1961-63
General Catalog
BULLETIN

OREHEAD STATE COLLEGE

MOREHEAD, KENTUCKY

- AGRICULTURE
- ART
- BIOLOGY
- CHEMISTRY
- COMMERCE
- DRAMA
- ECONOMICS
- EDUCATION
- ENGLISH
- FOREIGN LANGUAGES
- GEOGRAPHY
- GEOLOGY
- HEALTH
- HISTORY
- HOME ECONOMICS
- INDUSTRIAL ARTS
- MATHEMATICS
- MEDICAL TECHNOLOGY
- MUSIC
- NURSING
- PHILOSOPHY
- PHYSICAL EDUCATION
- PHYSICS
- POLITICAL SCIENCE
- PRE-DENTISTRY
- PRE-ENGINEERING
- PRE-FORESTRY
- PRE-LAW
- PRE-MEDICINE
- PRE-VETERINARY
- RECREATION
- SOCIOLOGY
- SPEECH

BULLETIN

OF

Morehead State College

MOREHEAD, KENTUCKY

GENERAL CATALOG

1961-62

1962-63

MEMBER

Kentucky Association of Colleges, Elementary and Secondary Schools

Southern Association of Colleges and Secondary Schools

American Association of Colleges for Teacher Education

American Council on Education

National Council for Accreditation of Teacher Education

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Table of Contents

	Page
College Calendar, 1961-62	1
College Calendar, 1962-63	2
Board of Regents	3
Administrative Staff	4
The Faculty	6
Committees	20
General Information	21
Instruction to Students	27
Information of Particular Interest to Freshmen	45
Auxiliary Agencies	48
Student Organizations	52
Degrees and Certificates	58
Division Offerings	75
Index	261

College Calendar, 1961-62

FIRST SEMESTER

September 9	Saturday	Registration of part-time students for night and Saturday classes.
September 11	Monday	Freshman Orientation begins. (All freshmen are expected to report at Button Auditorium at 9:00 A.M.)
September 13 and 14	Wednesday and Thursday	Freshman registration.
September 15	Friday	Registration of upperclass students.
September 18	Monday	Classes begin. Last day to register for full load.
September 23	Saturday	Last day to register for credit.
October 9	Monday	Students who drop courses after this date automatically receive marks of "E" in the courses dropped.
October 16	Monday	Freshman grade reports to the Dean of the College.
November 13	Monday	Mid-term grade reports to the Registrar.
November 22	Wednesday	Thanksgiving holiday begins at 11:35 A.M.
November 27	Monday	Class work resumed at 7:45 A.M.
December 19	Tuesday	Christmas holiday begins at 4:00 P.M.
January 3	Wednesday	Class work resumed at 7:45 A.M.
January 22	Monday	Final examinations begin.
January 25	Thursday	All grades due in the Registrar's office at 3:00 P.M.
January 27	Saturday	First semester closes.

SECOND SEMESTER

January 27	Saturday	Registration of part-time students for night and Saturday classes.
January 31	Wednesday	Orientation of new students.
February 1	Thursday	Registration of freshmen.
February 2	Friday	Registration of upperclass students.
February 5	Monday	Classes begin. Last day to register for full load.
February 10	Saturday	Last day to register for credit.
February 26	Monday	Students who drop courses after this date automatically receive marks of "E" in the courses dropped.
April 2	Monday	Mid-term grade reports to the Registrar.
April 4	Wednesday	Spring vacation begins at 11:35 A.M.
April 9	Monday	Class work resumed at 7:45 A.M.
May 30	Wednesday	Final examinations begin.
June 2	Saturday	Second Semester closes.

SUMMER TERM

June 11	Monday	Registration for the summer term.
August 3	Friday	Summer term closes.

College Calendar, 1962-63

FIRST SEMESTER

September 8	Saturday	Registration of part-time students for night and Saturday classes.
September 10	Monday	Freshman Orientation begins. (All freshmen are expected to report at Button Auditorium at 9:00 A.M.)
September 12 and 13	Wednesday and Thursday	Freshman registration.
September 14	Friday	Registration of upperclass students.
September 17	Monday	Classes begin. Last day to register for full load.
September 22	Saturday	Last day to register for credit.
October 8	Monday	Students who drop courses after this date automatically receive marks of "E" in the courses dropped.
October 15	Monday	Freshman grade reports to the Dean of the College.
November 12	Monday	Mid-term grade reports to the Registrar.
November 21	Wednesday	Thanksgiving holiday begins at 11:35 A.M.
November 26	Monday	Class work resumed at 7:45 A.M.
December 19	Wednesday	Christmas holiday begins at 4:00 P.M.
January 3	Thursday	Class work resumed at 7:45 A.M.
January 21	Monday	Final examinations begin.
January 24	Thursday	All grades due in the Registrar's office at 3:00 P.M.
January 26	Saturday	First semester closes.

SECOND SEMESTER

January 26	Saturday	Registration of part-time students for night and Saturday classes.
January 30	Wednesday	Orientation of new students.
January 31	Thursday	Registration of freshmen.
February 1	Friday	Registration of upperclass students.
February 4	Monday	Classes begin. Last day to register for full load.
February 9	Saturday	Last day to register for credit.
February 25	Monday	Students who drop courses after this date automatically receive marks of "E" in the courses dropped.
April 1	Monday	Mid-term grade reports to the Registrar.
April 17	Wednesday	Spring vacation begins at 11:35 A.M.
April 22	Monday	Class work resumed at 7:45 A.M.
May 29	Wednesday	Final examinations begin.
June 1	Saturday	Second Semester closes.

SUMMER TERM

June 10	Monday	Registration for the summer term.
August 2	Friday	Summer term closes.

Board of Regents

WENDELL P. BUTLER ..... Frankfort, Kentucky
State Superintendent of Public Instruction,
ex officio chairman

W. H. CARTMELL ..... Maysville, Kentucky

ALEX S. CHAMBERLAIN ..... Louisville, Kentucky

CHARLES W. GILLEY ..... Winchester, Kentucky

J. T. HYDEN ..... Martin, Kentucky

B. F. REED ..... Drift, Kentucky

E. BRUCE WALTERS ..... Pikeville, Kentucky

OFFICERS OF THE BOARD

WENDELL P. BUTLER ..... Chairman

W. H. CARTMELL ..... Vice-Chairman

ANNA B. CARTER ..... Secretary

CHARLES W. GILLEY, Representative of the Board of Regents on the Council on Public Higher Education

Administrative Staff

ADRON DORAN ---------- *President*
WARREN C. LAPPIN ---------- *Dean of the College*
PALMER L. HALL ---------- *Director of Graduate Study*
HAZEL WHITAKER ---------- *Director of Training School*
MONROE WICKER ---------- *Director of School Services*
ROBERT E. WOOSLEY ---------- *Director of In-Service Education*
IONE M. CHAPMAN ---------- *Librarian*
W. H. RICE ---------- *Superintendent of Buildings and Grounds*
RAY HORNBACK ---------- *Director of Public Relations*
B. J. HALL ---------- *Director of Alumni Relations*

STUDENT PERSONNEL SERVICES

ROGER L. WILSON ---------- *Dean of Students*
EARLYNE SAUNDERS ---------- *Associate Dean of Students*
KATE B. HILL ---------- *Fields Hall*
MARY A. WATSON ---------- *Allie Young Hall*
NELL R. HARDING ---------- *Thompson Hall*
J. T. MAYS ---------- *East Men's Hall*
WILLIAM C. HAMPTON ---------- *North Men's Hall*
MICHAEL DUDLEY ---------- *Lakewood Terrace*
WILLIAM J. MACK ---------- *Doran Student House*
WILMA CAUDILL ---------- *School Nurse*

REGISTRAR'S OFFICE

LINUS A. FAIR ---------- *Registrar*
MARY ELLA WELLS ---------- *Assistant Registrar*
CATHERINE BACH ---------- *Clerk*

BUSINESS OFFICE

HERBERT H. HOGAN ---------- *Business Manager*
ROBERT W. STOKES ---------- *Assistant Business Manager*
LAURA PREWITT ---------- *Cashier*
DONNA HASTINGS ---------- *Order Writer*
BETTY HILL ---------- *Machine Operator*
JEAN WELLS ---------- *Inventory Clerk*
MILDRED TUCKER ---------- *Telephone Operator*
JOHN E. COLLIS ---------- *Bookstore Manager*
CHARLES PACK ---------- *Cafeteria Director*

SECRETARIES AND STENOGRAPHERS

JOYCE G. HART—*President's Office*
ROBBIE C. RIFFE—*President's Office*
ANNA LEE BAYS—*Office of Dean of the College*
MARY K. SLATER—*Office of Dean of Students*
VIRGINIA CAUDILL—*Business Office*
GRETA CARPENTER—*Registrar's Office*
BARBARA WALLS—*Training School*
JOYCE B. CHANEY—*Public Relations*
VERA SUBLETT—*School Services*
V. JEAN MARTIN—*School Services*
CHLOE JEAN BUTLER—*Library*
BETTY PHILLEY—*Division of Applied Arts*
PATSY M. KNIGHT—*Division of Education*
T. DOREEN ROE—*Division of Fine Arts*
JEWELL ERWIN—*Division of Health and Physical Education*
LORLA S. CHUMLEY—*Division of Languages and Literature*
JOAN SHY—*Division of Science and Mathematics*
ANNA B. CARTER—*Alumni Office*

The Faculty

ADRON DORAN, B.S., A.M., Ed.D.——*President*
B.S., Murray State College, 1932
A.M., Murray State College, 1948
Ed.D., University of Kentucky, 1950
Morehead State College since 1954

JOHN E. ALLEN, JR., A.B., A.M.——*Assistant Professor of Education, Supervising Teacher in Physical Education*
A.B., Morehead State College, 1950
A.M., Morehead State College, 1955
Morehead State College since 1954

JAMES P. ANDERSON, A.B., A.M.——*Instructor in Art*
A.B., Eastern New Mexico University, 1954
A.M., Hardin-Simmons University, 1960
Morehead State College since 1960

MARY TUTTLE ANDERSON, B.E., A.M.——*Assistant Professor of Education, Supervising Teacher Fourth Grade*
B.E., Normal University (Illinois), 1937
A.M., Teachers College, Columbia University, 1944
Morehead State College since 1952

ROSS C. ANDERSON, B.S., A.M.——*Associate Professor of Commerce, Head of Department*
B.S., Eastern (Ky.) State College, 1933
A.M., University of Kentucky, 1938
Morehead State College since 1938

CHARLES E. APEL, A.B., B.S., M.S.——*Associate Professor of Commerce*
A.B., Wesley College, 1925
B.S., University of North Dakota, 1925
M.S., University of North Dakota, 1926
Morehead State College since 1948

GABRIEL C. BANKS, A.B., B.D., A.M.——*Associate Professor of English*
A.B., Transylvania College, 1917
B.D., College of the Bible, 1921
A.M., Yale University, 1924
Morehead State College since 1936

MABEL WILLIAMS BARBER, A.B., A.M.——*Instructor in Education, Supervising Teacher in Social Science*
A.B., Morehead State College, 1938
A.M., Morehead State College, 1957
Morehead State College since 1960

JAMES ROSS BEANE, B.M., M.M.—*Assistant Professor of Music*
B.M., Stetson University, 1957
M.M., Louisiana State University, 1959
Morehead State College since 1959

EARL J. BENTLEY, B.S., M.S.—*Instructor in Physical Education*
B.S., Troy State College, 1955
M.S., University of Tennessee, 1956
Morehead State College since 1959

MARGUERITE BISHOP, B.S., B.S. in Lib. Sci.—*Assistant Librarian*
B.S., Morehead State College, 1935
B.S., Columbia University, 1940
Morehead State College since 1930

SUZANNE BRADLEY BOGGS, A.B., A.M., M.S. in Lib. Sci.—*Instructor in Library Science, Training School Librarian*
A.B., Morehead State College, 1953
A.M., Morehead State College, 1955
M.S. in Lib. Sci., University of Kentucky, 1958
Morehead State College since 1958

PATTI BOLIN, A.B., B.S., A.M.—*Associate Professor of Home Economics, Head of Department*
A.B., Western (Ky.) State College, 1928
B.S., Western (Ky.) State College, 1931
A.M., University of Kentucky, 1938
Morehead State College, 1940-46, and since 1948

GEORGE WORLEY BOSWELL, A.B., A.M., Ph.D.—*Professor of English, Chairman of Division of Languages and Literature*
A.B., Vanderbilt University, 1939
A.M., Vanderbilt University, 1940
Ph.D., George Peabody College, 1951
Morehead State College since 1960

RUSSELL BOYD, A.B., A.M.—*Instructor in Education*
A.B., Morehead State College, 1938
A.M., University of Kentucky, 1952
Morehead State College since 1960

DALE G. BREADEN—*Instructor in History*
A.B., University of Kentucky, 1958
A.M., The Johns Hopkins University, 1961
Morehead State College since 1961

HENRY AMES CAREY, A.B., A.M., Ph.D.—*Professor of Economics and Sociology, Head of Department*
A.B., University of California, 1922
A.M., University of California, 1925
Ph.D., Columbia University, 1931
Morehead State College since 1944

IRA T. CAUDILL, B.S., A.M.—*Instructor in Education, Supervising Teacher of Mathematics*
B.S., Morehead State College, 1931
A.M., Morehead State College, 1954
Morehead State College since 1957

THELMA C. CAUDILL, A.B., A.M.—*Instructor in Education*
A.B., Morehead State College, 1938
A.M., Morehead State College, 1957
Morehead State College since 1958

IONE M. CHAPMAN, A.B., A.M., B.S. in Lib. Sci.—*Assistant Professor of Library Science, Librarian*
A.B., University of Illinois, 1925
A.M., Columbia University, 1928
B.S., University of Illinois, 1944
Morehead State College since 1946

NAOMI CLAYPOOL, A.B., A.M.—*Associate Professor of Art, Head of Department*
A.B., University of Kentucky, 1930
A.M., Teachers College, Columbia University, 1932
Morehead State College since 1925

MONA ROE COMBS, A.B., A.M.—*Instructor in English*
A.B., Morehead State College, 1941
A.M., Morehead State College, 1958
Morehead State College since 1959

LAREDO DOROTHY CONLEY, A.B., A.M.—*Assistant Librarian*
A.B., Morehead State College, 1956
A.M., Morehead State College, 1959
Morehead State College since 1959

ALEX D. CONYERS, B.S., M.B.A.—*Instructor in Commerce*
B.S., University of Kentucky, 1954
M.B.A., University of Kentucky, 1958
Morehead State College since 1958

EDITH PREWITT CONYERS, A.B., M.B.A.—*Instructor in Commerce*
A.B., Kentucky Wesleyan College, 1951
M.B.A., University of Kentucky, 1959
Morehead State College since 1959

LAKE CORNETT COOPER, A.B., A.M.—*Assistant Professor of Mathematics*
A.B., Morehead State College, 1945
A.M., Morehead State College, 1947
Morehead State College since 1956

ALICE EVELYN COX, B.S., A.M.—*Assistant Professor of Commerce*
B.S., University of Kentucky, 1937
A.M., University of Kentucky, 1948
Morehead State College since 1948

LORENE SPARKS DAY, A.B., A.M.—*Assistant Professor of English*
A.B., Kentucky Wesleyan College, 1929
A.M., Teachers College, Columbia University, 1932
Morehead State College since 1930

SAM J. DENNEY, A.B., A.M.—*Assistant Professor of Education, Supervising Teacher in English*
A.B., University of Kentucky, 1928
A.M., University of Kentucky, 1932
Morehead State College since 1936

SHIRLEY RUDD DUNAGAN, B.S., M.S.—*Instructor in Home Economics*
B.S., University of Tennessee, 1953
M.S., University of Tennessee, 1954
Morehead State College since 1960

TOMMY T. DUNAGAN, B.S., M.S., Ph.D.—*Assistant Professor of Biology*
B.S., Texas A&M College, 1953
M.S., Texas A&M College, 1955
Ph.D., Purdue University, 1960
Morehead State College since 1960

JOHNSON E. DUNCAN, B.M.E., M.M., Ph.D.—*Professor of Music, Chairman of Division of Fine Arts*
B.M.E., Northwestern University, 1941
M.M., Northwestern University, 1946
Ph.D., George Peabody College, 1953
Morehead State College since 1956

MARGARET GRIFFITHS DUNLAP, B.S., M.E.—*Assistant Professor of Physical Education*
B.S., Slippery Rock State Teachers College, 1935
M.E., University of Pittsburgh, 1939
Morehead State College since 1960

THELMA EVANS, A.B., A.M.—*Assistant Professor of Education, Supervising Teacher First Grade*
A.B., University of Kentucky, 1930
A.M., University of Kentucky, 1940
Morehead State College since 1943

WILHELM EXELBIRT, Ph.D.—*Professor of History*
Ph.D., University of Vienna, 1929
Morehead State College since 1948

LINUS A. FAIR, A.B., A.M.—*Associate Professor of Mathematics, Registrar*
A.B., Arkansas State Teachers College, 1925
A.M., George Peabody College, 1930
Morehead State College since 1932

NEVILLE FINCEL, A.B., A.M.—*Assistant Professor of Economics*
A.B., University of Kentucky, 1921
A.M., University of Kentucky, 1932
Morehead State College since 1930

NOLAN FOWLER, A.B., A.M., Ph.D.—*Associate Professor of History*
A.B., Marshall College, 1939
A.M., University of Kentucky, 1940
Ph.D., University of Kentucky, 1955
Morehead State College since 1943

ZENAS BRENT FRY, A.B., A.M.—*Assistant Professor of Speech*
A.B., Marietta College, 1953
A.M., Miami University, 1954
Morehead State College since 1959

ERCY GLENN FULBRIGHT, B.S., B.M., M.M.—*Assistant Professor of Music*
B.S., Abilene Christian College, 1947
B.M., Northwestern University, 1950
M.M., Indiana University, 1953
Morehead State College since 1960

LORIS DALE GALFORD, B.S., A.M.—*Assistant Professor of English*
B.S., Concord College, 1952
A.M., Louisiana State University, 1958
Morehead State College since 1960

JOHN P. GARTIN, B.S., A.M.—*Instructor in Geography*
B.S., Morehead State College, 1958
A.M., Morehead State College, 1959
Morehead State College since 1959

OCTAVIA GRAVES, A.B., A.M.—*Associate Professor of Education*
A.B., Morehead State College, 1938
A.M., George Peabody College, 1939
Morehead State College since 1946

C. NELSON GROTE, B.S., M.Ed., Ed.D.—*Associate Professor of Industrial Arts, Chairman of Division of Applied Arts*
B.S., Eastern Illinois University, 1950
M.Ed., University of Missouri, 1955
Ed.D., University of Illinois, 1960
Morehead State College since 1960

HENRY CLAY HAGGAN, B.S., M.S.—*Professor of Agriculture, Head of Department*
B.S., University of Kentucky, 1918
M.S., University of Kentucky, 1934
Morehead State College since 1923

ANNE LAM HALE, B.S., A.M.—*Assistant Professor of Home Economics*
B.S., Western (Ky.) State College, 1929
A.M., University of Kentucky, 1955
Morehead State College since 1955

BILLY JOE HALL, A.B., A.M.—*Instructor in Physical Education, Director of Alumni Affairs*
A.B., Morehead State College, 1957
A.M., Morehead State College, 1959
Morehead State College since 1959

OVAL BINGHAM HALL, B.S., A.M.—*Instructor in Education, Supervising Teacher of Music*
B.S., University of Kentucky, 1939
A.M., University of Kentucky, 1954
Morehead State College since 1957

PALMER L. HALL, A.B., A.M., Ed.D.—*Professor of Education, Director of Graduate Study*
A.B., Tusculum College, 1931
A.M., University of Kentucky, 1952
Ed.D., University of Kentucky, 1955
Morehead State College since 1957

WILLIAM CURTIS HAMPTON, A.B., A.M.—*Instructor in English*
A.B., Harding College, 1957
A.M., Harding College, 1959
Morehead State College since 1959

RONDAL D. HART, A.B., B.S., A.M.—*Instructor in Education, Supervising Teacher of Industrial Arts*
A.B., Morehead State College, 1957
B.S., Morehead State College, 1958
A.M., Morehead State College, 1958
Morehead State College since 1958

MARGARET B. HEASLIP, B.S., M.S., Ph.D.—*Professor of Biology*
B.S., Ohio State University, 1947
M.S., Ohio State University, 1948
Ph.D., Ohio State University, 1950
Morehead State College since 1955

