courses are announced solely under departmental headings.
THE CHRISTIAN MINISTRY

Students preparing for the Christian ministry should have a good foundation in Biblical literature, English literature, the biological and social sciences, and philosophy. The following program is suggested as meeting the requirements of most graduate schools of religion.

First Year
Composition 1, 2; Speech 11; Biology 3, 4; foreign language; and History 1, 2; or Religion 11, 12; or 13, 14.

Second Year
English Literature 51, 52; foreign language; Psychology 51, 52; Economics 51, 52; History 111, 112; or Philosophy 51, 52; Speech 12.

Third and Fourth Years
Courses should be chosen from religion, English literature, history, music, philosophy, political science, and sociology. Students who are actively engaged in church work will find it advisable to take the courses offered in religious education.

CLINICAL AND LABORATORY TECHNIQUES

In view of the increasing demand for laboratory technicians, the following course is suggested as furnishing the background necessary for specialized training leading to certification in clinical and laboratory techniques. It is recommended that between the second and third years the student attend a summer school where technical courses can be pursued which are specifically valuable for future needs.

First Year
First Semester
Biology 3 4 hours
Chemistry 1 or 2 4 hours
Composition 1 2 hours
Foreign Language 4 hours
Speech 11 2 hours

Second Semester
Biology 4 4 hours
Chemistry 2 or 4 4 hours
Composition 2 2 hours
Foreign Language 4 hours

16 hours

Second Year

Third Year

Fourth Year

CURRICULUM SUGGESTIONS

DENTISTRY

It is suggested that students preparing to enter a school of dentistry follow the course recommended for those planning to study medicine.

ENGINEERING

Combined Curriculum

A combined curriculum in engineering, embracing a three year course in Kalamazoo College and a two year course in the College of Engineering of the University of Michigan was ap-
proved by the faculties of both Colleges in the spring of 1940 and was authorized by the Board of Regents of the University of Michigan on June 14, 1940, and by the Board of Trustees of Kalamazoo College on June 15, 1940.

The student enters Kalamazoo College upon graduation from high school and takes specified courses in chemistry, physics, mathematics, and engineering drawing, together with courses of a general cultural nature, for a period of three years. He then transfers to the University of Michigan. After the successful completion of one year of study in the College of Engineering, he receives the Bachelor of Arts degree from Kalamazoo College. Upon the successful completion of two years' work in the College of Engineering, he receives the degree of Bachelor of Science in Engineering from the University of Michigan.

Applicants for admission to the Combined Curriculum must meet the regular requirements for admission to Kalamazoo College, must offer a major sequence in mathematics (including solid geometry), and must have taken while in high school a course in either chemistry or physics. They must have earned superior grades in high school, especially in mathematics and science.

The following outline indicates the courses for which the student registers at Kalamazoo College. Students will be advised by counselors in the College of Engineering regarding the courses which they will elect in that College.

### First Year

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Composition 1</td>
<td>Composition 2</td>
</tr>
<tr>
<td>Mathematics 1</td>
<td>Mathematics 2</td>
</tr>
<tr>
<td>*Chemistry 2</td>
<td>Chemistry 4</td>
</tr>
<tr>
<td>Physics 3</td>
<td>Physics 4</td>
</tr>
<tr>
<td>Engineering</td>
<td>Descriptive</td>
</tr>
<tr>
<td>Drawing</td>
<td>Geometry</td>
</tr>
<tr>
<td>†Foreign Language</td>
<td>†Foreign Language</td>
</tr>
<tr>
<td>Physical Ed.</td>
<td>Physical Ed.</td>
</tr>
<tr>
<td>17 or 18 hours</td>
<td>17 or 18 hours</td>
</tr>
</tbody>
</table>

*Those freshmen who are eligible should elect Physics 3.
†See footnote page 143.