ZADIA CARY HERROLD, B.S., A.M., P.E.D.—*Associate Professor of Physical Education, Chairman of Division of Health, Physical Education and Recreation*
B.S., Murray State College, 1949
A.M., Murray State College, 1951
P.E.D., Indiana University, 1956
Morehead State College since 1959

DONALD F. HOLLOWAY, A.B., A.M.—*Instructor in Speech and Dramatic Art*
A.B., Morehead State College, 1956
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Morehead State College since 1958

ORLEY I. HOLTAN, A.B., A.M.—*Instructor in Speech and Dramatic Art*
A.B., St. Olaf College, 1954
A.M., University of North Dakota, 1960
Morehead State College since 1960

RAYMOND R. HORNBACK, A.B.—*Instructor in Journalism, Director of Public Relations*
A.B., University of Kentucky, 1956
Morehead State College since 1956

KEITH HUFFMAN, A.B., A.M.—*Associate Professor of Music*
A.B., Morehead State College, 1943
A.M., University of Iowa, 1947
Morehead State College since 1947

*BERNICE H. JACKSON, A.B., A.M.—*Instructor in Education, Supervising Teacher Third Grade*
A.B., Morehead State College, 1947
A.M., Morehead State College, 1959
Morehead State College since, 1959

CRAYTON T. JACKSON, A.B., A.M., Ph.D.—*Associate Professor of Science*
A.B., Morehead State College, 1947
A.M., University of Kentucky, 1948
Ph.D., Cornell University, 1958
Morehead State College since 1958

CHARLES J. JENKINS, B.S., M.S.—*Assistant Professor of Chemistry*
B.S., Alabama Polytechnic Institute, 1951
M.S., Alabama Polytechnic Institute, 1955
Morehead State College since 1959

ALICE AVENELLE KAUFFMAN, B.S., M.S.—*Assistant Professor of Home Economics*
B.S., University of Wisconsin, 1927
M.S., Iowa State College, 1944
Morehead State College since 1957

ALLEN T. LAKE, B.S., Ed.M.—*Assistant Professor of Science*
B.S., Edinboro State Teachers College, 1949
Ed.M., University of Buffalo, 1950
Morehead State College since 1957

WARREN C. LAPPIN, A.B., A.M., Ed.D.—*Professor of Education, Dean of the College*
A.B., Transylvania College, 1920
A.M., University of Chicago, 1929
Ed.D., Indiana University, 1941
Morehead State College since 1923

ROBERT G. LAUGHLIN, A.B., A.M.—*Associate Professor of Physical Education, Director of Athletics*
A.B., Morehead State College, 1937
A.M., University of Kentucky, 1941
Morehead State College since 1935

*JOHN H. LAWTON, A.B., A.M., Ph.D.——*Assistant Professor of Speech*
A.B., Emerson College, 1937
A.M., Boston College, 1940
Ph.D., University of Iowa, 1957
Morehead State College since 1957

ROY C. LESTER, B.S., A.M.——*Instructor in Mathematics*
B.S., Western (Ky.) State College, 1958
A.M., Iowa State Teachers College, 1960
Morehead State College since 1960

ALEXANDER A. LESUEUR, B.M., M.M.——*Instructor in Music*
B.M., North Texas State College, 1949
M.M., North Texas State College, 1951
Morehead State College since 1959

JOAN KAVANAUGH LESUEUR, A.B., A.M.——*Instructor in Spanish*
A.B., University of Kentucky, 1951
A.M., University of Kentucky, 1954
Morehead State College since 1959

DONALD LOUGHRIE, A.B., A.M.——*Assistant Professor of Dramatic Art*
A.B., Shepherd College, 1951
A.M., Bowling Green State University, 1958
Morehead State College since 1960

BENJAMIN H. LYND, A.B., A.M.——*Instructor in Science*
A.B., Marshall College, 1951
A.M., Marshall College, 1955
Morehead State College since 1960

WILLIAM J. MACK, A.B., A.M.——*Assistant Professor of Physical Education, Director Doran Student House*
A.B., Morehead State College, 1947
A.M., University of Kentucky, 1948
Morehead State College since 1957

HILDRETH MAGGARD, A.B., A.M.——*Instructor in English*
A.B., Transylvania College, 1926
A.M., Teachers College, Columbia University, 1936
Morehead State College since 1958

FRANKLIN M. MANGRUM, A.B., Ph.D.——*Associate Professor of Philosophy*
A.B., Washington University, 1949
Ph.D., University of Chicago, 1957
Morehead State College since 1959

*Leave of Absence 1960-61

*DONALD L. MARTIN, B.S., M.S.—*Assistant Professor of Geography*
B.S., Southern Illinois University, 1952
M.S., Southern Illinois University, 1953
Morehead State College since 1957

MARY ANNE MARTIN, B.S., A.M.—*Instructor in Commerce*
B.S., Morehead State College, 1958
A.M., University of Kentucky, 1959
Morehead State College since 1959

FRED MARZAN, B.M., M.M.—*Assistant Professor of Music*
B.M., Eastman School of Music, 1952
M.M., University of Michigan, 1956
Morehead State College since 1956

ELIZABETH ELLIOTT MAYO, A.B., M.S.—*Assistant Professor of Mathematics and Physics*
A.B., Transylvania College, 1925
M.S., University of Chicago, 1926
Morehead State College since 1959

JESSE T. MAYS, A.B., A.M.—*Assistant Professor of Industrial Arts, Head of Department*
A.B., Union College, 1931
A.M., George Peabody College, 1933
Morehead State College since 1933

STANLEY BRUCE MCWHORTER, A.B., A.M.—*Instructor in English*
A.B., Transylvania College, 1954
A.M., University of Kentucky, 1956
Morehead State College since 1960

JUANITA MINISH, A.B., A.M.—*Assistant Professor of Education, Supervising Teacher of Foreign Languages*
A.B., Transylvania College, 1919
A.M., George Peabody College, 1930
Morehead State College since 1930

ETHEL J. MOORE, A.B., A.M.—*Assistant Professor of Latin*
A.B., Western (Ky.) State College, 1932
A.M., University of Kentucky, 1954
Morehead State College since 1955

ROBERT C. NEEDHAM—*Assistant Professor of Education*
A.B., Transylvania College, 1949
A.M., Morehead State College, 1957
Morehead State College since 1961

*Leave of Absence 1960-61

RONALD EUGENE NELSON, B.S., A.M.—*Instructor in Geography*
B.S., Southern Illinois University, 1957
A.M., Southern Illinois University, 1959
Morehead State College since 1960

HAZEL NOLLAU, B.S., M.S.—*Assistant Professor of Education, Supervising Teacher of Science*
B.S., University of Kentucky, 1934
M.S., University of Kentucky, 1935
Morehead State College since 1943

*MARY P. NORTHCUTT, A.B., A.M.—*Assistant Professor of Education, Supervising Teacher Second Grade*
A.B., Morehead State College, 1954
A.M., Morehead State College, 1955
Morehead State College since 1955

PAUL C. OVERSTREET, A.B., M.S.—*Associate Professor of Mathematics and Physics*
A.B., Asbury College, 1913
M.S., University of Iowa, 1925
Morehead State College since 1946

WILLIAM BURR OWSLEY, B.S., A.M., Ph.D.—*Professor of Biology, Chairman of Division of Science and Mathematics*
B.S., Western (Ky.) State College, 1931
A.M., Western (Ky.) State College, 1935
Ph.D., Ohio State University, 1945
Morehead State College since 1950

BEN KEATON PATTON, JR., A.B., A.M., Ph.D.—*Associate Professor of Education, Director of Testing Bureau*
A.B., Louisiana State University, 1946
A.M., University of Mississippi, 1950
Ph.D., Louisiana State University, 1958
Morehead State College since 1960

MARGARET DEROUEN PATTON, A.B., A.M., M.S.—*Assistant Librarian*
A.B., Louisiana State University, 1947
A.M., University of Mississippi, 1950
M.S., Louisiana State University, 1955
Morehead State College since 1960

ANN G. PEMBERTON, B.S., M.S.—*Assistant Profesor of Physical Education*
B.S., Tennessee Polytechnical Institute, 1953
M.S., George Peabody College, 1957
Morehead State College since 1957

GUY D. PENNY, B.S., A.M.—*Instructor in Physical Education*
B.S., University of Mississippi, 1950
A.M., University of Mississippi, 1958
Morehead State College since 1959

*Leave of Absence 1960-61

JOHN CALVIN PHILLEY, B.S., M.S.—*Instructor in Science*
B.S., Millsaps College, 1957
M.S., University of Tennessee, 1960
Morehead State College since 1960

TONEY C. PHILLIPS, A.B., A.M.—*Assistant Professor of Chemistry*
A.B., Athens College, 1937
A.M., George Peabody College, 1950
Morehead State College since 1951

ROSCOE PLAYFORTH, A.B., A.M., Ed.D.—*Associate Professor of Sociology*
A.B., Eastern (Ky.) State College, 1938
A.M., University of Kentucky, 1948
Ed.D., University of Kentucky, 1960
Morehead State College since 1957

SIBBIE PLAYFORTH, B.S., A.M.—*Assistant Librarian*
B.S., Union College, 1951
A.M., Morehead State College, 1960
Morehead State College since 1959

JAMES F. PRINCE, A.B., A.M.—*Instructor in English*
A.B., University of South Carolina, 1942
A.M., University of South Carolina, 1947
Morehead State College since 1957

CLIFFORD R. RADER, A.B., A.M., Ph.D.—*Professor of History and Government, Chairman of Division of Social Studies*
A.B., Eastern (Ky.) State College, 1934
A.M., University of Kentucky, 1937
Ph.D., University of Kentucky, 1945
Morehead State College since 1947

FRED D. RAGAN—*Instructor in History*
B.S., East Carolina College, 1959
A.M., East Carolina College, 1960
Morehead State College since 1961

VIRGINIA RICE, B.S., M.S.—*Assistant Professor of Education, Supervising Teacher of Home Economics*
B.S., University of Kentucky, 1927
M.S., University of Kentucky, 1952
Morehead State College since 1947

LEONARD ROBERTS, A.B., A.M., Ph.D.—*Professor of English*
A.B., Berea College, 1939
A.M., State University of Iowa, 1943
Ph.D., University of Kentucky, 1954
Morehead State College since 1958

NORMAN N. ROBERTS, B.S., M.S.—*Assistant Professor of Industrial Arts*
B.S., Morehead State College, 1950
M.S., The Stout Institute, 1951
Morehead State College since 1952

EARLYNE SAUNDERS, A.B., A.M.—*Instructor in Psychology, Associate Dean of Students*
A.B., Morehead State College, 1937
A.M., University of Kentucky, 1958
Morehead State College since 1958

VIOLET C. SEVERY, B.M., M.M.—*Assistant Professor of Music*
B.M., University of Redlands, 1934
M.M., University of Redlands, 1956
Morehead State College since 1956

THEODORE KING SHANE, A.B., A.M., Ph.D.—*Assistant Professor of History*
A.B., Ball State Teachers College, 1946
A.M., Indiana University, 1947
Ph.D., Indiana University, 1953
Morehead State College since 1960

ERA MAE SMELLEY, B.S., A.M.—*Assistant Professor of Education, Supervising Teacher Fifth Grade*
B.S., Stephen F. Austin State College, 1935
A.M., Stephen F. Austin State College, 1941
Morehead State College since 1948

EMMA CHARLINE SNEDEGAR, A.B., A.M.—*Instructor in Education, Supervising Teacher Second Grade*
A.B., Morehead State College, 1956
A.M., Morehead State College, 1960
Morehead State College since 1960

JOHN KESSLER STETLER, B.M., M.M.—*Instructor in Music*
B.M., Cincinnati Conservatory, 1951
M.M., University of Wichita, 1953
Morehead State College since 1959

ALBERT F. STEWART, A.B., A.M.—*Associate Professor of English*
A.B., Berea College, 1936
A.M., University of Kentucky, 1953
Morehead State College since 1956

CHAD LEE STEWART, B.S., M.S.—*Assistant Professor of Physical Education*
B.S., Murray State College, 1957
M.S., Indiana University, 1958
Morehead State College since 1960

LAWRENCE R. STEWART, A.B., A.M., M.Ed., Ed.D.—*Professor of Education, Chairman of Division of Professional Education*
A.B., Morehead State College, 1939
A.M., Marshall College, 1948
Ed.M., George Peabody College, 1954
Ed.D., George Peabody College, 1956
Morehead State College since 1958

STELLAROSE MARTIN STEWART, A.B., A.M.—*Instructor in Education, Supervising Teacher Third Grade*
A.B., Morehead State College, 1937
A.M., University of Kentucky, 1951
Morehead State College since 1960

NORMAN TANT, B.S., A.M., Ph.D.—*Professor of Education, Director of Visual Education*
B.S., State Teachers College (Jacksonville, Ala.), 1940
A.M., George Peabody College, 1948
Ph.D., George Peabody College, 1952
Morehead State College since 1952

VICTOR A. VENETTOZZI, A.B., A.M.—*Assistant Professor of English*
A.B., Eastern (Ky.) State College, 1952
A.M., Eastern (Ky.) State College, 1953
Morehead State College since 1960

ZELL S. WALTER, B.S., A.M., Ed.D.—*Professor of Education, Head of Department*
B.S., Ohio Northern University, 1925
A.M., University of Chicago, 1932
Ed.D., University of Cincinnati, 1942
Morehead State College since 1948

BLANCHE J. WALTZ, B.S., A.M.—*Assistant Professor of Education, Supervising Teacher Sixth Grade*
B.S., University of Louisville, 1929
A.M., Morehead State College, 1957
Morehead State College since 1953

NAN KARRICK WARD, A.B., A.M.—*Instructor in Physical Education*
A.B., Morehead State College, 1957
A.M., Morehead State College, 1960
Morehead State College since 1960

NONA BESS WATSON, A.B., A.M., B.S., in Lib. Sci.—*Assistant Librarian*
A.B., Union University, 1919
A.M., Teachers College, Columbia University, 1932
B.S., George Peabody College, 1943
Morehead State College since 1949

HARRY ALLEN WHARTENBY, A.B., A.M.—*Assistant Professor of French*
A.B., Temple University, 1950
A.M., University of North Carolina, 1957
Morehead State College since 1959

HAZEL WHITAKER, A.B., A.M.—*Assistant Professor of Education, Acting Director of Training School*
A.B., Morehead State College, 1940
A.M., Morehead State College, 1950
Morehead State College since 1950

MONROE WICKER, A.B., A.M.—*Associate Professor of Education, Director Bureau of School Service*
A.B., Tusculum College, 1930
A.M., University of Kentucky, 1940
Morehead State College since 1947

ELLA O. WILKES, B.S., M.S.—*Associate Professor of Geography, Head of Department*
B.S., George Peabody College, 1924
M.S., University of Chicago, 1931
Morehead State College since 1932

CLARICA WILLIAMS, A.B., B.S. in Lib. Sci., A.M.—*Assistant Professor of Library Science*
A.B., Eastern (Ky.) State College, 1936
B.S., University of Kentucky, 1946
A.M., George Peabody College, 1957
Morehead State College since 1950

ELECTA JANE WILLIAMSON, B.S., A.M., Ed.D.—*Assistant Professor of Physical Education*
B.S., University of Maryland, 1943
A.M., New York University, 1947
Ed.D., Colorado State College, 1959
Morehead State College since 1960

ROGER L. WILSON, A.B., A.M.—*Associate Professor of Education, Dean of Students*
A.B., Eastern (Ky.) State College, 1936
A.M., University of Kentucky, 1947
Morehead State College since 1953

*LESLIE E. WOELFLIN, A.B., A.M.—*Assistant Professor of Music*
A.B., Western (Ky.) State College, 1948
A.M., State University of Iowa, 1950
Morehead State College since 1956

CARL N. WOODS, A.B., A.M.—*Assistant Professor of History*
A.B., Morehead State College, 1939
A.M., George Peabody College, 1951
Morehead State College since 1956

ROBERT E. WOOSLEY, A.B., A.M.—*Instructor in Education, Director In-Service Education*
A.B., Western (Ky.) State College, 1934
A.M., University of Kentucky, 1950
Morehead State College since 1959

*Leave of Absence 1960-61

GEORGE THOMPSON YOUNG, A.B., A.M.—*Assistant Professor of Education, Supervising Teacher of Social Science*
A.B., Centre College, 1931
A.M., Teachers College, Columbia University, 1935
Morehead State College since 1932

THOMAS D. YOUNG, A.B., A.M.—*Associate Professor of Art*
A.B., University of Kentucky, 1925
A.M., Columbia University, 1932
Morehead State College since 1936

COMMITTEES

Administrative Council—Doran, Lappin, Wilson, Hogan, Wicker, Hornback, T. Young, Cooper, A. Stewart, President of the Student Council, and President of the Senior Class.

Faculty Organization—T. Young, Laughlin, Anderson, Wilkes, Graves, A. Stewart, Fair.

Coordinating Council—Lappin, Grote, Owsley, Boswell, Duncan, Herrold, Rader, L. Stewart.

Graduate Council—P. Hall, Lappin, Wilkes, Rader, Owsley, Walter, Williams, Playforth.

Library—Banks, Chapman, T. Caudill, Fowler, Fry, Hale, and three students.

Curriculum and Instruction—Lappin, L. Stewart, Mangrum, Waltz, Nollau, Fair, Heaslip, Graves, Playforth, Herrold, Anderson, Moore, Duncan, Claypool, Bolin, Chapman, and five students.

Sub-Committee on Teacher Education—L. Stewart, Herrold, Duncan, Anderson, Bolin, Waltz, Nollau.

Sub-Committee on Academic Guidance—Playforth, Graves, Moore, Claypool, Fair, Chapman.

Sub-Committee on Honors Programs—Lappin, Heaslip, Mangrum, Graves, Duncan, Anderson.

Student Life—Wilson, Saunders, Hill, Watson, Hardin, Mays, Hampton, Dudley, Mack, M. Martin, Gartin, Pemberton, C. Jackson, and six students.

Athletics—Fair, Lappin, Hogan, Rice, Mays, Laughlin, and two students.

Public Affairs—Wicker, Hornback, B. Hall, Woosley, Hampton, Huffman, Tant, Fincel, Editor of Trail Blazer, and Editor of Raconteur.

General Information

HISTORY

The Morehead State Normal School was established in 1922 when the General Assembly of Kentucky passed an act providing for the opening of two normal schools, one in eastern Kentucky and the other in western Kentucky. These schools were to be created for the purpose of training elementary teachers. Morehead was selected as the site for one of these institutions.

Since its establishment, the title of the school has been changed three times. In 1926 it became Morehead State Normal School and Teachers College; in 1930, the Morehead State Teachers College; and in 1948 Morehead State College. The college has not lost sight of its original function—that of training teachers. However, through the years it has expanded its facilities and offerings until it is now serving as a general regional college.

LOCATION

Morehead State College is located in Morehead, Rowan County, midway between Lexington and Ashland. It is reached by the Chesapeake and Ohio Railroad, United States Highway 60, better known as the Midland Trail, and State Highway 32. It is the most accessible Kentucky institution of higher learning for the people of the Big Sandy and Licking River Valleys, and the Ohio Valley section from Ashland to Cincinnati. It is within easy reach of the people of both the Cumberland and the Kentucky River valleys.

The campus comprises an area of three-hundred and fifty acres. The lawns are terraced and face on a boulevard which traverses the entire length of the campus. This setting is of unsurpassed natural beauty. The healthful climate and the unusually cool summer nights are additional attractions. The campus, as well as the surrounding country, offers much of interest to students, particularly those studying the natural sciences.

BUILDINGS

The buildings of the college, situated on the edge of the mountain slope overlooking the valley of Triplett Creek, present an imposing panorama of architectural beauty. They are of Tudor-Gothic design, the library being the best example of the type, and all con-

form in general style. The Administration Building occupies the central position in the group. Allie Young Hall, Johnson Camden Library, Fields Hall, Button Auditorium, Senff Natatorium, Lappin Science Hall, Doran Student House, and the President's Home form an arc to the west of the campus, while Thompson Hall, Breckinridge Training School, Baird Music Building, Men's Hall, the Stadium and the Fieldhouse complete the arc toward the east. All of these buildings are of reinforced concrete, red brick and stone, and are fireproof.

ADMINISTRATION BUILDING

This structure, the first of the group to be completed, was ready for occupancy in 1926. In it are located the administration offices; the Testing Bureau; the Bureau of Audio-Visual Aids; and the offices and classrooms of the departments of commerce, education, economics and sociology, and history and political science.

ALLIE YOUNG HALL

Also built in 1926, this dormitory for women was named for Judge Allie W. Young, to whom goes most of the credit for the establishment of the college at Morehead and for its early success. He was a member of the first Board of Regents and served in that capacity until his death in 1935. This dormitory has 68 rooms. The Department of Art and the Divisions of Public Relations and Field Services are housed on the ground floor.

FIELDS HALL

Named in honor of the wife of Governor William Jason Fields, the women's dormitory was completed in 1927 and has 80 rooms. Mrs. Fields was the first woman appointed to the Morehead Board of Regents, serving in that capacity from 1924 to 1928. The ground floor of this building includes office and classroom space for the Division of Languages and Literature.

THOMPSON HALL

This dormitory was first occupied in 1927 and was named for the Honorable J. H. Thompson of Bourbon County who served as Speaker of the House of Representatives at the time the bill was passed which authorized the establishment of the college. The building contains 82 student rooms and the ground floor provides quarters for the Little Theater and classes in dramatic art.

EAST MEN'S HALL

This dormitory, completed in 1937, contains 99 bedrooms and a director's apartment. Like all the other residence halls, it is modern throughout, well-equipped and furnished. At the present time, an annex to this dormitory is under construction. This annex consists of 106 rooms and will be ready for occupancy on September 1, 1961.

NORTH MEN'S HALL

This completely modern dormitory was occupied for the first time in 1960. It contains 201 bedrooms, a director's apartment and the necessary auxiliary facilities to provide unusually attractive living quarters for male students.

LAKEWOOD TERRACE

A housing center, comprised of 13 units, was occupied for the first time in 1960. This center provides living quarters for married students and faculty members at nominal rental charges. Eight units in this center have been named for the eight members of the original teaching staff of the college. These were: Charles D. Lewis, Henry C. Haggan, Charles O. Peratt, D. M. Holbrook, Inez Faith Humphrey, Evelyn Royalty, Emma Shader, and Ruby Vansant.

RICEVILLE

This cluster of housing has been named in honor of W. H. Rice, Superintendent of Buildings and Grounds for the college since 1931. Although of temporary nature, these 20 units provide comfortable and attractive quarters for married students.

PRESIDENT'S HOME

The president's home is a dignified brick residence, completed in 1929, and stands on a terraced lawn at the southwest corner of the campus. The house is equipped and furnished in keeping with the importance and dignity of such a building.

BUTTON AUDITORIUM

Button Auditorium, dedicated to the memory of Frank C. Button, first president of the college, is a building which contains the main auditorium and also houses indoor physical education facilities. The auditorium, main floor and balcony, has a seating capacity of 1,500 and that portion of the building that is used for physical education includes the facilities essential to a modern program in this important field of education.

BRECKINRIDGE TRAINING SCHOOL

The Robert J. Breckinridge Training School was completed in 1931. Named in honor of the sixth Superintendent of Public Instruction of the Commonwealth, who did so much for the public schools of the state, this building houses a complete twelve-grade school program and serves as the laboratory school of the college.

JAYNE MEMORIAL STADIUM

Jayne Memorial Stadium, built in 1930 as a memorial for W. L. Jayne who served as a member of the faculty from 1924 until his death in 1930, is a concrete structure with a seating capacity of 2,000. The space beneath the stadium is utilized for dressing quarters for home and visiting teams.

SENFF NATATORIUM

Located west of Button Auditorium is Senff Natatorium named in honor of Judge Earl Senff who served as a member of the Board of Regents from 1926-1930 and from 1932-1936. During these periods he also served as Secretary of the Board. The building contains a ninety-foot by thirty-foot swimming pool, a spectators' gallery, and dressing and shower rooms. The filtration and purification facilities are such as meet the highest standards of health and sanitation.

LAPPIN SCIENCE HALL

This four-story brick structure was completed in 1937 and was named Lappin Science Hall in 1958 honoring Warren C. Lappin who was completing his thirty-fifth year of service to the college as an instructor, as Director of the Training School, and since 1940 as Dean of the College. The building houses the departments of—industrial arts, agriculture, geography, mathematics and physics, biology, chemistry, and home economics. The classrooms, laboratories, and shops are furnished with the most modern apparatus and equipment.

HOME MANAGEMENT HOUSE

The Home Management House, an attractive modern residence, was purchased by the college in 1933. It serves as a laboratory in homemaking for the students in home economics. All majors in home economics are required to complete a period of residence in this home.

POWER PLANT

The Power Plant, completed in 1936, furnishes water, power, and heat for the college. It assures Morehead one of the best water systems in the state.

MACHINE SHOP

The Machine Shop was first used by classes in 1949. This building is equipped as a general machine shop and affords students an opportunity to gain experience in sheet metal work as well as to gain facility in the use of machines used in processing heavier metals.

JOHNSON CAMDEN LIBRARY

This white stone building, occupying a prominent place in the center of the campus, bears the name of the Honorable Johnson Camden, former United States senator from Kentucky. The library has reading rooms and research facilities for 2000 students, and a book-housing capacity of 100,000 volumes. At present there are approximately 60,000 catalogued books, an extensive magazine section, and a large collection of bulletins, pamphlets, and public documents.

BAIRD MUSIC BUILDING

Baird Music Building was first occupied in 1953 and the following year was dedicated to the memory of William Jesse Baird who died while serving as the fifth president of the college. This building contains offices, classrooms, practice and ensemble rooms, and a large rehearsal hall which is also used for recitals and concerts. Constructed in keeping with the most recent thinking concerning buildings of this type, facilities are provided for carrying on a comprehensive program in this field of growing interest.

FIELDHOUSE

The first basketball game was played in the Fieldhouse in December of 1956. This building, which has a spectator seating capacity of 5,000, contains all of the features considered to be desirable in a structure of this type. This addition to the physical plant gives Morehead basketball facilities that are modern in every respect.

DORAN STUDENT HOUSE

This student-center on the campus was completed in 1957 and was named by the Board of Regents the Doran Student House in honor of Adron Doran, the seventh president of the college, whose administration of the institution began in 1954, and who was instrumental in securing this much needed addition to the physical facilities of the college. The building contains an air conditioned cafeteria and grill; the college bookstore and post office; club rooms, lounges, and recreation facilities for both students and faculty.

UNDER CONSTRUCTION

To meet the needs of a growing student body and an expanding program, the college is engaged in an ambitious building program. Currently, a new Classroom Building is under construction which will provide for the Division of Languages and Literature and the Departments of Commerce and Speech and Dramatic Arts.

Also, in advanced stages of planning for the next biennium are: a 150-room dormitory for women and a 100-room dormitory for men; a Home Economics and Industrial Arts Building; an addition to the Home Management House; an enlargement of Baird Music Building; an Administration Building; additional science laboratories in Lappin Hall; a Maintenance Building; and the conversion of the present Administration Building into classroom space and offices for faculty.

Instructions To Students

PROCEDURE FOR ADMISSION

All correspondence concerning admissions should be addressed to the Registrar, Morehead State College, Morehead, Kentucky.

REQUIREMENTS FOR ADMISSION

Admission to the Freshman Class:

Without Examination. Graduates of high schools accredited by the Kentucky Association of Colleges, Secondary and Elementary Schools and by the State Department of Education are admitted without examination, provided they have earned credit for 15 units of high school work acceptable to Morehead. No specific courses are required for entrance, but not more than four units in one subject field will be accepted. If credit in foreign language is offered for entrance, at least one unit in the language must have been earned.

By Examination. Students who have earned 15 units of high school credit acceptable for college entrance may enter Morehead provided they pass an entrance examination satisfactorily.

Special Note. All students desiring admission as freshmen must have their credits certified by their high school principal or superintendent. These transcripts should be mailed directly to the Registrar of this college by the person certifying to them and must be on file at the time of registration.

Admission to Advanced Standing:

Students entering Morehead from other colleges must present a statement of honorable dismissal from the college attended previously and must satisfy the entrance requirements here. Official transcripts of college and high school credits must be on file in the Registrar's Office before the time of registration.

Admission to the Teacher Education Program:

Students, who wish to qualify for a teaching certificate, apply for admission to the Teacher Education Program during the second semester of the sophomore year. The Committee on Teacher Education acts upon these applications on the basis of the results of standardized tests that may have been given, accomplishment of the student in his college program, recommendations of teachers and advisers, and personal interviews.

Admission as a Special Student:

Students 21 years of age or over, who have not met the entrance requirements of the college may be admitted as special students and are permitted to carry courses for which they are prepared. Special students are not considered as candidates for any degree or certificate until they have fulfilled college entrance requirements, or until they have completed 64 hours of residence work with a minimum standing of 2.5, as well as all other requirements for the degree or certificate in question.

Admission as an Auditor:

By payment of the required fees, admission may be secured to a class or classes as an auditor. An individual desiring such admission must apply to the Dean of the College. No credit will be given for this work, nor will the student be permitted to take an examination for credit.

Admission to the Graduate School:

Regulations governing admission to the graduate school are explained in detail on page 69 of this catalog.

Credit Granted to Veterans for Service

Credit for specialized courses taken while in the military service may be allowed on the basis of proficiency examinations, information compiled by the American Council on Education and/or the recommendations of the Armed Forces Institute.

Credit for courses completed while in service will not be granted until after the student has been in residence at this college for one term.

WHEN TO ENTER

The school year is composed of two semesters of eighteen weeks each and one summer term of eight weeks. It is desirable, of course, that students enter at the beginning of the Fall Semester, since the year's work is organized to start at that time. By attending during all terms, it is possible for capable and ambitious students to complete the four years of college work in three and one-half years. It is important that all prospective students should note the latest date at which they may enter if they are to carry a full load and receive full credit.

WHAT TO BRING

Students expecting to room in the dormitories should bring the following articles: laundry bag, a pair of blankets, window curtains, and necessary toilet articles, including towels. The school provides pillow cases, sheets and bedspreads and has them laundered. Students who plan to room in private homes should ascertain before coming to school the articles they will be required to furnish.

PHYSICAL EXAMINATION

Each student entering Morehead for the first time is required to have a medical examination by his local or family physician prior to admission. Each student sends the report of this examination, on a form supplied by the College, to the Dean of Students prior to entrance.

RESERVING ROOMS IN DORMITORIES

Anyone desiring a room in one of the college domitories should write the Dean of Students and enclose $36.00 to secure a reservation. This should be done as far in advance of August 1 as possible. This amount constitutes one-half of the room rent for one semester and $29.00 is so applied at the time the student enrolls. The balance of $7.00 is a room deposit and will be refunded at the time the student checks out of the dormitory provided no damage has been done to the room or furnishings. After making this deposit, a student desiring to cancel his reservation may do so by notifying the Dean of Students by August 15 and the entire deposit will be returned. *No part of the deposit will be returned if such notification is not made by August 15.*

It is advisable for prospective students to reserve rooms at the earliest possible date.

All assignments to dormitories are made by the Dean of Students and room assignments are not completed until satisfactory arrangements for all college expenses are made with the Business Office.

DORMITORY LIFE

Students living in the dormitories are expected to care for their rooms, and keep them clean, orderly, and *ready for daily inspection.* The college endeavors to make it possible for students to live in a wholesome atmosphere under good living conditions. The same conduct is expected from each student as would be expected of him or her in a refined private home.

The college reserves the right to inspect all rooms at any time and for any purpose and students availing themselves of these rooms accept this condition.

OPENING AND CLOSING OF DORMITORIES

Students are expected to arrive on the campus on or after the official opening time of the dormitories. If it is necessary to arrive before this official opening time, necessary arrangements should be made with the director of the dormitory involved.

Official closing time for the dormitories will be published several weeks in advance of holidays and the end of semesters. Students who find that they must remain on the campus after the official closing time should arrange with the dormitory head for whatever special concessions may be necessary.

RULES CONCERNING STUDENTS RESIDING IN PRIVATE HOMES

All students are expected to room on the campus unless they are granted permission by the Dean of Students to room elsewhere.

All students, not living in their own homes, whether rooming in the dormitories, or in private homes or rooming houses, are subject to the regulations, control, and supervision of the college.

Students not residing in the dormitories are required to register their addresses with the Dean of Students prior to the day of registration and any student changing his address during a term must arrange for the change in advance with the Dean of Students and report the change to the Registrar.

Students living off-campus will make their own financial arrangements with regard to living expenses. The college does not attempt to collect rents or to act in any way as a collection agency.

ROOMS FOR MARRIED COUPLES

The college maintains a number of rooms for married couples and, in addition, a number of apartments are available on the campus for the use of families.

There are also places in the community where light housekeeping can be done. These may usually be rented furnished or unfurnished. Prospective students desiring such rooming facilities off the campus are advised to communicate with the Dean of Students in advance of their arrival, so that the best possible arrangements can be made.

BOARDING FACILITIES

Boarding facilities are provided in the college cafeteria and the cost will average approximately $10.00 per week.

Light housekeeping is not permitted in dormitory rooms. Any student violating this rule will be asked to leave his or her room and no room rent will be refunded.

FAILURE IN OTHER COLLEGES

Students who have been denied the privilege of re-entering, or have been dismissed from other colleges, will not be permitted to enter Morehead State College until such time as they would be permitted to re-enter the institution from which they were dismissed. Exceptions to this regulation may be made provided the institution concerned recommends acceptance of the student.

LATE ENTRANCE

Students entering after the regular enrollment date will be placed on a reduced schedule. A late enrollment fee of $3.00 per day will be charged all students who do not register on the day set aside for the purpose. Students will not be permitted to register at the regular registration period and then enter school at a later date.

CHANGE IN SCHEDULE

Every student upon entrance must prepare a schedule of courses approved by a faculty adviser. This program cannot be changed, except by permission of the Dean of the College and the instructors concerned.

Courses not recorded in the Registrar's Office will carry no credit.

A fee of $1.00 will be charged for each change in the schedule made at the student's request after the date provided in the school calendar.

STUDENT LOAD

The minimum amount of work that a regular student may carry each semester is 12 semester hours, and the normal amount is 16 semester hours. A freshman will not be permitted to carry more than 17½ semester hours, including one hour in Freshman Orientation, during his first semester in residence.

A student who has earned a quality-point standing of 3.0 during the previous term may schedule not to exceed 18 semester hours with the permission of the Dean of the College; a student who has earned a quality-point standing of 3.25 during the previous term may schedule not to exceed 19 semester hours with the permission of the Dean; a student who has earned a quality-point standing of 3.35 during the previous term may schedule not to exceed 20 semester hours with the permission of the Dean; and a student who has earned a quality-point standing of 3.5, with no mark below B, during the previous year may schedule not to exceed 21 semester hours with the permission of the Dean.

An exception may be made to the regulations stated in the preceding paragraph when, in the senior year, a student needs not more than three semester hours in excess of his regular load to graduate. In this case, the student may be permitted to take, during the year, not to exceed three semester hours more than his standing would normally permit, provided that the total load is not greater than 21 semester hours during any one semester.

The minimum student-load for a full-time graduate student is nine semester hours and the maximum load that may be carried by a graduate student during a semester is 16 hours.

During a summer term of eight weeks the student loads are one-half of the loads as defined for the regular semester.

THE MARKING SYSTEM

(Undergraduate Students)

The grade of work done by students will be marked by letters as follows:

A. The highest mark attainable.

B. A mark above average.

C. The average mark.

D. The lowest passing mark.

E. Failure. Course must be repeated in residence.

I. Incomplete course.

(A course in which an "I" is received must be completed within the first thirty days of the next term in residence, if credit is granted. Otherwise the mark automatically becomes an "E.")

(Graduate Students)

Marks are assigned to graduate students according to the following scale—

A Superior *graduate* work

B Average *graduate* work

C Below average graduate work, counts as graduate credit

D and E No graduate credit

THE NUMBERING OF COURSES

100-199	Freshman courses
200-299	Sophomore courses
300-399	Junior courses
400-499	Senior courses
500-599	Graduate courses
600-699	Special graduate courses

A minimum of 43 semester hours of work offered for a baccalaureate degree must be in courses numbered 300 or above.

300 and/or 400 courses with the letter "G" added may be taken for graduate credit by students who are qualified to do graduate work in the course involved. When enrolling for any of these courses, the student should check carefully with the Director of Graduate Study.

Courses numbered 500-599 may be taken only by graduate students.

Courses numbered 600-699 are used to indicate special graduate courses involving independent research.

SCHOLARSHIP POINTS

The mark of "A" carries 4 points; "B," 3 points; "C," 2 points; "D," 1 point; and "E," no points. A minimum average of "C," or standing of 2.00, must be maintained for any undergraduate degree or certificate. This minimum requirement for graduate students is an average of "B," or standing of 3.00.

HONORS

Honor Roll. At the close of each semester a list of honor students is released and publicized by the Registrar's Office. Students whose names appear on this list are given special consideration in making their class schedules, as well as in other appropriate ways, and are recognized in a special assembly program during the second semester.

To be eligible for the Honor Roll a student must—

1. Have carried a full-time load (at least 12 hours) of undergraduate work, and
2. Have earned a standing of 3.0 (average of B) for the term involved.

Graduation with Honors. Students who do outstanding academic work are graduated with honors. The honors are: *With Distinction* and *With High Distinction.*

To qualify for the baccalaureate degree with honors—

A student who has been in residence at Morehead for three years (a minimum of 108 weeks and 96 semester hours) must earn a quality point standing of 3.40-3.59 to receive the degree *With Distinction.* To receive the degree *With High Distinction* the quality point standing must be 3.60-4.0.

A student who has been in residence at Morehead for two years (a minimum of 72 weeks and 64 semester hours) may qualify for graduating with honors by earning a quality point standing .2 of a point higher than that required of students in residence at Morehead for three years.

Students who have been in residence at Morehead for less than two years are not eligible for the degree with honors.

When determining quality-point standing only residence work completed at Morehead is considered.

HONORS PROGRAM

The Honors Program at Morehead applies to students at two different levels.

Entering freshmen who demonstrate unusual facility, either through scores made on tests administered by the College Entrance Examination Board or on tests given by this college, may be granted credit and/or advanced placement on the recommendation of the department concerned and the Committee on Honors Programs.

On the basis of the high school record, test results, accomplishment in college courses, and the opinions of instructors, outstanding students are given the privilege of entering the Honors Program at the beginning of the junior year. Students selected for this program are granted certain privileges not accorded other students and are able to attain standards of accomplishment in keeping with their abilities.

SCHOLASTIC PROBATION

Any student making a standing of 1.5 or lower on a semester's work is placed on probation for the next semester in residence, and his parents will be notified of his unsatisfactory work. The student will be dropped from school if he does not bring his standing up to at least 1.7 during his next semester in residence.

An exception may be made to this general rule if the student is placed on probation at the close of the first semester and fails to make a standing of 1.7 the following second semester. In this case, he may be permitted to take a full load in approved courses (generally courses in which low marks have been earned during the academic year) the following summer. He will then be removed from the probation list if his total standing for both semesters and the summer term is 1.7.

A student who has been dropped for poor scholarship may re-enter after the lapse of one semester. After being dropped for poor scholarship the second time, he is not eligible for re-admission.

ABSENCES

When a student enrolls he is expected to attend all regular exercises of the college. Class absences seriously hinder scholarship and the cooperation of parents is requested in reducing absences to a minimum. Parents are, therefore, urged to refrain from asking permission for students to be absent preceding or following a holiday or to take frequent trips over the week-ends.

A student who is absent from the last class meeting preceding, or the first class meeting following any vacation or holiday, will be penalized one-half hour of general credit for each class absence unless he presents a satisfactory excuse, before the absence is incurred whenever it is possible to do so. In any event, arrangements for such excuses must be made within three days after the student returns to class. (Arrangements for these absences must be made in the office of the Dean of the College.

Students are required to be prompt and regular in class attendance and deliberate "cuts" are not excused. However, absences are excused* for the following reasons:

1. Illness. If the absence has been caused by illness, the student is expected to present to the instructor an excuse signed by the College Nurse, or a physician.
2. Representing the College. If the absence has occurred because the student was representing the College in a recognized activity—music, athletics, etc.,—lists of such students are sent to the instructors by the Dean of the College.
3. Authorized Field Trips. Lists of students participating in authorized field trips are sent to the instructors by the Dean of the College.

4. Instructors are authorized to exercise their discretion in excusing absences for other causes. If the individual teacher feels that the absence is justified, the excuse is granted, otherwise the absence is considered as unexcused.

Cases of extended or repeated absences are reported to the Dean of the College.

*The difference between excused and unexcused absences is—If the absence is excused the student is permitted to make up any work that the instructor considers essential. This consideration is not given if the absence is unexcused.

DISCIPLINE

When students enroll at Morehead State College, it is with the definite understanding that they agree to abide by the regulations of the institution. The authorities of the college, in cooperation with the students, will make whatever regulations are deemed necessary from time to time.

WITHDRAWALS

Students withdrawing from school during any semester or term must arrange for their withdrawal with the Dean of Students and the Dean of the College. No refunds will be made unless the withdrawal is made through the proper channels.