### Second Year

**Aeronautical, Civil, Electrical, Marine, Mechanical**

<table>
<thead>
<tr>
<th>Mathematics 51</th>
<th>5 hours</th>
<th>Mathematics 52</th>
<th>5 hours</th>
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<tbody>
<tr>
<td>Physics 3</td>
<td>5 hours</td>
<td>Physics 4</td>
<td>5 hours</td>
</tr>
<tr>
<td>or Chemistry 2</td>
<td>4 hours</td>
<td>Chemistry 4</td>
<td>4 hours</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>4 hours</td>
<td>Foreign Language</td>
<td>4 hours</td>
</tr>
<tr>
<td>Economics 51</td>
<td>3 hours</td>
<td>Economics 52</td>
<td>3 hours</td>
</tr>
<tr>
<td>Physical Ed.</td>
<td>0 hours</td>
<td>Physical Ed.</td>
<td>0 hours</td>
</tr>
<tr>
<td>16 or 17 hours</td>
<td></td>
<td>16 or 17 hours</td>
<td></td>
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</table>

**Chemical and Metallurgical**

<table>
<thead>
<tr>
<th>Mathematics 51</th>
<th>5 hours</th>
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<th>5 hours</th>
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<tbody>
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<td>Physics 3</td>
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<td>5 hours</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>4 hours</td>
<td>Foreign Language</td>
<td>4 hours</td>
</tr>
<tr>
<td>†Chemistry 51 or 55</td>
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<td>†Chemistry 54 or 56</td>
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</tr>
<tr>
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<td>Physical Ed.</td>
<td>0 hours</td>
</tr>
<tr>
<td>17 or 18 hours</td>
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### Third Year

**Aeronautical**

<table>
<thead>
<tr>
<th>Humanities</th>
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<tbody>
<tr>
<td>Physics 115</td>
<td>4 hours</td>
<td>Physics 116</td>
<td>4 hours</td>
</tr>
<tr>
<td>Physics 119</td>
<td>3 hours</td>
<td>Physics 122</td>
<td>3 hours</td>
</tr>
<tr>
<td>Mathematics 111</td>
<td>3 hours</td>
<td>Elective</td>
<td>5 hours</td>
</tr>
<tr>
<td>English</td>
<td>3 hours</td>
<td>English</td>
<td>3 hours</td>
</tr>
<tr>
<td>Speech 11</td>
<td>2 hours</td>
<td></td>
<td>18 hours</td>
</tr>
<tr>
<td>18 hours</td>
<td></td>
<td>18 hours</td>
<td></td>
</tr>
</tbody>
</table>

†Those preparing for Metallurgical Engineering may take Chemistry 55 and 56 for two hours' credit each semester, omitting the laboratory work.

*If the student desires to do so, he may postpone the foreign language to the second and third years and fulfill the humanities requirement during the first year. Although philosophy and psychology courses are not open to freshmen, courses in art, music, or religion may be taken during the freshman year to fulfill this requirement. Students who have had two years of a modern foreign language in high school should continue the study of the same language the first year.
### Chemical and Metallurgical

<table>
<thead>
<tr>
<th>Humanities</th>
<th>3 hours</th>
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<th>3 hours</th>
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</thead>
<tbody>
<tr>
<td>Chemistry 51 or 55</td>
<td>4 hours</td>
<td>Chemistry 54 or 56</td>
<td>4 hours</td>
</tr>
<tr>
<td>Chemistry 107</td>
<td>3 hours</td>
<td>Chemistry 108</td>
<td>3 hours</td>
</tr>
<tr>
<td>Physics 115</td>
<td>4 hours</td>
<td>Physics 116</td>
<td>4 hours</td>
</tr>
<tr>
<td>Economics 51</td>
<td>3 hours</td>
<td>Economics 52</td>
<td>3 hours</td>
</tr>
<tr>
<td></td>
<td><strong>17 hours</strong></td>
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<td><strong>17 hours</strong></td>
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### Civil, Marine, Mechanical

<table>
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<th>Humanities</th>
<th>3 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics 115</td>
<td>4 hours</td>
<td>Physics 116</td>
<td>4 hours</td>
</tr>
<tr>
<td>Economics 55</td>
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<td>Economics 56</td>
<td>3 hours</td>
</tr>
<tr>
<td>English or Speech</td>
<td>3 hours</td>
<td>English or Speech</td>
<td>3 hours</td>
</tr>
<tr>
<td>Elective</td>
<td>3 hours</td>
<td>Elective</td>
<td>3 hours</td>
</tr>
<tr>
<td></td>
<td><strong>16 hours</strong></td>
<td></td>
<td><strong>16 hours</strong></td>
</tr>
</tbody>
</table>