EXPENSES

The incidental fee for students residing in Kentucky is $55.00 for each semester. The incidental fee for students residing outside Kentucky is $110.00 per semester. This incidental fee is payable at the time of registration.

Terms of Payment

All fees and room rent are payable in advance at the time of registration. Remittance should be made by check drawn to Morehead State College.

The college has a special payment plan for those who are unable to pay the entire expenses for the semester at the time of registration. This plan enables the student to pay his fees in installments during the semester, the first payment being made at the time of registration and the final payment made at least two weeks before the close of the semester. Information concerning this special arrangement may be obtained by writing the Business Manager, but permission to use this plan will be granted only when absolutely necessary.

Students will not be permitted to attend classes until their registration cards have been approved by the Business Office, and such approval will be given only after satisfactory financial arrangements have been made.

Medical Fee:

Each dormitory student is charged a medical fee of $3.00 a semester which is payable at the time of registration. The payment of this fee entitles a student to the services of the school nurse and to the services of a physician for minor ailments.

Laundry Fee:

Each dormitory student is charged a laundry fee of $2.25 a semester which is payable at the time of registration. This fee covers the rental charge on sheets, pillowcases, and bedspreads furnished by the College and provides laundry services for them.

Student Activities Fee:

To cover the cost of attending all athletic contests in Morehead sponsored by the college, special entertainments scheduled during the semester, including the Civic Concert Series and a subscription to the Trail Blazer, a fee of $5.50 a semester is charged to all students carrying more than six hours. The payment of this fee entitles a student to free participation in the activities indicated. A fee of $1.00 is charged during the summer session.

Laboratory Fee:

No special laboratory fees are charged at Morehead but a general laboratory fee of $4.50 a semester is collected from all students carrying more than six hours. This fee is payable at the time of registration.

Swimming Fee:

Payment of the Activity Fee entitles students to the use of the swimming pool.

Faculty members and employees of the college have the privilege of using the pool by paying a fee of $1.50 per semester. Families of faculty members and employees are included in this classification.

Pupils enrolled in the Breckinridge Training School also have the privilege of using the swimming pool by paying this fee.

Music Fees:

The fees for private lessons in music are: (a) For two one-half-hour lessons a week, $35.00 per semester; and (b) For one one-half-hour lesson a week, $20.00 a semester. Under certain conditions beginning students in applied music may be assigned to a student assistant for instruction and, in this event, the fees are one-half the amounts indicated for instruction provided by members of the regular staff.

Graduation Fee:

The graduation fee is $7.50. This amount covers the cost to the student of the diploma, cap and gown rental, and certain college expenses incidental to graduation.

Yearbook Fee:

In compliance with a request made by students, a fee of $6.00 is charged for the Raconteur, the college yearbook. Three dollars is collected when the student registers for the First Semester and pays for the individual picture in the yearbook. The remainder of the fee is collected at the time of registration for the Second Semester. Students registering for the Second Semester who have not been enrolled during the First Semester pay the entire amount of the fee at the second-semester registration.

Fee for Late Registration:

Students who enroll after the day of registration are required to pay an additional fee of $3.00 for each day they are late.

Fee for Change of Schedule:

A fee of $1.00 will be charged for each voluntary change which a student makes in his schedule after it has been prepared and approved at the time of registration. Students are advised to give careful study to the program of classes and the requirements to be met before having their class schedules approved. If a change in schedule is requested by the Dean, the student will not be expected to pay this fee.

Expenses at Morehead for One Semester:

Incidental fee	$ 55.00*
Room rent	72.00
Board estimated @ $10 per week	180.00
College post office box rent	.75
Estimated cost of books	30.00
Laboratory fee	4.50
Student activity fee	5.50
Raconteur fee	3.00**
Medical service	3.00
Laundry Service	2.25
	$356.00

*For residents of Kentucky. Out-of-state Incidental Fee–$110.00

**Total Raconteur Fee–$6.00, collected as follows: For students who enroll for both semesters of the school year–$3.00 at the first semester registration and $3.00 at the second semester registration; for students registering only for the second semester–$6.00 at the second semester registration.

Expenses to be Paid in Advance for One Semester:

Incidental fee	$ 55.00
Room rent in the dormitories	72.00
College post office box rent	.75
Laboratory fee	4.50
Student activity fee	5.50
Raconteur fee	3.00
Medical service	3.00
Laundry service	2.25
	$146.00

Part-Time Fees:

The Incidental Fee for undergraduate students who are residents of Kentucky and enrolled for less than twelve hours of work during a regular semester is $5.00 per semester hour. This fee for out-of-state students is $10.00 per semester hour.

The Incidental Fee for graduate students who are residents of Kentucky nad enrolled for less than twelve hours of work during a regular semester is $6.00 per semester hour. This fee for out-of-state students is $12.00 per semester hour.

All students enrolling for more than six hours during a semester are required to pay the regular laboratory and activity fees.

Fees for Graduate Instruction:

Residents of Kentucky – $5.00 per semester hour. Maximum $60.00.

Out-of-state students – First nine hours, $10.00 per hour. Next three hours, $5.00 per hour. Maximum $105.00.

Credit:

No degree, diploma, or transcript of credits will be furnished a student until all financial obligations to the college have been paid.

All previously incurred expenses at the college must be paid in full before a student may re-enter at the beginning of any semester.

Refunds:

Refunds of fees will be made as follows:

A student withdrawing during the first week of school will be refunded 75% of his fees.

A student withdrawing within the first three weeks of school will be refunded 50% of his fees.

No refund of fees will be made after the first three weeks.

OPPORTUNITY FOR STUDENT EMPLOYMENT

The college has made it possible for a limited number of students to earn a part of their expenses, such as board or room rent, or both, by doing various kinds of work. The work opportunities available are in the cafeteria, dormitories, offices, and various buildings. Other students may find employment of various types in Morehead. Students desiring employment should apply for information to the Dean of Students.

Since the entering student cannot always find immediate employment, it is recommended that no new student register unless he has sufficient funds to cover the expenses of the first semester. It is not advisable for a student to spend more than 20 hours per week on outside work if he is carrying an average college program.

Students desiring employment should note the following regulations:

1. The following classes of students are eligible to be appointed for employment: a. Students whose character and previous record give promise of successful college work; b. Individuals who are in need of financial assistance.

2. Employment is contingent upon the student's satisfactory performance of all his college duties, cheerful conformity to all college regulations, maintenance of proper standards of conduct, and the economical use of both time and money.

3. Students who are given employment by the college are expected to carry a normal schedule of work unless specifically excused by action of the Dean of the College.

4. Employment may be terminated at any time if the worker is not performing his assigned tasks satisfactorily.

5. All students employed by the college must maintain an average mark of "C" or better.

6. Students employed by the institution are expected to perform their duties regularly and will not be allowed substitutes on weekends.

SCHOLARSHIPS

A number of scholarships are available to worthy students. To qualify for these various grants the applicant must be (a) recommended by his high school principal; (b) have a superior high school record; and (c) establish evidence of need for such assistance. Unless otherwise noted, all scholarship awards are made on the recommendation of the Committee on Fellowships, Scholarships, and Student Aid and the right is reserved by this committee to administer competitive examinations to applicants.

General Scholarships – The college has provided for fifty scholarships, each carrying a stipend of $50.00 a semester, which are available to any students who meet the institutional requirements for such awards.

Music Scholarships – A number of scholarships are granted to students who demonstrate special proficiency in music. The amount of the stipend varies according to need, proficiency and interest. These scholarships are administered by the Department of Music.

Morehead Women's Club Scholarships–The Morehead Women's Club has established two scholarships for worthy young women. The recipients of these awards receive grants of $100.00 per year.

Alumni Scholarships – The Morehead Alumni Association has initiated a plan to provide a number of scholarships carrying stipends of $100.00 each.

Button Memorial Scholarships. The alumni of the Morehead Normal School, the forerunner of Morehead State College, provide for two scholarships which pay the regular college fees for two worthy students of their own choice. These scholarships were established in memory of Frank C. Button who served as president of both institutions.

Fenton T. West Scholarship. This scholarship was established to honor the memory of Dr. Fenton T. West, chairman of the Division of Science and Mathematics from 1947 until his death in 1958. This scholarship is awarded each year to the most outstanding sophomore or junior science or mathematics major as determined by the faculty of the Division of Science and Mathematics. The amount of the scholarship is one hundred dollars, which is to be applied to the next year's expenses at Morehead.

Home Economics Club Scholarship. The Morehead Home Economics Club makes a scholarship grant of $100 a year to an outstanding prospect in the field of home economics.

Mary E. Lathram Memorial Scholarship. The Department of Classroom Teachers of the Kentucky Education Association has established a full-scholarship in memory of Mary E. Lathram, a graduate of Morehead who taught for many years in Bath County and who was also active in the work of the classroom teachers organization. This scholarship is awarded to a young woman residing in the area served by the Eastern Kentucky Education Association who gives promise of developing into a superior elementary teacher. This provision is in line with the motto of the Classroom Teachers—"Replace a Teacher with a Teacher."

NATIONAL DEFENSE STUDENT LOAN PROGRAM

The National Defense Student Loan Program was authorized by the National Defense Education Act of 1958. In accordance with law and regulations, the college has agreed to establish a special student loan fund. The amount of money available for loan to students will depend upon the amount Congress is willing to appropriate.

Any full-time student whose academic record is satisfactory and any prospective student (high school graduate) whose record indicates that he is capable of performing satisfactory college work

is eligible to apply for a loan. Each applicant must demonstrate genuine financial need.

The law provides that special consideration must be given to students with superior academic background and who express a desire to teach in elementary or secondary schools, and also whose academic background indicates a superior capacity or preparation in science, mathematics, engineering, or a modern foreign language. The interest rate on loans is 3 per cent.

Applications for a loan and inquiries concerning the program should be sent to the Dean of Students.

AWARDS AND PRIZES

Inkpot Awards–The *Inkpot* annually awards three prizes for outstanding manuscripts submitted by freshman writers. The awards, presented during a spring convocation program, are made for the best entries in the following fields: fiction, essay, poem. Winning manuscripts are published in the *Inkpot*, and each award-winner receives a pen-and-paperweight desk set.

Inez Faith Humphrey Awards in English Literature – These awards, honoring Miss Humphrey, who served for many years as a valued member of the English Department, are presented annually to the authors of outstanding manuscripts in creative writing. Entries may be submitted by any junior or senior who is a full-time student in residence during the year in which the awards are granted and who has maintained a grade average of "C" for the first semester and for the second semester up to the closing date for submission of manuscripts. Awards are made in the categories of poem and play one year, and in the categories of story and essay the following year. Each of these awards amounts to approximately seventy-five dollars.

NIGHT AND SATURDAY CLASSES

Morehead follows the practice of scheduling a number of classes at night and on Saturday to accommodate in-service teachers. These courses give residence credit. No in-service teacher is permitted to earn more than six hours during a semester, or twelve hours during the school year, of undergraduate credit; and no in-service teacher is permitted to earn more than four hours during a semester, or eight hours during the school year, of graduate credit.

These classes are included in the regular class schedules that are issued each term.

EXTENSION AND CORRESPONDENCE COURSES

Extension Courses:

The College arranges to send instructors to teach non-laboratory courses off the campus when classes of desirable size can be organized. This work carries extension credit and not more than one-fourth of the credits presented for any certificate or degree may be earned by any combination of correspondence and extension credit.

The fee for undergraduate extension courses is $150.00 for each semester hour of credit. The cost of the course is apportioned equally among the students enrolled in the class. By this arrangement, the actual cost to each student is determined by the number enrolled in the course. However, a minimum fee of $9.00 a semester hour will be charged each student.

The College is also in position to offer a limited number of graduate courses in suitable study centers. Enrollment in these courses is limited to graduate students and the fee for a three-hour graduate course is $540.00. The minimum individual fee for a graduate course by extension is $10.00 a semester hour.

Individuals interested in having extension classes organized in their localities should write the Director of School Services.

Correspondence Courses:

Morehead also offers college courses by correspondence. The fee for this work is $9.00 a semester hour.

Anyone interested in correspondence work should write the Director of School Services for complete information.

Information of Particular Interest To Freshmen

1. What has been the history of the college?

Morehead State College was established in 1922 and has operated continuously since September, 1923. For a more complete statement see page 21 of this bulletin.

2. Is Morehead an accredited institution?

Yes. Morehead State College is fully accredited by the following agencies—

a. The Southern Association of Colleges and Secondary Schools.

b. The National Council for Accreditation of Teacher Education.

3. What types of training are offered at Morehead?

The college offers several types of training. These are—

a. A four-year program for elementary teachers.

b. A four-year program for high school teachers with opportunities for major study in agriculture, commerce, economics and sociology, English, modern languages, history, political science, biology, chemistry, geography and geology, mathematics, physics, art, music, home economics, industrial arts, physical education and speech and dramatic art.

c. A four-year program of general academic training with the same opportunities for major study as those listed above. This program does not prepare for teaching.

d. A four-year program qualifying Smith-Hughes teachers of vocational home economics.

e. Graduate work leading to the degree of Master of Arts in education.

f. One-and two-year programs for stenographers and secretaries.

g. A four-year program in commerce.

h. A program for school librarian.

i. Preliminary training for professional study in medicine, dentistry, law, pharmacy, engineering, veterinary medicine, medical techonology, nursing, forestry, etc. (For more complete statements, see the pertinent information in this catalog. Consult the index for exact page references.)

4. What is the standing of the Morehead faculty?

Members of the teaching staff are selected on the basis of their ability to do effectively the particular work to which they are assigned. This college believes that its major task is to be accomplished in the classroom, but that this classroom activity, to be effective, must be made as functional as possible. The faculty at Morehead is highly trained and is engaged constantly in the effort to improve its efficiency. The academic training of the members of the faculty may be determined by referring to the material on page 6 of this bulletin.

5. Is there an opportunity at Morehead for a deserving student to work and thus defray a part of the cost of his education?

Yes. A large portion of the clerical and routine work on the campus is done by students. Anyone interested in this work should make application to the Dean of Students. For a more complete statement see page 40 of this bulletin.

6. What are the requirements for admission at Morehead?

Our admission requirements are similar to those of any standard four-year college. A complete statement of these requirements may be found on page 27 of this bulletin.

7. How should a student apply for admission at Morehead?

Anyone wishing to be admitted to the college should write to the Registrar, Morehead State College, Morehead, Kentucky. The Director of Public Relations will then send to the student all necessary forms and instructions for completing the application.

8. What are the requirements for graduation at Morehead?

To graduate at Morehead you must earn a minimum of 128 semester hours of college credit, at least 43 hours of which must be earned in junior and senior courses. Not more than one-fourth of this total can be earned by extension and/or correspondence. A minimum scholarship average of "C" must be maintained on all residence courses offered for a degree.

9. What should a freshman do on registration day?

We have attempted at Morehead to make the process of registration as simple as possible and at the same time secure the basis for adequate records and proper course assignments. Freshmen should consult the College Calendar for information concerning the Orientation Schedule.

10. What does it cost to attend school at Morehead?

The incidental fee for Kentucky students is $55.00 per semester and for out-of-state students this fee is $110.00. An itemized list of the usual expenses of students is estimated on page 39 of this bulletin.

11. What types of living accommodations are available to students attending Morehead?

The college plant includes five dormitories, two for men and three for women. Each of these residence halls is equipped in such a way that students are comfortably and safely housed. These buildings are fireproof in construction and entirely modern in every respect.

In addition, a number of furnished apartments are available for the use of married students. Students with children are given preference in the use of these apartments.

The college also operates its own cafeteria. Wholesome, well-cooked food may be secured at a minimum cost.

12. Does Morehead furnish guidance facilities for its students?

Yes. Each freshman is assigned to a faculty adviser at the time of enrollment. This adviser aids the student in his choice of courses and activities. The adviser is also available at all times for help in connection with personal problems that may arise. On the basis of this acquaintance, the attempt is made to guide the student into a life activity that is suitable.

13. What opportunities are offered at Morehead for participation in extra-curricular activities?

Extra-curricular activities are encouraged at Morehead. The college is a member of the Ohio Valley Conference and sponsors varsity teams in the major sports. The success of these teams in past years speaks for itself. The musical organizations are also active and very fine musical groups have been developed. In addition, dramatics, debate, and journalistic activities are sponsored. Other organizations emphasizing particular subject-matter interests are promoted as well as various clubs having social activities as their goal. For a complete list of these student organizations see page 52 of this catalog.

Auxiliary Agencies

HEALTH PROGRAM

The college maintains an infirmary on the first floor of Fields Hall under the constant supervision of a resident nurse. A part of the $3.00 medical fee charged each student at registration is for the upkeep of the infirmary and for this small fee any and all students may receive medical advice at stated times, and on other occasions by appointment. Minor ailments receive immediate attention, and such minor operations are performed as practitioners usually perform, but no major operations are performed in the college infirmary.

LYCEUM AND SPECIAL ENTERTAINMENTS

A portion of the activity fee, paid by each student at registration, is used by the college to provide a series of public lectures, musicales and other forms of entertainment, to which all students are admitted either free (upon presentation of their student activity tickets) or at special reduced prices. These entertainments are so scheduled as to give the school community an opportunity of hearing talent of high order each semester.

SPECIAL LECTURES

During the college year special speakers and lecturers are invited to come to the college. In the past a number of prominent Kentuckians and eminent speakers from various sections of our country have brought inspiring messages of vital concern to the student body.

RELIGIOUS ENVIRONMENT

Since Morehead State College is a state institution, it is, of course, non-denominational.

There are nine churches in Morehead, representing the following denominations: Baptist, Catholic, Christian, Methodist, Church of God, Episcopal, Church of Christ, and Nazarene. These churches give the students a hearty welcome to all their services. While the students are not required to attend, they are encouraged to affiliate themselves with the church of their choice and to find a church home. All denominations are represented in the college faculty, who for the most part have their memberships in the Morehead churches.

CONVOCATION EXERCISES

Convocation exercises are held on Thursday of each week. Special meetings may be called on other days of the week, as occasion may demand. These programs are an integral part of the institutional life. The programs—religious, social, and educational in nature—are conducted by different members of the faculty, and by invited guests and speakers.

The purpose of these programs is to create ideals, disseminate information, establish professional attitudes, develop culture, and promote a better school morale. All students are required to attend.

One-half hour of credit is deducted from the student's total credits for each unexcused absence from the Thursday convocation.

ATHLETICS

The college promotes clean and wholesome athletics. Those students who are interested are encouraged to participate in football and basketball and other sports. Those who are not fitted for such strenuous exercises are encouraged to participate in minor games. Interclass athletics and intramural programs are promoted by the college.

Morehead State College is a member of the Ohio Valley Conference and the National Collegiate Athletic Association.

COMMENCEMENT

The college has two commencement exercises each year, one at the close of the second semester and the second at the close of the summer term.

All students who are candidates for the college degree are required to participate in the commencement exercises unless excused by the Dean of the College.

Only students who have satisfied all requirements for graduation at the time of commencement will be permitted to participate in the graduation exercises.

TRAIL BLAZER

The Trail Blazer, official newspaper of the Morehead State College, is published bi-weekly by the student body. The Trail Blazer is a member of the Kentucky Intercollegiate Press Association and has gained state-wide recognition in contests sponsored by the association. Students who have had journalistic experience or who are interested in the newspaper field are encouraged to try for staff positions.

THE INKPOT

The Inkpot is the magazine of freshman writing, sponsored by the Division of Languages and Literature. Annually, it presents a representative collection of writing by freshmen on the campus. Awards are given for the best writing appearing in this publication.

INSCAPE

Inscape, the literary magazine, provides a publishing medium for those students and alumni who are interested in imaginative writing. This magazine is issued periodically and is sponsored by the Division of Languages and Literature and the Literary Arts Club.

KENTUCKY WRITING

Kentucky Writing, an anthology sponsored periodically by the Writers' Workshop, is a publishing medium for writers from all parts of the state. Its central purpose is to bring good current writing before the public, to stimulate interest in writing, and to encourage young writers.

EAGLE EDITIONS

The *Eagle Editions* in poetry operate on a revolving fund. One publication of poetry by a reputable and here-to-fore unpublished poet is planned each year. The Writers' Workshop, the Division of Languages and Literature, and the Literary Arts Club combine efforts in editing and publicizing.

RACONTEUR

The Raconteur, the college year book, is published annually by the senior class. This book, containing as it does a history of the college year in pictures, is a valued possession of all Morehead students.

GUIDANCE SERVICE

Under the supervision of a faculty committee Morehead attempts to provide its student with guidance service that is designed to aid them in reaching intelligent decisions concerning such problems as—choice of a suitable life activity, selection and successful completion of a program of study, adjustment to campus life, and personal problems of daily living. Regular members of the teaching staff act as student advisers and a close relationship is maintained between adviser and advisee.

TESTING BUREAU

The college maintains a Testing Bureau which serves the dual purpose of providing complete testing service for the students in residence as well as for public school systems. Certain tests are given to all students, but the facilities of the Bureau are available to any student who may wish to have special tests administered.

Student Organizations

The Morehead Players, the college dramatic organization, gives ample opportunity to students for the writing, production, and acting of plays, as well as for the design of scenery, stage settings, and lighting effects. It is the production unit in dramatic arts and speech. The College Auditorium, Breckinridge Auditorium, and the scene shop furnish opportunities for testing theories with practice for public and experimental productions.

Beaux Arts Club is a group of art-minded students who organized in the fall of 1935 to stimulate an interest in the fine arts and crafts and also to foster a congenial atmosphere for engaging in art activities. All applicants must submit some art work or give an art appreciation talk. These are judged by the membership committee. Some of the activities of this organization are the sponsoring of: (1) a trip to the Cincinnati museum and other places of art interest each term; (2) art competitions; (3) art demonstrations; (4) art plays; and (5) making of favors and programs for activities on the campus.

Musical Organizations. The various ensembles organized under the supervision of the Music Department provide social and cultural advantages of great value to students. The Orchestra, Band and Chorus are open to all who can qualify as amateur players or singers. Further particulars about these organizations will be found in the course of study.

The Crescendo Club is composed of students who are interested in music and musical activities. Its purpose is to foster appreciation of music by means of interesting programs, participation in small ensemble groups, and assisting in attaining better community progarms.

A local unit of the Music Educators National Conference is also maintained on the campus. Membership in this organization is open to seniors who are majoring in music.

Theta Pi Chapter of Pi Mu Alpha Sinfonia was chartered in 1959. Sinfonia is dedicated to music and music students. Membership offers much for friends in and out of music.

Sigma Alpha Iota is an internationally incorporated fraternity for women in the field of music. Membership is based upon scholarship, musicianship, personality and character and is open to college women students on the graduate and undergraduate level.

Student National Education Association. The SNEA is a national organization which is sponsored by the National Education Association to stimulate interest in teaching among college students. Members of the SNEA have an opportunity to study current problems of education and to become acquainted with the work of the state and national education associations.

The club plans meetings of interest to students of education and participates in SNEA workshops for college groups.

Kappa Delta Pi. Epsilon Theta Chapter of Kappa Delta Pi was installed at Morehead in May 1942. This national honorary fraternity is open to outstanding students in their junior, senior, and graduate years. The organization is primarily interested in the promotion of science, fidelity to humanity, service and scholarship. Membership constitutes a mark of distinction in the teaching profession.

Beta Chi Gamma is composed of students in biology and chemistry. Meetings are held bi-monthly at which programs of general interest are given. Additional projects pertaining to biology and chemistry are carried on by various groups within the organization.

A.C.S. The Morehead branch of the American Chemical Society is made up of chemistry majors who are planning careers in chemistry. Topics of mutual interest are discussed at their meetings.

The Agriculture Club is composed of men who are interested in the study of agriculture and who are also concerned with doing something that will make them capable of becoming better citizens. During the past two years this club has been very active and its members have contributed their special abilities to the general welfare of the college. Much of the landscaping found on the campus at the present time has been done by this organization.

Kappa Mu was organized in 1938. Membership is composed of majors and minors in commerce who maintain a scholastic standing of better than "C," with a superior standing in commerce. The purpose of the club is to develop interest in commercial activities and at the same time to promote a better understanding between students and faculty through an interesting and instructive social program. Meetings are bimonthly.

The Home Economics Club is open to students of home economics. The purpose of the club is "to give opportunity for members to develop active leadership and responsibility, to bring students in closer

touch with the home economics organizations of the state and nation, and to create and stimulate interest and education in home economics."

The Women's Recreation Association is an organization open to all women students interested in participating in any form of physical activity. Tournaments for the various sports are held during the proper season. The entire group holds meetings at the call of the council.

The MSTC (Mystic) Club was organized in memory of Coach Len Miller. This organization supervises the elections of cheerleaders and is in charge of all pep rallies on the campus. It fosters keen interest and participation in all sports.

The Forensic Union. This organization aims to promote speech activities through participation on the campus, in the community and with institutions of higher learning. It further aims to develop individual ability and capacity for oral communication in a democratic society.

Any full-time student who shows definite interest in the union and its purposes may apply for membership.

The Library Science Club was organized to further the professional knowledge of its members, to promote fellowship, and to encourage qualified students to enter the field of library science.

Any bona fide student taking courses in library science or definitely planning to take courses in library science shall be eligible to become a student member, provided he has a standing of "C" in all his college work.

Les Courants. This organization is composed of a group of upperclass male students who are organized to stimulate interest in the fine arts and to provide a medium for fellowship for those with common interests. Pledges may be accepted from the freshman class at the discretion of the active membership. This organization makes an annual award to the student of the fine arts who has proved himself to be outstanding in character and achievement.

The Literary Arts Club fosters interest in literary arts by sponsoring classic films and other activities concerning good literature. Membership is open to those interested in the furthering of good literature.

The Diving Eagles was organized to foster an interest in skin diving, to increase the knowledge of the members in the best tech-

niques of underwater operation, and enhance the awareness of water safety. Membership is limited to those who are able to satisfy the requirements for membership placed upon them by the club. These requirements are concerned with a knowledge of water safety and control of diving equipment.

The Campus Club is an organization whose membership is open to men students upon invitation. Members are selected from those students who have demonstrated ability as leaders on the campus. A scholastic standing of two is prerequisite for pledging.

Crown and Sceptre. The Crown and Sceptre is a sophomore honor society for women who have a standing of three, who have shown qualities of leadership, who have impeccable character, and who, at all times, conduct themselves in the manner becoming a lady.

The Collegiate Knights. The purposes of the Collegiate Knight is to provide a better social environment for the student body, to promote leadership, to encourage the student body to appreciate campus life by making an organized contribution to the college activities.

Any upperclassman who is a full-time student at Morehead State College is eligible for membership in this club if he is able to meet the Club's requirements for membership.

YWCA. The Young Women's Christian Association, a popular organization on the campus, sponsors a program that is both social and religious. While the primary purpose of the organization is to foster the religious life of the students, it often furnishes a very wholesome form of social life in the way of informal entertainments. For example, a picnic for the entire student body is an annual club project.

New students are invited to become members of this organization and are especially invited to call upon the members for assistance in their efforts to align themselves with college life. There are no special requirements for membership, but regular attendance at the meetings on the first and third Thursdays on each month is expected.

Newman Club. The Newman Club is an international as well as a nationwide organization which is represented on most college and university campuses. Its purpose is to create unity among Catholic students in schools of higher learning.

The Newman Club at Morehead strives for a closer relationship with similar organizations of other Christian groups, on or off the campus.

Meetings are held on the fourth Sunday of each month. Officers are elected anually by the membership of the club.

Wesley Club. The Morehead Wesley Club is one of many Wesley organizations in colleges over the nation.

In addition to moral and religious needs, the Wesley Club provides for the physical, social, and intellectual needs of the Methodist students on the campus. These needs are met through programs which include singing, discussions, guest speakers, caroling, and worship services. Not only are Methodist students invited to attend Wesley Club, but members of all faiths are welcome.

The Disciples of Christ Fellowship is designed to provide for the spiritual, social, and physical development of all students on campus who wish to attend. While membership is not restricted to members of the Christian Church, it is sponsored and maintained by this brotherhood. A cordial welcome is extended to all students.

The Warner Fellowship is a student organization, affiliated directly with the Church of God, for the purpose of strengthening the relationship between the student and his spiritual life. The Warner Fellowship was organized in 1955 and meets weekly either on the campus or at the nearby First Church of God.

The organization strives to make the total personality of the student a wholesome organism. The devotional life of the student is emphasized.

The Warner Fellowship gets its name from Daniel S. Warner, a pioneer in the Church of God Reformation Movement. The MSC organization was the third such group to form in the nation, following Indiana University and Ball State College.

All students who have Church of God backgrounds are urged to join in the activities of the Warner Fellowship, and in so doing, make college life more complete.

Baptist Student Union. The purpose of this organization is to strengthen, correlate, and unify all of the separate Baptist unit religious organizations into one campus organization with one all-inclusive program of religious activity.

Membership is open to members of the Baptist Church and/or one or more of the unit organizations of that church. Other students may be extended membership in the group by unanimous consent.

The Student Council. This is the governing body of the Association of Morehead State College Students. Its purposes are to afford members a medium of expression on matters affecting student life; to provide a means whereby students may exercise a shared responsibility with the faculty, within certain specified limits, concerning the government of the student body; to promote, through joint effort, all

the legitimate interests of the College; and to develop in its members the desirable qualities of self-reliance, initiative, co-operativeness, high ideals, and loyalty. Membership on the Council is secured through election by the student body.

Open Forum. The Open Forum was organized at the request of students as a means of discussing campus problems and problems of a general nature throughout the state and nation. The group usually has a guest speaker who talks on some topic of interest. A discussion period follows.

The club meets twice each month and membership is open to any student in good standing.

The Veterans' Club. Membership in this organization is limited to students who are veterans of at least ninety days of service in a branch of the Armed Forces of the United States, who have been discharged under conditions other than dishonorable. Its purposes are—to keep members informed on veterans' affairs; to contribute to the extracurricular program of the college; and to better enable students with mutual interests and a background of common experience to gather for fellowship.

The Cosmopolitan Club. This club is composed of American and foreign students and was organized to stimulate the transfer of ideas among students of different nationalities, to encourage the development of enduring friendships and the cultivation of good will toward mankind. Membership is open to all nationalities and is on a voluntary basis.

Alumni Association. The purpose of the Alumni Association is to stimulate mutual interest between the college and former students. Payment of the annual membership dues also secures a year's subscription to the Trail Blazer. Every graduate should become a member of the association. Meetings are held during the Homecoming celebration in the Fall.

Degrees and Certificates

CURRICULA

The curricular offerings at Morehead are varied. Students may pursue courses leading to the:

1. Provisional Elementary Certificate and degree.
2. Provisional High School Certificate and degree.
3. Standard Elementary Certificate.
4. Standard High School Certificate.
5. Bachelor's degree without a certificate.
6. Bachelor's degree and the certificate in Vocational Home Economics.
7. Bachelor's degree with an area in business administration.
8. Bachelor's degree with a concentration in medical technology.
9. Provisional certificates for superintendents, principals, supervisors, guidance counselors, and school librarians.
10. Standard certificates for principals, supervisors, guidance counselors, and school librarians.
11. Degree of Master of Arts in Education.
12. Preprofessional programs.

DEGREES

The college awards two undergraduate degrees, the Bachelor of Arts and the Bachelor of Science. Each degree may be taken with or without a teaching certificate.

The degree of Bachelor of Science is granted to those students who complete all of the requirements for graduation and who earn a minimum of 60 semester hours of credit in the following subjects—agriculture, biology, chemistry, commerce, geology, home economics, industrial arts, mathematics, library science and physics. Students completing any of the other four-year curricula are granted the degree of Bachelor of Arts.

GENERAL REQUIREMENTS FOR THE BACHELOR'S DEGREE

The candidate for the degree must meet the following general requirements:

1. A minimum of 128 semester hours of prescribed and elective college credit.
2. An average standing of "C," or higher, on all residence work completed at this college.
3. At least three-fourths of the credit in residence in some standard college; at least one year in residence and one semester immediately preceding graduation in this institution. (One year in residence is interpreted as being two semesters, during which a minimum of 32 hours of credit will have been earned.)
4. Not less than 43 semester hours of work offered for the degree must be selected from courses numbered 300 or above.

MAJORS AND MINORS

Not later than the beginning of the sophomore year, the applicants for degrees must file with the Registrar their selection of majors and minors. The heads of the departments in the major and minor fields must approve the program to be followed before the blank is filed. Two majors, or one major and two minors, may be selected.

A student may choose his major or minor from any one of the subjects listed below:

Agriculture
Art
Biology
Chemistry
Commerce
English
French
Geography
History
Home Economics
Industrial Arts (major only)
Mathematics
Music
Physical Education and Health
Physics
Political Science
Sociology and Economics
Speech and Dramatic Art

In addition to the available subject fields listed above, the student may complete a minor in—

Latin
Spanish
Library Science
Philosophy (non-teaching)

AREAS OF CONCENTRATION

To meet the needs of high school teachers who will teach entirely in a general subject area, Areas of Concentration may be selected in lieu of majors and minors.

Provision for Areas of Concentration was made by the state authorities with three ideas in mind: first, more and more secondary teachers are teaching in one department or field of work; second, greater opportunity is afforded for integrated preparation; and third, with the greater emphasis on graduate preparation for secondary teachers, extensive knowledge in some general field becomes exceedingly important as an adequate background.

Areas of Concentration may be taken in the areas of

Social Science	Home Economics	Music
Science	Commerce	Art
	English	

General Education

One of the fundamental beliefs of Morehead State College is that every college student should have a well-coordinated general education. This is the education that prepares for living, regardless of one's vocational or professional interests, and should develop a logical and discriminating method of thinking; lead to an appreciation of the fine arts, good literature, and the things in life that have lasting value; give an understanding of the social and economic forces that affect our lives; and provide an insight into the way in which each of the fields of learning has something to contribute to the fullness of life.

Accordingly, a selection of courses has been made which are taken by all students, with certain exceptions as noted in the following listing. This selection includes 49 hours of work, most of which will ordinarily be completed in the first two college years thereby leaving the last two years for concentrated attention to the individual student's field or fields of major interest.

		Sem. Hrs.
ENGLISH		12
101	Writing and Speaking	3
102	Writing and Speaking	3
201	Introduction ta Literature	3
202	Introduction to Literature	3
NATURAL SCIENCE		12
101	Introduction to Biological Science	3
102	Introduction to Biological Science	3
103	Introduction to Physical Science	3
104	Introduction to Physical Science	3

Exceptions:

1. Students majoring, minoring, or taking an area in science will be excused from Science 101, 102, 103, and 104 except as a department may specifically require one or more of these courses.

2. Students following the various pre-professional programs requiring specific science courses may meet the general education requirements in science with these required courses, provided a minimum of twelve hours of such credit is earned and also provided that at least six hours of the science credit involves laboratory work.

3. Students beginning work in a pre-professional program, or pursuing a major, minor, or area of concentration in science, but later changing from that program, may count such science credit as has been completed on the general education requirement in science, provided that the science credit earned includes six hours in physical science and six hours in biological science, and also provided that at least six hours of the science credit involves laboratory work.

SOCIAL SCIENCE	12
Elective in Social Science	6
Social Science	
300 Current World Problems	3
History	
400 American Foundations	3

Exceptions:

1. Students taking the social science area do not take Social Science 300 or History 400 except as these courses are required in the area.

2. Students having credit for a year of American History at the college level do not take History 400.

HUMANITIES	6
Fine Arts	
160 Appreciation of the Fine Arts	3
Philosophy	
200 Introduction to Philosophy	3

Exception: Six hours in a foreign language may be offered to meet this requirement.

PSYCHOLOGY	3
153 General Psychology	3

PHYSICAL EDUCATION AND HEALTH	4
Health	
150 Personal Health	2
Four activity courses	2

Requirements for Certificates and Degrees

THE BACHELOR OF ARTS DEGREE

I. The Bachelor of Arts Degree and the Provisional Elementary Certificate

a. EDUCATION	Sem. Hrs.
100 Orientation in Education	1
210 Human Growth and Development	3
321 Teaching of Arithmetic	3
326 Teaching of Reading	3
427 Professional Semester	15
Minimum in Education	(25)

b. ENGLISH	
101 Writing and Speaking	3
102 Writing and Speaking	3
201 Introduction to Literature	3
202 Introduction to Literature	3
Minimum in English	(12)

c. SOCIAL SCIENCE	
300 Current World Problems	3
Geography	
100 Fundamentals of Geography	3
300 Regional Geography	3
History	
400 American Foundations	3
Elective in Social Science	6
Minimum in Social Science	(18)

d. SCIENCE	
101 Introduction to Biological Science	3
102 Introduction to Biological Science	3
103 Introduction to Physical Science	3
104 Introduction to Physical Science	3
390 Science for the Elementary Teacher	3
Minimum in Science	(15)

e. FINE ARTS
160 Appreciation of the Fine Arts ---------- 3
Art
121 Public School Art ---------- 3
221 Advanced Public School Art ---------- 2
Music
100 Rudiments of Music ---------- 2
221 Music for the Elementary Teacher ---------- 2
Minimum in the Fine Arts ---------- (12)

f. PHYSICAL EDUCATION AND HEALTH
Health
300 Health in the Elementary School ---------- 2
Physical Education
300 Physical Education in the Elementary School --- 2
Four activity courses ---------- 2
Minimum in Physical Education and Health - (6)

g. LIBRARY SCIENCE
227 Literature and Materials for Children ---------- 3

h. HOME ECONOMICS
302 Nutrition for Elementary Teachers ---------- 2

i. SPEECH
300 Oral Communication ---------- 3

j. PSYCHOLOGY
153 General Psychology ---------- 3

k. PHILOSOPHY
200 Introduction to Philosophy ---------- 3

l. FRESHMAN ORIENTATION ---------- 1
(Required of all first semester freshmen)

m. A minor in some academic field ---------- 18*

n. ELECTIVE ---------- 8
Minimum for the degree ---------- 128

*The minor selected may include some of the hours in the general education requirements. In this case the number of elective hours will be increased accordingly.

II. The Bachelor of Arts Degree and the Provisional High School Certificate

a. EDUCATION — Sem. Hrs.

100	Orientation in Education	1
210	Human Growth and Development	3
300	Introduction to Student Teaching	0*
477	Professional Semester	15
	Minimum in Education	19

*Credit granted as a part of Student Teaching

b. ENGLISH

101	Writing and Speaking	3
102	Writing and Speaking	3
201	Introduction to Literature	3
202	Introduction to Literature	3
	Minimum in English	(12)

c. SOCIAL SCIENCE (note exceptions—P. —)

	Elective in Social Science	6
300	Current World Problems	3
	History	
400	American Foundations	3
	Minimum in Social Science	(12)

d. SCIENCE (Note exceptions— P. —)

101	Introduction to Biological Science	3
102	Introduction to Biological Science	3
103	Introduction to Physical Science	3
104	Introduction to Physical Science	3
	Minimum in Science	(12)

e. PHILOSOPHY

200	Introduction to Philosophy	3

f. PSYCHOLOGY

153	General Psychology	3

g. FINE ARTS

160	Appreciation of the Fine Arts	3

h. PHYSICAL EDUCATION AND HEALTH

Health

150 Personal Health ---------- 2

Four activity courses ---------- 2

Minimum in Physical Education and Health_ (4)

i. FRESHMAN ORIENTATION ---------- 1

(Required of all first semester freshmen)

j. MAJOR STUDY

Two academic majors of not less than 24 semester hours each; or one academic major of not less than 24 hours and two academic minors of not less than 18 hours each; or an area of concentration of not less than 48 semester hours ----------48-60*

k. ELECTIVES ---------- 3-11

Minimum for the degree ---------- 128

*The major, minor, or area selected may include some of the hours in the general education requirements. In this case the number of elective hours will be increased accordingly.

III. The Bachelor of Arts Degree (Without a Certificate)

a. FOREIGN LANGUAGE Sem. Hrs.

One foreign language ---------- 12

b. MATHEMATICS

College Algebra and Trigonometry or the equivalent -- 7

c. ENGLISH

101 Writing and Speaking ---------- 3

102 Writing and Speaking ---------- 3

201 Introduction to Literature ---------- 3

202 Introduction to Literature ---------- 3

Minimum in English ---------- (12)

d. SOCIAL SCIENCE (Note exceptions–p. –)

Elective in Social Science ---------- 6

300 Current World Problems ---------- 3

History

400 American Foundations ---------- 3

Minimum in Social Science ---------- (12)

e. SCIENCE (note exceptions—p. –

101	Introduction to Biological Science	3
102	Introduction to Biological Science	3
103	Introduction to Physical Science	3
104	Introduction to Physical Science	3
	Minimum in Science	(12)

f. PSYCHOLOGY

153	General Psychology	3

g. PHYSICAL EDUCATION AND HEALTH

Health

150	Personal Health	2
	Four activity courses	2
	Minimum in Physical Education and Health	(4)

h. FRESHMAN ORIENTATION ---------- 1
(Required of all first semester freshmen)

i. MAJOR STUDY
Two academic majors of not less than 24 semester hours each; or one academic major of not less than 24 hours and two academic minors of not less than 18 hours each; or an area of concentration of not less than 48 semester hours ---------- 48-60*

k. ELECTIVES ---------- 5-17
Minimum for the degree ---------- 128

*The major, minor, or area selected may include some of the hour in the general education requirements. In this case the number of elective hours will be increased accordingly.