### Electrical

<table>
<thead>
<tr>
<th>Humanities</th>
<th>3 hours</th>
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<th>3 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics 119</td>
<td>3 hours</td>
<td>Physics 122</td>
<td>3 hours</td>
</tr>
<tr>
<td>Physics 115</td>
<td>4 hours</td>
<td>Physics 116</td>
<td>4 hours</td>
</tr>
<tr>
<td>Mathematics 111</td>
<td>3 hours</td>
<td>Physics 104</td>
<td>4 hours</td>
</tr>
<tr>
<td>English or Speech</td>
<td>3 hours</td>
<td>English or Speech</td>
<td>3 hours</td>
</tr>
<tr>
<td></td>
<td><strong>16 hours</strong></td>
<td></td>
<td><strong>17 hours</strong></td>
</tr>
</tbody>
</table>

**Students Planning to Attend Other Colleges of Engineering**

Although admission requirements in different colleges of engineering vary, the student who takes the course outlined above will find, in most cases, that the transfer to any other college of engineering will be possible without loss of time.

**Four Year Course**

Students desiring to enter colleges of engineering with a broader preparation should take the full four year course at Kalamazoo College prior to enrolling in a college of engineering. The courses indicated above should be elected, but opportunity is afforded for further elections in non-science as well as in science and mathematics.

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**JOURNALISM**

Journalism is not a specific profession, like law or medicine. It is rather a congeries of jobs, professions, avocations. A broad general education, including courses in composition, is fundamental to winning success on the higher levels of journalism.

**LAW**

The student who is preparing for the legal profession should elect a wide range of courses in the social sciences and the humanities. His major may be taken in political science or history, but it is recommended that the field of jurisprudence be selected for the major work. Jurisprudence is the field of study "concerned with those phases of social engineering having to do with the ordering of human relations through the politically organized state." The student majoring in this field must elect at least forty semester hours in the several departments offering courses related to it. These courses should be selected in conference with the adviser, since the individual interests and inclinations of the student determine to some extent the nature of the program.

The best preparation for law school requires completion of the full four year college course. First year: Composition 1, 2; modern language; science; History 53, 54. Second year: Language (continued) and introductory courses in several of the social sciences. Third and fourth years: Courses in political science, history, sociology, economics, and philosophy selected in conference with the adviser. Courses which should be elected by all students include Political Science 51, 110; Philosophy 51, 52; History 55, 56.

**MEDICINE**

The leading schools of medicine require at least two and in most cases three or four years of college work for entrance. In all cases a college degree is considered desirable, even where it is not required. Certain definite amounts of biology, chemistry, physics, and languages are required by all schools, but there are some differences in the amount and character of the work. For this reason the student should, as soon as possible, decide which school he desires to enter and plan his college course accordingly.
The Medical College Admission Test is designed by the Association of American Medical Colleges and is given each year in three hundred fifty approved examination centers. This test, prepared and administered by Educational Testing Service, may be taken either in October or in January but will not be given at any other time during the current academic year. Since most of the medical schools use the Admission Test as a basis for selecting new students, every pre-med is urged to take this examination during his junior or senior year in college.

To meet the requirements of the American Medical Association, the major work of students preparing for medicine is preferably taken in biology or chemistry, and their electives so planned as to include several courses in the field of the social sciences and humanities.

**First Year.**

- Biology 3, 4; Chemistry 1, 2; composition; a foreign language.

**Second Year**

First Semester: Biology 105; Chemistry 55; Mathematics 1, if necessary; a foreign language.

Second Semester: Biology 106 or 116; Chemistry 56; a foreign language; electives 3 to 5 hours.

**Third Year**

First Semester: Chemistry 51; Physics 1; Psychology 51; English Literature 51.

Second Semester: Biology 106 or 116; Physics 2; English Literature 52, if desired; electives 3 to 5 hours.

**Fourth Year**

First Semester: Philosophy 51, 54; Sociology 51; Biology 109; Chemistry 107; electives 5 to 6 hours.

Second Semester: Chemistry 108; electives 12 to 13 hours. Electives should be chosen in accordance with the requirements of the medical school selected, as well as with the requirements for graduation from this college.