THE BACHELOR OF SCIENCE DEGREE

I. The Bachelor of Science Degree and the Provisional High School Certificate

The requirements for this degree are the same as those for the Bachelor of Arts Degree and the Provisional High School Certificate with the following exception—To qualify for the Bachelor of Science degree the student must earn credit for a minimum of 60 semester hours in the following subjects—agriculture, biology, chemistry, commerce, geology, home economics, industrial arts, library science, mathematics, and physics.

II. The Bachelor of Science Degree (Without a Certificate)

The requirements for this degree are the same as those specified for the Bachelor of Arts Degree (Without a Certificate) with the following exceptions–(a) To qualify for the Bachelor of Science degree the student must earn credit for a minimum of 60 semester hours in the following subjects–agriculture, biology, chemistry, commerce, geology, home economics, industrial arts, library science, mathematics, and physics; and (b) there is no foreign language requirement for this degree.

Graduate Study

Morehead offers two general programs of graduate study. The first of these, leading to the degree of Master of Arts in Education, is designed to provide a fifth year of training for teachers in the elementary and secondary schools, supervisors, guidance counselors, and administrators. The second, consisting of twenty-four hours of work beyond the master's degree, is offered to accommodate those students who wish to qualify for Rank I under the Kentucky Foundation Program.

REQUIREMENTS FOR THE MASTER'S DEGREE

I. Admission to Graduate Work

1. Graduates of accredited four-year colleges are admitted to graduate work on application to the Director of Graduate Study. This application must be accompanied by a transcript of undergraduate credit.
   Depending upon the quality of work as an undergraduate, the applicant will be accepted as a graduate student *unconditionally* or *conditionally*. *Unconditional acceptance* means that the individual concerned may, in all probability, be granted the master's degree on completion of the minimum thirty hours of graduate work. *Conditional acceptance* means that the individual concerned will probably be required to earn more than the minimum thirty hours required for the degree or may be advised, after a suitable trial period, to discontinue his graduate program. In either case the decision is reviewed at the time the student applies for candidacy for the degree.
   Admission to classification as a graduate student does not necessarily mean that the student will be admitted to candidacy for the master's degree.
2. Graduates of non-accredited colleges must meet the Morehead requirements for graduation before their applications for admission to graduate work will be approved.
3. If the student's undergraduate preparation is inadequate, this deficiency must be satisfied by taking designated courses which will not be counted for graduate credit.
4. Seniors at Morehead who lack no more than six semester hours of completing requirements for the baccalaureate degree, are permitted to enroll for graduate courses and remove the

undergraduate deficiencies while proceeding with their graduate programs. Credit for full-time residence as a graduate student will not be granted for a semester or term during which a student is removing undergraduate deficiencies. The graduate residence allowance for the semester or term will be reduced one week for each semester hour of undergraduate deficiency being removed.

II. Admission to Candidacy

If the student expects to qualify for the master's degree he should

1. Complete the form—Application for Candidacy for the Master's Degree—which may be secured from the Director of Graduate Study.
   a. If the student begins his work during a summer term, this form should be completed at the close of the first term in residence as a graduate student.
   b. If the student begins his graduate work during a regular semester, this form should be completed immediately after the close of the ninth week of the semester.
   c. If the student begins his work on a part-time basis, he should file this form immediately after completing eight hours of graduate work.
   d. The Application for Admission to Candidacy must be filed with the Director of Graduate Study before the student begins the last half of his graduate program (the last 15 hours). *The master's degree will not be granted at the time expected by the student unless this procedure is followed.*
2. Take a comprehensive qualifying examination.

The decision of the Graduate Council concerning the student's admission to candidacy is based on his:

1. Recommendation from the Department of Education.
2. Record as an undergraduate student.
3. Accomplishment in graduate courses.
4. Accomplishment on the required test battery and the qualifying examination.
5. Personal fitness for the profession of teaching.

III. Requirements for the Master's Degree

1. The master's degree may be earned in either of two ways—
   a. If the student elects to write a thesis, the degree may be secured by completing a minimum of 36 weeks in residence and a minimum of 24 hours of work in regular courses.

b. If the student so desires, he may elect to do additional course work in lieu of writing a thesis. In this event the minimum requirements for the degree are 30 semester hours and 36 weeks of residence.

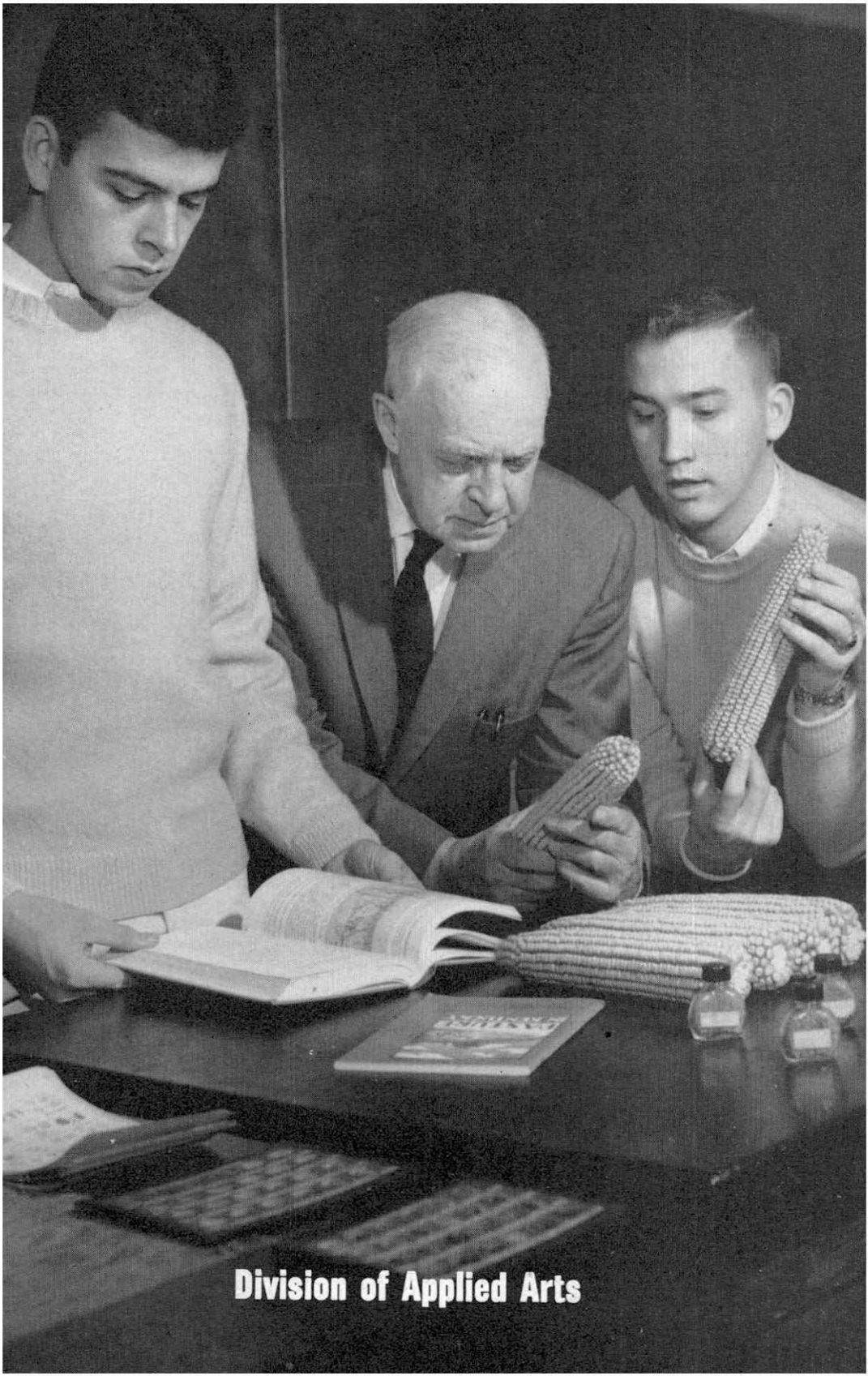
2. The student is required to earn an average standing of B on all work offered for the degree and no credit is allowed for a mark below C.
3. A minimum of one-half of the course requirements and at least one-half of the residence work must be completed as a full-time graduate student.
4. In all cases the requirements for the degree must be completed within five years from the date of beginning graduate work.
5. Before the master's degree is granted the candidate must be qualified to receive a teaching certificate based on a four-year undergraduate program. (The certificate referred to may be either a Kentucky certificate or a teaching credential valid in another state.)

IV. General Regulations

1. Graduate students may enroll in designated upper-division courses, for which they are qualified, but at least 50 percent of all course work must be earned in courses open only to graduate students (courses numbered 500 and above).
2. The following will not be accepted on the minimum requirements for the master's degree—
   a. Work completed by the candidate as an undergraduate.
   b. Work completed in undergraduate courses as a special student.
   c. Credit earned in lower-division courses.
   d. Credit earned by correspondence.
3. The minimum full-time graduate load for a semester is nine semester hours (summer term five semester hours), and no graduate student is permitted to earn more than 16 hours of credit during any semester or more than eight hours in a summer term.
4. In evaluating residence for part-time students, one semester hour of class work entitles the student to one and one-half weeks of residence. The regulation applies to students who enroll for less than the minimum full-time load.
5. Students holding what would ordinarily be considered as full-time positions are not permitted to receive more than four semester hours of credit during any semester.

6. A maximum of six semester hours of transferred credit may be offered in fulfillment of course requirements with the approval of the Graduate Council.
7. A maximum of six semester hours may be earned in approved off-campus study centers. The courses taken may be either 500 courses, in which instance all students enrolled must be graduates; or they may be approved upper-division undergraduate courses, and in this case all students enrolled must have a minimum of 57 semester hours of undergraduate credit. When enrolling for these off-campus courses the student should secure prior approval from the Director of Graduate Study.

Note: In no case will a student be permitted to offer more than six hours of transferred and/or study-center credit. In other words, at least 24 hours of residence credit must be earned at Morehead.



Division of Applied Arts

Division of Applied Arts

Mr. Grote, Chairman
Mr. Apel
Miss Bolin
Mr. Conyers
Mrs. Conyers
Miss Cox
Mrs. Dunagan
Mr. Haggan
Mrs. Hale
Miss Kauffman
Miss Martin
Mr. Mays
Mr. Roberts

Objectives:

1. To develop on the undergraduate and graduate levels specialized professional and technical competencies required of students preparing to teach vocational and practical arts courses in secondary schools.
2. To contribute to the basic education of students destined for other occupations and professions and teachers of general education subjects in the elementary and secondary schools.
3. To provide instruction in vocational and practical arts courses required of students majoring in other subject-matter fields, as a service program to the college.
4. To develop vocational competencies required of those who desire to enter the "World of Work" upon the completion of one-, two-, or three-year programs of instruction.
5. To contribute to the preparation of graduate students for college teaching, as well as for other positions of leadership, in the field of vocational and practical arts.
6. To provide in-service programs for persons concerned with the continued growth and development of vocational and practical arts education by utilizing our facilities and faculty on the campus as well as by providing professional services within our area.
7. To assist in the further improvement of the "underdeveloped" areas of Eastern Kentucky relative to educational, social, and economic forces affecting these areas.

AGRICULTURE

Mr. Haggan

Objectives:

1. To assist in the development of the competencies required of those persons preparing to teach vocational agriculture or serve as a county agent.
2. To contribute to the preparation of those persons who plan to work in related business and industrial occupations.
3. To develop a greater appreciation of a rural way of life that leads to a higher standard of living and a broader understanding of the impact of agriculture upon our social and economic structure.
4. To assist students in developing those competencies required of successful farm managers.
5. To develop professional and lay leaders for more effective community service.
6. To contribute to the further development of the region by assisting those groups interested in improving the educational, social, and economic status of the area.

Requirements:

For a Major in Agriculture:	Sem. Hrs.
Agriculture 111, 180, 215, 237, 336, and 415	20
Elective in agriculture approved by the department	6
Total for a Major	26

For a Minor in Agriculture:	
Agriculture 111, 180, 215, 237	13
Elective in agriculture approved by the department	6
Total for a Minor	19

The Two-Year Program in Agriculture:

This two-year curriculum may be considered as a basic program for persons preparing to teach vocational agriculture or serve as a county agent as well as those desiring to enter occupations included under the following classifications:

1. *Agricultural Technology* – Provides an opportunity for

training designed to serve those students primarily interested in such fields as agricultural extension, farm operation, certain U. S. D. A. services, and various other positions requiring technical proficiency in agriculture.

2. *Agricultural Science*—Primarily for students interested in graduate work in their chosen subject-matter field or profession as well as for those interested in scientific phases of agriculture.
3. *Agricultural Business*—Provides an opportunity for formal preparation designed to serve those students interested in the wide range of jobs in the administrative, sales, and managerial aspects of the agricultural industry.

REQUIRED COURSES: Sem. Hrs.

Agriculture 111, 133, 180, 215, 237, and 336 18
(Agriculture 334G may be substituted with the approval of the advisor.)

Required courses in other fields:

Freshman Orientation	1
English 101 and 102	6
Mathematics 151 and 152 (May substitute Mathematics 101)	4
Inorganic Chemistry 111 and 112	8
Physical Education—four activity courses	2

Additional Requirements:

Group I selected from: Biology 101, 210, 215, 317, 318, 337, and 413G	11
Group II selected from: Philosophy 200, English 201, 341, 342, and History 344	6
Group III selected from: Speech 182, 280, 281	6
Group IV selected from: Psychology 153, Sociology 170, 201, Geography 211, Political Science 241	9
Total:	71

Agricultural Education*

FRESHMAN YEAR

	First Semester			Second Semester	
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
P.E.	Activity course	½	P.E.	Activity course	½
	Freshman Orientation	1	Ag.	215—Horticulture	3
Ag.	133—Farm Livestock Production	3	Ag.	237—Poultry	3
Ag.	180—Elementary Field Crops	3	Math.	152—College Algebra	2
Sci.	101—Intro. to Biological Sci.	3	Ag.	170—Rural Sociology	3
Math.	151—College Algebra	2		Group II elective	3
Psy.	153—General Psychology	3			
		18½			17½

SOPHOMORE YEAR

First Semester			Second Semester		
P.E.	Activity course	½	P.E.	Activity course	½
Chem. 111	—General Chemistry	4	Chem. 112	—General Chemistry	4
	Group I elective	4	Ag. 111	—Soils	3
Ag. 336	—Dairying	3	Ag. 415	—Animal Nutrition	4
	Group II elective	3	Eng. 280	—Basic Speech	3
	Group III elective	3		Group IV elective	3
		17½			17½

* This suggested two-year curriculum will serve as a foundation for programs in agricultural technology, agricultural science, and agricultural business.

Preveterinary Medicine

The State of Kentucky is a participating member in the Southern Regional Plan for training veterinarians, and arrangements have been made for the Alabama Polytechnic Institute at Auburn, Alabama, to accept ten students, residents of Kentucky, in veterinary medicine each year. Selection of these students is made by a state committee, and to be considered for appointment the student must have attained a point standing of 2.25 (C plus) in a two-year program of preveterinary training. Students receiving these appointments are admitted to Alabama Polytechnic Institute on the same basis as residents of Alabama.

Students wishing to be considered for these appointments should enroll for the following program. If admission to the program sponsored by the Southern Regional Education Board is not secured at the end of two years, the credits earned may be applied on a degree at Morehead.

FRESHMAN YEAR

First Semester			Second Semester		
Eng. 101	—Writing and Speaking	3	Eng. 102	—Writing and Speaking	3
P.E.	Activity course	½	P.E.	Activity course	½
	Freshman Orientation	1	Math. 141	—Plane Trigonometry	3
Math. 151	—College Algebra	2	Math. 152	—College Algebra	2
Chem. 111	—General Chemistry	4	Chem. 112	—General Chemistry	4
Sci. 101	—Intro. to Biological Sci.	3	Biol. 210	—General Zoology	4
Ag. 133	—Farm Livestock Production	3			
		16½			16½

SOPHOMORE YEAR

First Semester			Second Semester		
P.E.	Activity course	½	P.E.	Activity course	½
Chem. 331	—Organic Chemistry	5	Chem. 332	—Organic Chemistry	5
Phys. 131	—Elementary Physics	4	Phys. 132	—Elementary Physics	4
Ag. 237	—Poultry	3	Biol. 317	—Bacteriology	
Biol. 215	—General Botany	4		or	4
Hist. 242	—The U.S. 1865 to the Present	3	Biol. 338	—Vertebrate Embryology	
			Ag. 415	—Animal Nutrition	4
		19½			17½

Note: An additional requirement in this program—Medical Vocabulary, three hours—should be taken by correspondence during the summer.

Preforestry

Arrangements made through the Southern Regional Education Board provide for students, residents of Kentucky, who wish to prepare as professional foresters to do the first two years of their work at Morehead and complete their training in two years and one summer at North Carolina State College in Raleigh.

FRESHMAN YEAR

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
P.E.	Activity course	½	P.E.	Activity course	½
	Freshman Orientation	1	Math.	152—College Algebra	2
Math.	151—College Algebra	2	Math.	271—Analytic Geometry	3
Math.	141—Plane Trigonometry	3	Chem.	112—General Chemistry	4
Chem.	111—General Chemistry	4	Hist.	132—History of Civilization	3
Hist.	131—History of Civilization	3		Humanities elective	3
Sci.	101—Intro. to Biological Sci.	3			
		19½			18½

SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
P.E.	Activity course	½	P.E.	Activity course	½
Biol.	215—General Botany	4	Biol.	210—General Zoology	4
Phys.	131—Elementary Physics	4	Chem.	225—Organic Chemistry	4
Ag.	111—Soils	4		Humanities elective	3
Math.	361—Differential Calculus	4	Biol.	316—Dendrology	3
			Econ.	201—Principles of Economics	3
		19½			20½

It is suggested that students enrolling for this program may do well to count on using the summer term between the first and second years to complete a portion of the program.

DESCRIPTION OF COURSES

Agriculture 101. General Agriculture. Three hours.

The part the community plays in meeting national goals in agriculture production; studying the structure of a rural community and how it functions; the organizations that operate therein and how to use them for community betterment; the promotion of rural recreation and the development of hobbies; beautification of the farmstead and community; importance of animals and crops to the community; organizing the community's resources for the good of all; getting acquainted with field crops and farm animals, their improvement and care; making the family and community more self sufficient; and other related topics.

Agriculture 111. Soils. Four hours.

Prerequisite: Chemistry 111.

Origin of soils and their properties; supply and availability of plant nutrients; fertilizers, limes, manures—their care and applications;

microbial populations; soil and plant relationships; crop production and soil fertility; testing soils for plant foods; conservation; terracing, drainage, contours, strip farming and related subjects.

Agriculture 133. Farm Livestock Production. Three hours.

Importance of livestock to agriculture; origin of cattle; beef cattle and types; market classification; feeder and stocker cattle–feeding and management, breeding; dairy and dual purpose cattle–milk secretion, milk production, consumption of milk, breeding; swine–types, breeding, market classes, feeding and management; sheep (same as for swine); horses and mules; farm and light horses.

Agriculture 170. Rural Sociology. Three hours.

Rural and urban contrasts in ways of life; patterns of rural settlement; types of rural communities; studies in rural population and migration; patterns of social interaction; rural social institutions–economic, school, church, family, government; social pathology and welfare; rural health, medical services and facilities. Special emphasis is laid on rural life in Kentucky and surrounding areas.

Agriculture 180. Elementary Field Crops. Three hours.

General farm crops and their classification; how to secure and produce quality seeds; kinds of pastures, meadows, and their improvement; recent crop introductions to Kentucky and their culture; modern agricultural machinery and its use in better seed bed preparation and harvesting; judging and grading of grains; better use of fertilizers, limes, manures, and crop residues; the cereals, legumes and other field crops; use of hormones in weed control; better methods of tobacco production.

Agriculture 201. Principles of Economics. Three hours.

Prerequisite: Sophomore standing.

Economic organization; production and the forms of business units; consumption and the laws of price, money, banking and exchange; distribution of wealth and income.

Agriculture 213. Elementary Landscape Design. Three hours.