**PERSONNEL**

The field of personnel training is receiving increased attention from industrialists and educators. Personnel work deals with human relations in the workaday world. Personnel departments are maintained today in many business and industrial organizations; also in governmental, educational, and social welfare agencies employing a considerable number of people. Through the use of interviews, tests, ratings, and performance studies, individuals are selected for, placed in, and transferred to and from jobs on the basis of their interests, abilities, education and experience. A student who is interested in doing personnel work upon graduation will find that Kalamazoo College offers a number of very helpful courses in the fields of psychology, political science, economics and sociology. A knowledge of personnel principles and methods is of very real value for all students planning to enter industry, business, social welfare work, education, or administrative work of any kind. Students are urged to counsel with the heads of the departments mentioned above as to a choice of courses in this field. They are reminded that group majors may be worked out for such related fields as economics and sociology, political science and economics, political science and sociology, with a minor in psychology. Among the courses which would be of value to students in these or related fields may be listed the following as possibilities: Labor Problems, Psychology of Personnel Management, Administration, etc. Kalamazoo College has planned its courses dealing with personnel problems in such a way as to provide a broad general basis of preliminary training which will serve as the foundation for an intelligent guidance and counsel training program.

**NURSING**

A few nursing schools now require the satisfactory completion of a college course leading to the Bachelor's degree. An increasing number require the satisfactory completion of two or more years of college work. College courses which furnish a sound background for nursing are those in chemistry, biology, psychology, English, speech, and sociology. Courses in philosophy, education, economics, history, modern languages, and appreciation of art and music should also be included. Abundant opportunities exist on a small college campus for the development of those qualities of temperament and personality which are essential in nursing, such as tact, constructive sympathy, resourcefulness, and adaptability.
of the background afforded by history, the meanings and values afforded by philosophy, the findings of psychology, the theories and methods of investigation developed by sociology, economics and political science. This program is based upon the unity of the social sciences.

SOCIAL WORK

This is a growing profession for men and women. It includes social case work, social group work, community organization, public welfare administration, and social research. Each of these divisions represents a variety of specialties. Many social work positions are available to qualified college graduates. Others require additional preparation in graduate schools of social work. Those planning to enter social work as a profession should make their desire known to their counselors when electing their college courses.

All students intending to prepare for any branch of social work should fulfill the fundamental College requirements in composition, modern language, and laboratory science, in the first two years. In the sophomore year they should elect introductory courses in sociology, and in at least one other social science, or in psychology. The requirement of six semester hours in Division III should be completed in the sophomore or junior year. Major concentration in sociology, and minor concentration in other departments, should be undertaken in the junior and senior years. Individual counsel and objective tests are provided to assist students in determining their interests and aptitudes for specific vocations in social work. All majors in the Department of Sociology are expected to do supervised field work in the community.

The College is a member of the National Association of Schools of Social Administration and its undergraduate social work curriculum is approved by that organization.

TEACHING

Every state requires a teaching certificate of those who teach in its public schools. Such certificates are issued by the various states to those who have completed the requirements set by state authorities. Although such requirements differ, in general all candidates for a teacher's certificate must complete academic majors and minors of subjects taught in the school. They must also complete specified hours in education.
Candidates for certification in any state must plan a well-rounded program of academic and professional courses in relation to the state requirements. They should also select carefully, and participate in, a reasonable number of campus and community activities which will give them experience in working with and organizing groups of young people of school age.

By careful planning, most students will be able to meet the requirements of the state in which they wish to teach. All candidates for certification should confer with the Director of Teacher Education as early as possible, preferably in the freshman year, to outline a program to meet the requirements of the certifying agency and of the college.

Degrees, Honors, and Prizes

DEGREES CONFERRED
1949

Master of Arts
Charles E. Starbuck
Wayne Stone
Henry Clarence Thole

Master of Science
William Garbrecht
John Leslie White

Bachelor of Arts

George Dean Arenud Kalamazoo
Bruce David Bauer Hazel Park
Leonard Charles Becker Vicksburg
Alan Robey Beebe Battle Creek
*Robert David Birkenmeyer Chicago, Ill.
Esther Margaret Bisbee Grand Rapids
Donald Jack Blakeslee Kalamazoo
Eleanor L. Born Muskegon
Bruce Merritt Bowman Kalamazoo
Gerard Charles Brennan Dearborn
Rex Allan Broyles Kalamazoo
Dorothy Jane Burgess Mishawaka, Ind.
Donald Gordon Burnett Birmingham
Sharon Joanne Burnham Brooklyn, N. Y.
Caroline Elizabeth Burns Garden City, N. Y.
Paul Joseph Carpenter Kalamazoo
Richard Hale Carrington Ft. Wayne, Ind.
Mary Margaret Cell Flint
Florence Virginia Chisholm Kalamazoo
George Maurice Christensen Floral Park, N. Y.
Nancy Elizabeth Gilley Cement City
Benjamin George Collins Detroit
Betty Lou Colvin (Cum Laude) Berrien Springs
Irene Sylvia Currie South Bend, Ind.
Warren Frederick David (Cum Laude) Bryn Athyn, Pa.
Ralph Lloyd Deal Kalamazoo