The development and maintenance of lawns; selection, location, and care of deciduous and ornamental trees, herbaceous perennials, and evergreens; pruning and spraying of plants; planting of annuals, bulbs, and development of borders. Emphasis is placed on the use of suitable local materials, plants effective in the landscaping of school grounds, the rural church and cemetery.

Agriculture 215. Horticulture. Three hours.

Selection of site, location, etc.; adaptable commercial varieties; methods of planting the orchard; various systems of culture, fertilization and pruning; spraying for insects, disease, and with the hormones preventing fruit drop; harvesting, storage and marketing.

Agriculture 216. Floriculture. Two hours.

The elementary principles of growing flowers outdoors and decorative plants indoors. Topics to be considered will be: soil sterilization, soil mixes, seeding in flats, transplanting, uses of hormones, culture, pinching, fertilization, annual and perennial borders, insect and disease control as well as information regarding the construction and use of small plastic greenhouses.

Agriculture 237. Poultry. Three hours.

Survey of poultry industry; classification; anatomy and physiology; principles of breeding and practices; incubation and its problems; brooding and rearing principles and practices; feeding principles and practices; diseases and parasites; marketing eggs and birds; poultry farm management; turkey production and management.

Agriculture 280. Agricultural Economics. Three hours.

Prerequisite: Agriculture 201.

Development of agriculture and agricultural economics; farm population and farm life; price economy; geographic factors; interest, wages, and profits; proportioning of land, labor, and capital; farm credit; land tenure; and cooperative marketing movements.

Agriculture 301G. Farm Management. Three hours.

Farm management functions; large and small scale operations; one crop farms compared with specialized type farms; relation of the farm to the farm family welfare; location of various type farms and size of farms for successful operation; adjusting farm production to markets and prices; what constitutes successful farming; farm layouts; economy in use of machinery; farm credit; tenantry, various forms of farm leases; and farm records.

Agriculture 304G. Genetics. Three hours.

(Also Biology 304G)

Prerequisite: Biology 210 or 215.

Elementary Mendelism, cytological basis of Mendelism, sex-related inheritance, lethal genes, multiple alleles, collaboration of genes, quantitative inheritance, mutation theory of the gene, cytoplasmic inheritance, evolution.

Agriculture 305. Marketing of Farm Products. Three hours.

Prerequisites: Agriculture 201 and 280.

Development of geographical specialization; demand for farm products, human and industrial; supply; bringing supply and demand together; meeting fluctuations in market prices, cyclic and seasonal; hedging in futures; reducing costs of marketing such as grain, livestock and livestock products, horitcultural products; use of cooperatives.

Agriculture 311. Soil Conservation. Three hours.

Importance and application of soil-conserving methods, types of machinery needed; planning and managing individual farms; soil mapping, plants used, etc.

Agriculture 313. Advanced Landscape Design. Three hours.

Prerequisite: Agriculture 213.

Woody plant materials used in planting design; identification of genera and species of deciduous and evergreen shrubs and ornamental trees; soil and site requirements; fertilization and mulching practices; propagation of important species; and techniques for the determination and control of plant pests and diseases.

Agriculture 314. Plant Propagation. Three hours.

Methods of propagation for annuals, perennials, bulbs and tubers, and woody plants; use of cold frames, hotbeds, and greenhouses; seed bed preparation and transplanting techniques in lath houses; construction of cold frames, lath houses and storage buildings.

Agriculture 315G. Small Fruits. Three hours.

Geographical distribution of the industry; development of varieties and their characteristics; grape, strawberry, raspberry, blackberry, loganberry, boysenberry, gooseberry, currant, etc.; planting, care, harvesting, marketing, frozen fruits and varieties best suited.

Agriculture 334G. Agricultural Entomology. Three hours.

Prerequisite: Biology 210.

General structure of insects, life histories, common orders and families, and insects in relation to man. Two lecture-discussion and two laboratory hours per week.

Agriculture 336. Dairying. Three hours.

Survey of the dairy industry in relation to numbers and national income; economics of the industry; important dairy breeds; types of

dairy farming and breed selection; heredity and its use in improving animals; systems of breeding; purebred business; raising young stock, feeding and management; common diseases; market milk and its handling.

Agriculture 337. Dairy Cattle Feeding and Management. Three hours.

Comparison of breeds as economical dairy producers; adaptation to geographical areas; feeding and proper housing; judging pedigrees; registration in its various forms; dairy farm equipment; use of hormones; pastures.

Agriculture 384. Forage Crops. Three hours.

Prerequisites: Agriculture 180 and Biology 215.

Importance and choice of forage crops; seeds and seeding; meadows, pastures, and principal grass forage crops; principal legume forage crops; sorghums, root crops, hay, silage, etc. Emphasis on those crops used in Kentucky agriculture.

Agriculture 415G. Animal Nutrition. Four hours.

Prerequisite: Chemistry 111.

Digestive systems of the various kinds of livestock; nutritive value of various kinds of feeds; their effect on animal and product; compounding rations; vitamins; value of various kinds of pastures and legumes for forage; comparison of various kinds of silages.

COMMERCE AND BUSINESS ADMINISTRATION

Mr. Conyers Mrs. Conyers Mr. Apel
Miss Martin Miss Cox

Objectives:

1. To prepare teachers of business subjects for secondary schools.
2. To provide an area of concentration in business administration, as a part of a four-year college program, for those students who plan to follow careers in business or related types of activities after graduation.
3. To supplement and broaden the general education programs of students by providing areas of study which cover basic principles of business useful in everyday living.
4. To provide one-year and two-year vocational courses for students interested in office occupations.

5. To provide instruction on the graduate level for students who have majors and/or minors in commerce or business administration.

PREPARATION FOR TEACHING

If the student wishes to concentrate his college work in a single area, he may complete the following curriculum in commerce in order to satisfy the college requirements for graduation. No other major or minor will be required, provided this program is followed, and the student will receive the Provisional High School Certificate valid in commerce upon graduation.

AREA FOR BUSINESS TEACHERS

8 hours in Accounting: 381, 382
11 hours in Secretarial Practice: 213, 232, 235, 331
4 hours in Secretarial Practice selected from: 211, 212, 332, 333
18 hours in General Business selected from: 101, 160, 221, 236, 360, 364, 450, 451G, 461G, 462G, 465G
4 hours in Materials and Methods: 375, 475
1 hour in Seminar 471
6 hours electives in Commerce

52 hours minimum

In selecting courses to fulfill the general requirements for graduation the major in commerce must include in his program Economics 201 and Basic Speech 280.

MAJOR OR MINOR IN COMMERCE

Students wishing to use commerce as a second major or as a minor may satisfy the requirements by completing any one of the three programs listed below. It should be noted that completion of one of these specialized majors of 26 hours, or minors of 18 hours, does not earn for the student the Provisional High School Certificate valid in commerce. It provides for certification only in the business subjects in which adequate training has been received. A student taking a major in Secretarial Science would be certified to teach typewriting, shorthand, and secretarial or office practice, but would not be certified for bookkeeping, general business, salesmanship, business law or other business subjects. Since most business teachers in Kentucky teach in small high schools where they are expected to teach all the business subjects, these programs are recommended only

for those who plan to teach in some other field and who are using commerce merely to supplement or broaden their background in this field or for possible vocational use.

Requirements:

1. For a Major in Secretarial Science with teacher's certificate
   15 hours in Secretarial Subjects selected from: 211, 212, 213, 231, 232, 331, 332, 333
   2 hours in Materials and Methods: 375
   3 hours in General Business: 221
   6 hours electives selected from: 235, 238, 332, 333

   26 hours Minimum

   For a Minor in Secretarial Science with teacher's certificate
   14 hours in Secretarial Subjects selected from: 211 or 212, 213, 231, 232, 331, 332, 333
   2 hours in Materials and Methods: 375
   4 hours electives selected from: 221, 235, 236

   20 hours Minimum

2. For a Major in General Business with teacher's certificate
   14 hours in General Business selected from: 101, 221, 360, 364, 450, 461G, 462G, 465G
   8 hours in Accounting: 381, 382
   2 hours in Secretarial Subjects: 211 or 212
   2 hours in Materials and Methods: 475

   26 hours Minimum

   For a Minor in General Business with teacher's certificate
   18 hours in General Business selected from: 101, 160, 221, 236, 364, 450, 461G
   2 hours in Secretarial Subjects: 211 or 212

   20 hours Minimum

3. For a Major in Accounting with teacher's certificate
   16 hours in Accounting chosen from: 381, 382, 480G, 481G, 482G
   6 hours in General Business selected from: 101, 236, 364, 461G, 465G
   2 hours in Secretarial Subjects: 211 or 212
   2 hours in Materials and Methods: 475

   26 hours Minimum

For a Minor in Accounting with teacher's certificate
14 hours in Accounting chosen from: 381, 382, 383G, 480G, 481G
4 hours in General Business selected from: 101, 236, 364, 450, 471
2 hours in Materials and Methods: 475

20 hours Minimum

PREPARATION FOR BUSINESS

Students preparing for business may elect a general major in commerce with a second major in economics and sociology, or some other field, and secure a Bachelor of Arts Degree or they may secure a Bachelor of Science Degree with an area of concentration in business administration by completing the major requirements of 50 hours of work in economics, geography, and commerce together with the general requirements for this degree.

Requirements for a General Major in Commerce and the Bachelor of Arts Degree:

	Sem. Hrs.
Commerce 160, 381, 382, and 461G	14
Electives in commerce approved by the department	10
Minimum	24

Requirements for a General Minor in Commerce and the Bachelor of Arts Degree:

Commerce 381, 382, and 461G	11
Electives in commerce approved by the department	7
Minimum	18

Requirements for the Bachelor of Science with an Area of Concentration in Business Administration:

This program is designed to prepare the student for more than a mere clerical job upon the completion of his college training. After a period of apprenticeship or training on the job, the graduate should be prepared for a career in business or related types of activities.

College and Department Requirements:	Sem. Hrs.
English	15
Composition (6), Literature (6), Basic Speech (3)	

Science	12
Introduction to Biological Science (6), and Introduction to Physical Science (6)	
Mathematics	10
College Algebra (4), Mathematics of Finance (3), and Statistics (3)	
Social Science	12
World Problems (3), American Foundations (3), and Electives–other than Economics–(6)	
Humanities	6
Appreciation of the Fine Arts (3), and Introduction to Philosophy (3)	
Psychology	3
General Psychology (3)	
Health and Physical Education	4
Personal Health (2), and Activity (2)	
Orientation	1
Freshman Orientation (1)	
Electives	15

Major Requirements: Sem. Hrs.

Commerce 160 Introduction to Business	3
Economics 201 Principles of Economics	3
Economics 202 Economic Problems	3
Geography 211 Economic Geography	3
Commerce 211 Typewriting	2
Commerce 221 Business English	3
Economics 304 Marketing	3
Commerce 360 Corporate Finance	3
Commerce 381 Principles of Accounting	4
Commerce 382 Principles of Accounting	4
Economics 442G Money and Banking	3
Commerce 450 Salesmanship	3
Commerce 461G Business Law	3
Commerce 462G Business Law	3
Commerce 465G Principles of Management	3
Commerce 481G Intermediate Accounting	4
	50
Total	128

SUGGESTED PROGRAMS

The following programs have been devised to help students in selecting their courses and making their schedules. These suggested schedules need not be followed specifically from semester to semester, but close adherence to them will aid the student in meeting all requirements for graduation.

Provisional High School Certificate with an Area of Concentration in Commerce

FRESHMAN YEAR

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
P.E.	Activity course	½	P.E.	Activity course	½
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
Sci.	101—Intro. to Biological Sci.		Sci.	102—Intro. to Biological Sci.	
or		3	or		3
Sci.	103—Intro. to Physical Sci.		Sci.	104—Intro. to Physical Sci.	
Com.	101—Business Arithmetic	3	Com.	160—Intro. to Business	3
Hlth.	150—Personal Health	2	*F.A.	160—Apprec. of the Fine Arts	3
Com.	211—Beginning Typewriting		Psy.	153—General Psychology	3
or		2			
Com.	212—Intermediate Typewriting				
Geog.	100—Fundamentals of Geography	3			
		17½			16½

SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
P.E.	Activity course	½	P.E.	Activity course	½
Sci.	103—Intro. to Physical Sci.		Sci.	104—Intro. to Physical Sci.	
or		3	or		3
Sci.	101—Intro. to Biological Sci.		Sci.	102—Intro. to Biological Sci.	
Ed.	210—Human Growth and Development I	3	Ec.	201—Principles of Economics	3
			Com.	221—Business English	3
Com.	212—Intermediate Typewriting		Com.	232—Intermediate Shorthand	4
or		2	or		
Com.	213—Advanced Typewriting		Com.	331—Dictation and Transcription	3
Com.	231—Beginning Shorthand				
or		4			
Com.	232—Intermediate Shorthand				
Com.	235—Secretarial Office Machines	2			
		17½			15½ or 16½

JUNIOR YEAR

First Semester			Second Semester		
*Phil.	200—Intro. to Philosophy	3	Spch.	280—Basic Speech	3
Com.	381—Principles of Accounting	4	Ed.	300—Intro. to Student Teaching	0
Com.	331—Dictation and Transcription		S.S.	300—Current World Problems	3
or		3	Com.	382—Principles of Accounting	4
Com.	332—Sec. Procedure and Practice		Com.	375—Materials & Methods in Secretarial Science	2
Com.	364—Personal Finance	2	Com.	461—Business Law	3
	Elective	3			
		15			15

*Foreign language may be substituted for fine arts and philosophy.

SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	Ed.	477—Professional Semester	15
Com.	450—Salesmanship	3			
Com.	462—Business Law	3			
Com.	471—Seminar	1			
Com.	475—Materials & Methods in Bookkeeping & Gen. Business	2			
	Elective	4			
		16			15

Provisional High School Certificate with a Major in Commerce

FRESHMAN YEAR

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
P.E.	Activity course	½	P.E.	Activity course	½
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
Sci. or Sci.	101—Intro. to Biological Sci. or 103—Intro. to Physical Sci.	3	Sci. or Sci.	102—Intro. to Biological Sci. or 104—Intro. to Physical Sci.	3
Hlth.	150—Personal Health	2	*F.A.	160—Apprec. of the Fine Arts	3
	Elective in Social Science	3		Elective in Social Science	3
	Commerce Major	3		Commerce Major	3
	Second Major	2			
		17½			16½

SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
P.E.	Activity course	½	P.E.	Activity course	½
Sci. or Sci.	103—Intro. to Physical Sci. or 101—Intro. to Biological Sci.	3	Sci. or Sci.	104—Intro. to Physical Sci. or 102—Intro. to Biological Sci.	3
Ed.	210—Human Growth and Development I	3	Psy.	153—General Psychology	3
	Commerce Major	3	*Phil.	200—Intro. to Philosophy	3
	Second Major	3		Commerce Major	2
		15½		Second Major	3
					17½

JUNIOR YEAR

First Semester			Second Semester		
S.S.	300—Current World Problems	3	Ed.	300—Intro. to Student Teaching	0
	Commerce Major	3		Commerce Major	6
	Second Major	6		Second Major	6
	Elective	4		Elective	3
		16			15

SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	Ed.	477—Professional Semester	15
	Commerce Major	6			
	Second Major	6			
		15			15

*Foreign language may be substituted for fine arts and philosophy.

B. S. Degree in Business Administration (Without Certificate)

FRESHMAN YEAR

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
P.E.	Activity course	½	P.E.	Activity course	½
	Freshman Orientation	1	Com.	160—Intro. to Business	3
Sci.	101—Intro. to Biological Sci.		Sci.	102—Intro. to Biological Sci.	
or		3	or		3
Sci.	103—Intro. to Physical Sci.		Sci.	104—Intro. to Physical Sci.	
Com.	101—Business Arithmetic	3	*F.A.	160—Apprec. of the Fine Arts	3
Math.	151—College Algebra	2	Math.	152—College Algebra	2
Hlth.	150—Personal Health	2		Elective in Social Science	3
	Elective in Social Science	3			
		17½			17½

SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
P.E.	Activity course	½	P.E.	Activity course	½
Sci.	103—Intro. to Physical Sci.		Sci.	104—Intro. to Physical Sci.	
or		3	or		3
Sci.	101—Intro. to Biological Sci.		Sci.	102—Intro. to Biological Sci.	
Ec.	201—Principles of Economics	3	Ec.	202—Economic Problems	3
Geog.	211—Economic Geography	3	Math.	252—Mathematics of Finance	3
Psy.	153—General Psychology	3	Com.	211—Beginning Typewriting	
			or		2
			Com.	212—Intermediate Typewriting	
			*Phil.	200—Intro. to Philosophy	3
		15½			17½

JUNIOR YEAR

First Semester			Second Semester		
Com.	381—Principles of Accounting	4	Com.	382—Principles of Accounting	4
Spch.	280—Basic Speech	3	Com.	221—Business English	3
Ec.	304—Marketing	3	Com.	360—Corporate Finance	3
Math.	353—Statistics	3	S.S.	300—Current World Problems	3
	Elective	3		Elective	2
		16			15

SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	Com.	450—Salesmanship	3
Com.	461—Business Law	3	Com.	462—Business Law	3
Com.	481—Intermediate Accounting	4	Com.	465—Principles of Management	3
Ec.	442—Money and Banking	3		Electives	6
	Elective	1			
		14			15

*Foreign language may be substituted for fine arts and philosophy.

OTHER PROGRAMS

A number of students are enrolled in the department who have as their purpose the study of certain subjects until such skill and knowledge are gained as will qualify them for an office position. For these students, a one-year or a two-year curriculum is provided in which special emphasis is given to typewriting, shorthand, business English, business arithmetic, accounting, office machines and secre-

tarial procedure and practice. This work is all on the college level and credit toward a degree is given on the completion of all courses.

One-Year Secretarial Course

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
P.E.	Activity course	½	P.E.	Activity course	½
	Freshman Orientation	1	Com.	212—Intermediate Typewriting	
Com.	101—Business Arithmetic	3	or		2
Com.	211—Beginning Typewriting		Com.	213—Advanced Typewriting	
or		2	*Com.	232—Intermediate Shorthand	4
Com.	212—Intermediate Typewriting		or		
*Com.	231—Beginning Shorthand		Com.	331—Dictation and Transcription	3
or		4	Com.	221—Business English	3
Com.	232—Intermediate Shorthand		Com.	236—Clerical Office Machines	2
Com.	238—Filing	2	Hlth.	150—Personal Health	2
*Com.	235—Secretarial Office Machines	2			
		17½			15½ or 16½

Two-Year Secretarial or General Business Course

FIRST YEAR

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
P.E.	Activity course	½	P.E.	Activity course	½
	Freshman Orientation	1	Com.	212—Intermediate Typewriting	
Com.	101—Business Arithmetic	3	or		2
Com.	211—Beginning Typewriting		Com.	213—Advanced Typewriting	
or		2	*Com.	232—Intermediate Shorthand	4
Com.	212—Intermediate Typewriting		or		
*Com.	231—Beginning Shorthand		Com.	331—Dictation and Transcription	3
or		4	Com.	221—Business English	3
Com.	232—Intermediate Shorthand		Com.	236—Clerical Office Machines	2
Com.	238—Filing	2	Hlth.	150—Personal Health	2
*Com.	235—Secretarial Office Machines	2			
		17½			15½ or 16½

SECOND YEAR

First Semester			Second Semester		
Com.	331—Dictation and Transcription	3	Com.	332—Sec. Procedure and Practice	3
Ec.	201—Principles of Economics	3	Ec.	202—Economic Problems	3
Com.	381—Principles of Accounting	4	Com.	382—Principles of Accounting	4
Com.	213—Advanced Typewriting	2	*Com.	333—Applied Shorthand	2
P.S.	241—Government of the U. S.	3	Com.	383—Income Tax Procedure	3
P.E.	Activity course	½	P.E.	Activity course	½
				Elective	2
		15½			17½

*Students interested in preparing for general clerical, accounting, or sales work may substitute courses with permission of the Head of the Department.

DESCRIPTION OF COURSES

COMMERCE

Commerce 101. Business Arithmetic. Three hours.

Includes a review of basic fundamentals of mathematics; enables the student to develop skill in the use of fractions, decimals, and per-

centages; acquaints the student with the mathematics of buying and selling goods, of overhead and profit, of wages and salary records, of borrowing and lending money, of stocks and bonds, of insurance, and of depreciation and taxes; with emphasis on the student's making computations in business as an employee or as a consumer.

Commerce 160. Introduction to Business. Three hours.

Your business career; economic aspects of business; forms of business organization; business management; managerial controls (accounting, statistics, secretaryship); personnel management; labor-management relations; banking and finance; business risks and insurance; government regulations; production; marketing; distribution; transportation; retailing; advertising; selling.