*Completed their work in summer school.
DEGREES, HONORS, AND PRIZES

Geraldine Virginia Lee........................................... Detroit
Harry Lieffers, Jr.............................................. Grand Rapids
Kenneth Harry Liggett......................................... Kalamazoo
John Hadar Lundblad.......................................... Detroit
Robert W. Mallory.............................................. Birmingham
Phillip Warren Mange (Magna Cum Laude).................. Kalamazoo
Jack A. Marlette................................................ Huntington, Ind.
Donald Thurston McMurray................................. Western Springs, Ill.
Richard Meyerson.............................................. Dayton, Ohio
John Sarkis Nahikian.......................................... Allegan
Evelyn Louise Nelson.......................................... South Bend, Ind.
Robert William Newland (Cum Laude)....................... Kalamazoo
Thomas Tyrrell Nowlen........................................ Benton Harbor
Verdonna Gail Peterson....................................... Hammond, Ind.
Georgine Phillips................................................ Chicago, Ill.
Robert Ralph Pitcher.......................................... Kalamazoo
Joseph Pizzat.................................................... Erie, Pa.
Rita Metzger Plantefaber....................................... Kalamazoo
Carol Louise Fletcher.......................................... Nappanee, Ind.
Marion Elizabeth Poller......................................... Livingston, N. J.
John Relley Powell (Magna Cum Laude)..................... Grand Rapids
Lucy Ann Purnell................................................ Royal Oak
*Robert Rans...................................................... Oak Park, Ill.
Joan M. Reade.................................................... Kalamazoo
Kathryn Louise Rice............................................ Dunbar, W. Va.
Jean Margot Richardson...................................... Kalamazoo
Herman A. Roband.............................................. St. Joseph
Paul Howard Roberts.......................................... Chicago, Ill.
Harold Valentine Roehm........................................ Pleasant Ridge
Harry Stewart Spencer Ross.................................. Benton Harbor
Kendrith Martin Rowland...................................... Kalamazoo
Romayne Elizabeth Rubson..................................... Milwaukee, Wis.
Berdena Thress Rust............................................. Kalamazoo
Glenmon Joseph Ryan.......................................... Grand Rapids
Patricia Helen Schillinger.................................... Chicago, Ill.
Joanne Elizabeth Schrier...................................... Kalamazoo
Janet Ann Sharpe................................................ Hastings
Joan Elizabeth Sharpsteen.................................... South Bend, Ind.
Oliver Ralph Siewert............................................ St. Joseph
Virginia Irene Sikkenga........................................ Montague
Jean Frances Simon............................................. Kalamazoo
Bill Burton Smith (Cum Laude)................................ Kenilworth, Ill.

*Completed their work in summer school.
HONORS FOR THE YEAR 1948-49

Walter Marion Brylowski
Nancy Marie Cross
Richard Dam
Gladys Le Vin De Golia
Charles Whitaker Gore, Jr.
Helen Jean Keating
Dennis Elliott Kring
Donna Mae Legerstee
Yvonne Dee Lindsay
Lynn Wellington May

John Nelson Pichon
Clair Worst Pike
Rosalynde Jane Ramseyer
Melvin Le Roy Reed
Jean Eleanor Smith
Arthur Donaldson Spence
Joyce Elizabeth Stowell
Sue Ann Strong
Ruth Mildred Szabo
James John Van Giesen

HIGH HONORS FOR THE YEAR 1948-49

Norman Lee Armstrong
William G. Bunto
Edward Rouann Carter
William Thomas Chambers
Robert Merrill Cross
John Lawrence Foster
Hugh John Kennedy, Jr.
Alice Louise Koning
Louise Jean Lacey

John Henry Leddy
Mary Alice Liggett
Wayne Edward Magee
Marvin Clark Mertz
Donald Mitchell Pollie
Patricia Clara Rohloff
Frances Jane Tyndal
Robert Charles Walker

DEGREES, HONORS, AND PRIZES

PHI KAPPA ALPHA

Class of 1950
*Norman Lee Armstrong
*William G. Bunto
Walter Marion Brylowski
*William Thomas Chambers
Nancy Marie Cross
Robert Merrill Cross
*Donna Mae Legerstee
*Clair Worst Pike
Donald Mitchell Pollie
Patricia Clara Rohloff

* Became members as juniors.

ALPHA LAMBDA DELTA

Joan Mildred Dymmel
Carol Ruth Georgi
Wilma Louise Haack
Marilyn Jane Jager

PRIZES 1948-49

O. M. Allen Prize for Freshman Essay
John Lawrence Foster

Charles Cooper Prize in Oration
Robert Adams Burchfiel
Elizabeth Helen Osborn

LeGrand A. Copley Prize in French
Mary Alice Liggett

William G. Howard Prize in Economics
Robert William Newland

William G. Howard Prize in Political Science
George Albert Grabarek

Winifred Peake Jones Prize in Biology
John Arthur Avery

Kalamazoo College Athletic Association Medal
George Albert Grabarek

Sherwood Prize in Freshman Declamation
John Lawrence Foster
Roster of Students

1949-50

Graduates

- Birkenmeyer, Robert David __________ Chem. __________ Chicago, Ill.
- Danielson, William Fabian, Jr. __________ Pol. Sci. __________ Grand Rapids
- Grabarek, George Albert __________ Pol. Sci. __________ South Bend, Ind.
- Johnson, Walter Warren __________ Econ. __________ Kalamazoo
- Jurgensen, John Anson __________ Econ. __________ Kalamazoo
- Newland, Robert William __________ Econ. __________ Kalamazoo
- Pizzat, Joseph __________ Art __________ Erie, Pa.
- Trump, Jack Allan __________ Soc. __________ Battle Creek

Seniors

- Abbott, John Sheldon __________ Bio. & Chem. __________ Grosse Pointe
- Albetti, Leo __________ Chem. __________ Maywood, Ill.
- Allen, Bradley Moore __________ Bio. __________ Kalamazoo
- Archer, Wesley Lea __________ Chem. __________ Kalamazoo
- Armstrong, Florence Irma __________ Span. __________ Brooklyn, N. Y.
- *Armstrong, Norman Lee __________ Phil. & Rel. __________ Green Lake, Wis.
- Bachelder, Millard John __________ Chem. __________ Kalamazoo
- Barnes, Charles Wilson __________ Econ. __________ Kalamazoo
- Barnes, Dona Ruth __________ Bio. __________ Kalamazoo
- Beebe, Ralph Travis __________ Econ. __________ Kalamazoo
- Berry, George William __________ Speech __________ Birmingham
- Blymeir, Florence Mary __________ Soc. __________ Grand Rapids
- Borough, William Lorris __________ Chem. __________ South Bend, Ind.
- Bos, William, Jr. __________ Phys. Ed. __________ North Muskegon
- Bourgeois, Alvin Roland __________ Econ. __________ Ferndale
- Brattstrom, Marilyn Corinne __________ Eng. & Psych. __________ Chicago, Ill.
- Brink, Donald Deloss __________ Speech __________ Galesburg
- Broholm, Richard Reese __________ Hist. __________ Detroit
- Brown, Harry Lincoln __________ Econ. __________ Otsego
- *Brylowski, Walter Marion __________ Eng. __________ Kalamazoo
- Bulson, Roy Irving __________ Chem. __________ Jackson
- Bungert, John Goewey __________ Chem. __________ South Bend, Ind.
- *Bunton, William G. __________ Bio. __________ Kalamazoo
- Burchfield, Robert Adams __________ Econ. __________ Plainwell

*Class Honor List: Students who rank in the upper ten per cent of their class.
Honor List: Students who rank in the upper ten per cent of their class.
**Honor List:** Students who rank in the upper ten per cent of their class.

<table>
<thead>
<tr>
<th>Name</th>
<th>Major</th>
<th>Institution</th>
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<tbody>
<tr>
<td>Stickan, Virginia Ann</td>
<td>Spanish</td>
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<tr>
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<td>Rohloff, Patricia</td>
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<td>Rohloff, Paul Fred</td>
<td>History</td>
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<td>Eng. Lit.</td>
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<td>Schau, Marshall George</td>
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<td>Kalamazoo</td>
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<td>Psych. &amp; Soc. Galesburg</td>
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<td>Ft. Wayne, Ind.</td>
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<td>Kalamazoo</td>
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**Class Honor List:** Students who rank in the upper ten per cent of their class.

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*Class Honor List: Students who rank in the upper ten per cent of their class.*
*Class Honor List: Students who rank in the upper ten per cent of their class.
## Class Honor List

Students who rank in the upper ten per cent of their class.

### Sophomores

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### Juniors

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*Class Honor List: Students who rank in the upper ten per cent of their class.
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*Class Honor List: Students who rank in the upper ten per cent of their class.
### ROSTER OF STUDENTS

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**Freshmen**

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*Class Honor List: Students who rank in the upper ten per cent of their class.*

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- Nelson, Richard Leonard      | South Bend, Ind.        |
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- Nye, Almonte Everett III    | Kalamazoo               |
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- Pelto, Maurice Sherman       | Battle Creek            |
- Pettrilli, Anthony David     | Grand Rapids            |
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**Special Students**

- Brad, George
- Chang, Hwei Ju
- Drag, Chester Joseph
- Froom, Thomas Walter
- Greene, Lawrence Conde
- Martin, L. Ione
- Mitchell, Dorothy Marion
- Parler, Claire P.
- Perkins, James Alfred
- Rosenbaum, Louis II
- Steurer, John, Jr.
- Strumpfer, Doris Wood
- Strumpfer, Robert Dale
- Wagner, Evelyn J.
- White, Robert Avery

**Summary**

- Class: 443
- Women: 219
- Total: 662
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LEGAL FORM OF DEEDS AND BEQUESTS

A deed to the College should be of the same form as a deed to a natural person, except that the correct name of the College should be inserted as the grantee. The name is “The Kalamazoo College.” For the sake of identification it would be well to make the name of the grantee in the deed as follows: “The Kalamazoo College, a corporation organized and existing under the laws of the State of Michigan, and located at the City of Kalamazoo in said State.”

A bequest in a will would be legally correct if it read as follows: “I give, devise, and bequeath unto The Kalamazoo College, a corporation organized under and by virtue of the laws of the State of Michigan and located in the City of Kalamazoo, in said State, the sum of ____________________ Dollars.”

If it is desired to bequeath real estate or personal property other than money, the description of the real estate or the personal property should be in the place of the specific sum of money.

PRELIMINARY APPLICATION
Kalamazoo College

Your cooperation in submitting the information requested on this blank will enable the Office of Admissions to assist you with your plans for college.

Mr.
Name: Miss

<table>
<thead>
<tr>
<th>Last Name</th>
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<th>Other Names</th>
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Telephone No. ____________________________

Home Address

Number and Street ____________________________
City ____________________________ State ____________________________

Father’s name (or guardian) ____________________________

Father’s occupation ____________________________

Your religious affiliation or preference ____________________________ Race ____________________________

High school attended ____________________________

Name ____________________________ Date of Graduation ____________________________

Estimated grade average ________ Number in graduating class ________

Approximate rank in class ________ Did you complete a college preparatory course? ________

Career or special interests ____________________________

Previous college attendance ____________________________

Name of College ____________________________

Credit Hrs. ____________________________ Grade Aver. ____________________________

Have you applied for admission to other colleges? ________

If so, what colleges? ____________________________

Has any application been rejected? ________

When you do plan to enter college? ____________________________

Have you any specific questions? ____________________________

Return to: Office of Admissions
Kalamazoo College, Kalamazoo 49, Michigan

Date ____________________________
ADMISSIONS STAFF

Robert W. Braithwaite, Director of Admissions, Kalamazoo College
Jacqueline Buck, Assistant Director of Admissions, Kalamazoo College

Admissions Counselors:

Shirley Ellis, Kalamazoo College
Esther A. Anderson, '44, 3685 38th St., N. W., Washington, D. C.
Richard R. Broholm, '50, 16129 Greenview Ave., Detroit, Michigan.
Virginia Taylor Hiley, '44, 434 Hallock St., Pittsburgh, Pa.
Gregory Sloan, 815 N. Stone St., La Grange, Illinois.
James Tuma, '42, 207 Prospect Drive, Mishawaka, Indiana.