Commerce 210. Personal Typewriting. Two hours.

This course is for nonbusiness majors and minors who have not had previous training in typewriting. Business majors and minors should take Commerce 211 and 212.

The keyboard; operating parts of the machine; centering; personal letters; simple business letters; manuscript writing; composition at the typewriter; stencils; application letters; and addressing envelopes.

Two demonstration-discussion periods and one laboratory period each week.

Commerce 211. Beginning Typewriting. Two hours.

This course is for business majors and minors. Students who have received one unit of high school credit in typewriting are not permitted to enroll in this course for credit. Those students should enroll for Commerce 212.

The keyboard; operating parts of the machine; vertical and horizontal centering; erasing; business letters; addressing envelopes; carbon copies; tabulation; business forms; and manuscript writing.

Two demonstration-discussion periods and one laboratory period each week.

Commerce 212. Intermediate Typewriting. Two hours.

The entire semester is spent building speed and control with emphasis on production and usable materials.

Tabulated reports; punctuation and placement of letters; manuscript writing; special problems in letter arrangement and business forms; multiple carbons; stencil duplication; and outlines.

Two demonstration-discussion periods and one laboratory period each week.

Commerce 213. Advanced Typewriting. Two hours.

Prerequisite: Commerce 212.

Continued emphasis on speed building with control in production of various types of business forms.

Chain feeding envelopes; telegrams and cards; statistical reports; orders and shipping forms; stencil and spirit duplication; legal papers; employment tests for typists; and application letters.

Two demonstration-discussion periods each week.

Commerce 221. Business English. Three hours.

Prerequisites: English 102 and Commerce 211 or equivalent.

Importance of good English in general and the ability to compose effective business letters.

Commerce 231. Beginning Shorthand. Four hours.

The Gregg System of shorthand as oulined in simplified manuals, stressing theory and brief forms; beginning dictation and pretranscription training. Five class periods a week. Students who have received one unit of high school credit in shorthand are not permitted to enroll in this course for credit. Those students should enroll in Commerce 232.

Commerce 232. Intermediate Shorthand. Four hours.

Review of theory covered in 231. Emphasis is placed on increased speed building in the recording and transcribing of mailable letters with attention to vocabulary building.

Commerce 235. Secretarial Office Machines. Two hours.

Prerequisites: Commerce 211 and 212 or the equivalent.

Long-carriage typewriters; manual and electric typewriters; voice writing machines; Dictaphone and Sound-Scriber; duplicating machines; Mimeograph and spirit duplicator; illuminated drawing boards.

Commerce 236. Clerical Office Machines. Two hours.

Prerequisite: Commerce 101.

A survey course covering the 10-key adding listing machine; the full-keyboard adding listing machine; the key-driven calculator; and the rotary calculator. Vocational competency is developed on all machines except the key-driven calculator.

Commerce 238. Filing. Two hours.

Indexing and filing rules and procedures; alphabetic, correspondence, numeric, geographic, and subject filing systems; filing supplies and equipment.

Commerce 331. Dictation and Transcription. Three hours.

Prerequisites: Commerce 211, 212, 231, and 232 or equivalent.

Review of basic principles. Emphasis is placed on increased speed in recording and transcribing with the goal of accurate and attractive transcripts. The use of dictionaries and reference manuals is stressed.

Commerce 332. Secretarial Procedure and Practice. Three hours.

Prerequisite: Commerce 331.

This course includes the materials, methods, and techniques every secretary should know about various means of communication, handling the mail, human relations, public relations, travel services, etc.

Commerce 333. Applied Shorthand. One to three hours.

Prerequisite: Commerce 331 or the equivalent.

Special secretarial assignments in the various offices on the campus. After conference with employer, the instructor will assign remedial work to enable student to meet employment standards.

An indefinite period of time is spent in the classroom, preparing for job training (a minimum of two class periods a week). For each hour of credit, the student is required to work two hours.

Commerce 360. Corporate Finance. Three hours.

Prerequisites: Economics 201 and Commerce 381.

Forms of business organization; regulation of business; corporate securities; promotion and financing; working capital; administration of income; expansion and combination; readjustment, reorganization, receivership, and dissolution.

Commerce 362. Consumer Education. Three hours.

Prerequisite: Economics 201.

Selection of consumer goods and services; buying habits; advertising and its value to the consumer; agencies for the advice or protection of the consumer; legislation affecting branding, labeling and other economic and industrial problems that affect standards of living.

Commerce 364. Personal Finance. Two hours.

Values; charge accounts; installment buying; borrowing money; budgeting; bank services; savings; insurance; home ownership; investments; taxes; and wills and trusts.

Commerce 375. Materials and Methods in Secretarial Subjects. Two hours.

Prerequisites: Commerce 211 and 212, or equivalent and 231 and 232.

Different methods of presentation; evaluation of textbooks; testing; determination of standards; supplementary reading and collateral material available to the teacher. Each student is to prepare lesson plans and teach at least two demonstration lessons.

Commerce 381. Principles of Accounting. Four hours.

Prerequisite: Commerce 101.

Meaning and purpose of accounting; the balance sheet; the income statement; books of original entry; special journals; adjusting and closing entries; controlling accounts; the voucher system; partnership formation and operation; partnership dissolution; and business practices and procedures. Three lecture-discussion periods and two hours of laboratory work per week.

Commerce 382. Principles of Accounting. Four hours.

Prerequisite: Commerce 381.

Corporate accounts and records; corporate earnings; surplus and securities; accounting for manufacturing firms; cost accounting procedures; departmental and branch accounting; consolidated statements; budgets; and analysis of financial statements. Three lecture-discussion periods and two hours laboratory work per week.

Commerce 383G. Income Tax Procedure. Three hours.

Prerequisites: Commerce 381 and 382.

Tax legislation—federal and state; returns for individuals, estates, partnerships and corporations; application of the principles of accounting.

Commerce 450. Salesmanship. Three hours.

The role of selling in the American economy; the salesman's job and his qualifications; why people buy; price, discount, and credit practices; sales promotion; prospecting; the sales presentation; handling objections; closing the sale; how to improve sales effort; and the selection, training, and promotion of salesmen. Cases are used to emphasize some of the basic principles of selling.

Commerce 451G. Retail Merchandising. Three hours.

Prerequisite: Commerce 450.

Establishing a store; store organizations; buying, pricing, and

selling; planning and control; credit management; insurance; tax reports; and operating analysis. Cases are used to emphasize some of the basic principles of retailing.

Commerce 461G. Business Law. Three hours.

This course is designed to acquaint the student with the basic principles of law as they apply to business. Areas include: legal rights and remedies, court procedure, contracts, agency, employment, negotiable instruments, personal property, bailments, and transportation. Supplementary assignments are used to develop an understanding of the legal framework of business and government.

Commerce 462G. Business Law. Three hours.

A continuation of Commerce 461G. Areas include: sale of goods, insurance, suretyship and guaranty, partnerships, corporations, real property, mortgages and leases, trusts and estates, bankruptcy, and business torts and crimes.

Commerce 465G. Principles of Management. Three hours.

Prerequisites: Commerce 382 and Economics 201.

History of management; organization; capital investment; plant location; plant layout; automation; product research, design, and development; personnel hiring and training; job evaluation and wage determination; time and motion study; cost, production, quality, and inventory control; purchasing; and operations research. Cases which are based on actual business situations are used to emphasize many of the fundamental concepts of management.

Commerce 471. Seminar. One hour.

This course is designed to give students an opportunity to become familiar with the literature in the field of business education and to study special problems in connection with the commerce curriculum and the objectives of business education courses in the junior and senior high school.

Commerce 475. Materials and Methods in Bookkeeping and General Business. Two hours.

Prerequisites: Commerce 381 and 382.

Different methods of presentation; evaluation of texts; testing; determination of standards; supplementary reading and collateral material available to the teacher. Each student is to prepare lesson plans and teach at least two demonstration lessons.

Commerce 480G. Cost Accounting. Four hours.

Prerequisite: Commerce 382.

The field of cost accounting; the voucher system and the factory ledger; accounting for materials, labor, and manufacturing expenses; job order cost accounting; process cost accounting; estimated cost procedures; the cost of joint products and by products; standard cost system; control and classification of costs.

Commerce 481G. Intermediate Accounting. Four hours.

Prerequisite: Commerce 382.

Accounting cycle; financial statements; working capital accounts; acquisition, use, and retirement of fixed assets; stocks and bonds as investments; intangible assets; long term debt; capital stock; retained earnings; statement analysis and interpretation; and statement of application of funds.

Commerce 482G. Advanced Accounting. Three hours.

Prerequisite: Commerce 481.

Topics: Partnership formation and operation; dissolution and liquidation; joint ventures; consignments; agency and branch accounts; consolidated balance sheets; special problems in statement construction and stock ownership; consolidated statement of profit and loss; statement of affairs; receivership accounts and statements; accounting for estates and trusts; actuarial science.

Commerce 483G. Auditing. Three hours.

Prerequisite: Commerce 482.

Application of accounting principles in analyzing the client's records; auditor's working papers; detail audit; internal audit; special audits; tests used in auditing; and the audit report.

Commerce 500. Foundations of Business Education. Three hours.

Prerequisite: Graduate standing.

History, aims, and principles of business education; contribution of business education to general education; support of business education; curricula and courses of study; guidance in business education; teacher qualifications; supervision; public relations; and what business expects of business education.

Commerce 501. Problems in Business Education. Three hours.

Problems of the students enrolled in the course will be given primary consideration. Suggested topics: testing, guidance; job studies;

placement and follow-up; layout and facilities; supervision; visual aids; utilization of community resources; and curriculum trends.

Commerce 502. Cases in Management. Three hours.

Prerequisites: Commerce 382 and 465G.

Case studies which involve the solving of problems in—human relations, organization, production and expansion, control, policy formation, and decision making.

HOME ECONOMICS

Miss Bolin
Mrs. Dunagan
Mrs. Hale
Miss Kauffman

Supervising Teachers in Home Economics

Mrs. Adkins
Miss Hill
Mrs. Rice
Mrs. Roberts

Objectives:

1. To develop the competencies required of those who wish to qualify as teachers of Vocational Home Economics.
2. To provide a major field of study for students who have special interests in home economics, but who may not wish to qualify as vocational teachers.
3. To provide elective classes for students in other major programs.
4. To provide service courses regularly required of majors in other fields.
5. To encourage and provide for continued professional growth of graduates through in-service programs.

Requirements:

For the Bachelor of Science Degree and The Certificate in Vocational Home Economics

	Sem. Hrs.
Home Economics 101, 130, 140, 141, 231, 241, 251, 303, 331, 351, 355, 362, 431, 451, 452, 453, 454	50

Additional requirements in other fields:

Freshman Orientation	1
Fine Arts 160 and Art 291 or an approved substitute	5
Science 101	3
Biology 317	4
Chemistry 111 and 112 (Special sections)	8
Economics 201	3
Education 100, 210, 300, and 477	19
English 101, 102, 201, and 202	12
Social Science 300 and History 400	6
Physical Education	2
Sociology 170	3
Psychology 153	3
Philosophy 200	3
Electives	6
Minimum for the degree	128

For a Major: (This program does not qualify for teaching Home Economics.)

Home Economics 130, 140, 141, 231, 303, 351, 355, 451, 452, and 453 ---- 29

(Other combinations for this major may be arranged with the approval of the department.)

For a Minor:

Home Economics 130, 141, 231, 362, and 453	15
Electives in home economics approved by the department	6
Minimum for a Minor	21

Vocational Home Economics

FRESHMAN YEAR

First Semester			Second Semester		
Eng. 101	Writing and Speaking	3	Eng. 102	Writing and Speaking	3
P.E.	Activity course	½	P.E.	Activity course	½
	Freshman Orientation	1	Ed. 100	Orientation in Education	1
H. Ec. 101	Personal and Family Living	3	H. Ec. 130	Elementary Nutrition and Food Planning	3
H. Ec. 141	Elementary Textiles	3	H. Ec. 140	Clothing Design and Construction	3
Soc. 170	Rural Sociology	3	Psy. 153	General Psychology	3
Sci. 101	Intro. to Biological Sci.	3	F.A. 160	Apprec. of Fine Arts	3
		16½			16½

SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Art	291—Color and Design	
P.E.	Activity course	½	or		2
Chem.	111—General Chemistry	4	Substitute		
Ed.	210—Human Growth and Development I	3	Eng.	202—Intro. to Literature	3
H. Ec.	231—Food for the Family	3	P.E.	Activity course	½
H. Ec.	241—Family Clothing Problems	3	Chem.	112—General Chemistry	4
			H. Ec.	251—Household Equipment	3
			Ec.	201—Principles of Economics	3
		16½			15½

JUNIOR YEAR

First Semester			Second Semester		
Ed.	300—Intro. to Student Teaching	0	H. Ec.	331—Adv. Meal Preparation and Table Service	3
Biol.	317—Bacteriology	4	H. Ec.	355—Child Development	3
H. Ec.	303—Home Nursing and Family Health	3	H. Ec.	451—Home Furnishings	3
S.S.	300—Current World Problems	3	H. Ec.	452—Home Management	2
H. Ec.	351—Housing	3	H. Ec.	362—Consumer Education	3
Phil.	200—Intro. to Philosophy	3		Elective	3
		16			17

SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	Ed.	477—Professional Semester	15
H. Ec.	431—Advanced Nutrition	3			
H. Ec.	453—Problems of the Family	3		(Offered first and second semester)	
H. Ec.	454—Home Management House	3			
	Elective	3			
		15			15

DESCRIPTION OF COURSES

Home Economics 101. Personal and Family Living. Three hours.

Understanding the college program in home economics and the professional opportunities offered; human values and their relation to good living; responsibilities to home and family; factors that contribute to a well-adjusted college life; creating beauty in surroundings, making a home away from home. Two lecture-discussion periods and one two-hour laboratory period per week.

Home Economics 130. Elementary Nutrition and Food Planning. Three hours.

Food selection at home and in public places; nutritive values; requirements for different age levels; weight control; evaluation of dietaries; basic principles in preparation of beverages, fruits, egg and milk dishes, cereals, starchy sauces and desserts, salads, vegetables, meats, batters and doughs; menu planning and serving breakfast and luncheon; use and care of equipment. Two lecture-discussion periods and one two-hour laboratory period per week.

Home Economics 135. Nutrition for Nurses. Three hours.

Essential food nutrients—carbohydrates, fats, proteins, minerals, vitamins; energy metabolism; weight control; digestion and absorption; dietary requirements for different ages, sexes and life conditions.

Home Economics 140. Elementary Textiles. Three hours.

Recognition of the various materials of which fabrics are made; the origin, manufacture, properties, cost, uses and care of fibers and fabrics; simple tests for identification of various fibers. One lecture-discussion period and two two-hour laboratory periods per week.

Home Economics 141. Clothing Design and Construction. Three hours.

Prerequisite: Home Economics 140.

Principles of clothing design; sewing machine and its attachments; interpretation, alteration and use of commercial patterns; problems of fitting; clothing construction processes and problems; development of techniques in the use of cotton and other washable materials. One lecture-discussion period and two two-hour laboratory periods per week.

Home Economics 231. Food for the Family. Three hours.

Principles in the preparation of pastries, deep fat frying, sugar cookery, frozen desserts and meat; planning menus by the week to meet nutritional needs of the family; serving a dinner; and food preservation and storage. One lecture-discussion period and two two-hour laboratory periods per week.

Home Economics 241. Family Clothing Problems. Three hours.

Prerequisites: Home Economics 140 and 141.

A study of essential factors entering into a wise choice of clothing for the family; clothing for children of different age levels; selection of garments for all members of the family; principles of construction practiced in making a minimum of three garments. One lecture-discussion period and two two-hour laboratory periods per week.

Home Economics 251. Household Equipment. Three hours.

Equipment lists; study and evaluation of available makes of each type of equipment; principles of electricity; use, care, and simple repair of home equipment. Notebook, surveys, term report, and field trips. One lecture-discussion period and two two-hour laboratory periods per week.

Home Economics 280. Textile Decoration. Two hours.

Prerequisite: Art 121 or 291.

The course provides opportunity for making objects of art for personal use through the medium of textile paintings and needlework. Individual problems are chosen and completed according to the needs and interests of students. One original design is selected and executed by each student. Two two-hour laboratory-discussion periods per week.

Home Economics 302. Nutrition for Elementary Teachers. Two hours.

The symptoms of good and poor nutrition; basic food needs; guides for planning adequate dietaries; making nutrition a part of the school program; establishing good food habits; carrying on a school lunch program. Two lecture-discussion periods per week.

Home Economics 303. Home Nursing and Family Health. Three hours.

Prerequisite: Science 101.

Training in simple procedures in the care of the sick and minor accidents in the home; a study of disease prevention and health promotion for the family; cost of medical care. Two lecture-discussion periods and one two-hour laboratory period per week.

Home Economics 320. Elements of Nutrition. Three hours.

Designed to provide basic understanding of the importance of nutrition as a factor in personal and community health problems. Studies include all nutrients needed in normal dietary allowances, guides for planning well-balanced dietaries, nutritional needs of people of various ages, and common nutritional problems of people today. Three lecture-discussion periods per week.

Home Economics 331. Advanced Meal Preparation and Service. Three hours.

Planning, preparing and serving various types of meals; emphasis on the fine points of menu building, marketing, budgeting and management of time and energy. One lecture-discussion period and two two-hour laboratory periods per week.

Home Economics 341. Advanced Clothing. Two hours.

Prerequisites: Home Economics 241 and Art 292.

Application of principles of costume design to flat pattern designing and draping; development of techniques in use of natural and

new fibers; application of different finishing techniques. Garments are constructed from original designs. A study is made of new developments in the textile field. Two two-hour laboratory-discussion periods per week.

Home Economics 351G. Housing. Three hours.

The history of housing in the United States; housing laws; zoning; judgment in selecting or planning homes suited to family needs; economic problems of the home; trends in housing design and construction, field trips, reports, comprehensive file of materials and term paper. Three lecture-discussion periods per week.

Home Economics 355. Child Development. Three hours.

Parents and their responsibilities; training the child in the formation of good physical, mental, social, emotional, and religious habits; applications of child psychology; toys and play equipment; influence of nature, art, music, literature, and drama on the child; directed experiences in observing and working with pre-school children. Two lecture-discussion periods and one two-hour laboratory per week.

Home Economics 362. Consumer Education. Three hours.

Prerequisite: Economics 201.

Selection of consumer goods and services; buying habits; legislation affecting branding, labeling and other industrial and economic problems that affect standards of living. Three lecture-discussion periods and one two-hour laboratory period per week.

Home Economics 431G. Advanced Nutrition. Three hours.

Function of carbohydrates, fats, proteins, minerals and vitamins; energy metabolism; weight control; digestion and enzymes; dietary requirements for different ages, sexes and life conditions; national and world problems of nutrition; prevention and treatment of malnutrition; diet in common diseases; infant feeding; and planning adequate diets at various cost levels. Two lecture-discussion periods and one two-hour laboratory period per week.

Home Economics 432G. Quantity Cookery. Three hours.

Menu planning; amounts needed to serve groups of various sizes; food costs; food preparation and service in quantity. Special topics for investigation—principles and techniques of demonstration in foods and nutrition with practical experience. One lecture-discussion period and two two-hour laboratory periods per week.

Home Economics 441G. Tailoring. Three hours.

Prerequisite: Home Economics 241.

Individual problems are chosen with emphasis on the selection of suitable materials; fitting and construction problems involved; fundamental tailoring problems and finishes. All material for the construction of garments, including a wool suit or coat, is furnished by the student. Two two-hour laboratory-discussion periods per week.

Home Economics 451G. Home Furnishings. Three hours.

Principles of design and their application to treatment of interiors and selection of furniture, furnishings, and accessories; proper treatment of walls, floors, and windows. Lectures, discussions, reports, comprehensive notebook, term paper, field trips, and practical problems. Two lecture-discussion periods and one two-hour laboratory period per week.

Home Economics 452. Home Management. Two hours.

Philosophy, goals, and values of homemaking; job analysis and work simplification; care and repair of household furnishings and equipment; financial aspects of homemaking; budgeting, insurance, and credit.

Home Economics 453G. Problems of the Family. Three hours.

Historical background of the family; standards of social conduct and relationships; marriage factors which are conducive to happy family life; position of the children in the home; economic independence of women; homemaking as a profession; current events that affect family life. Offered in the senior year, this course crystallizes student thinking resulting from all previous courses in home economics and its related fields. Three lecture-discussion periods per week.

Home Economics 454. Home Management House. Three hours.

Prerequisites: Home Economics 231, 351, and 452 (or parallel).

Experience in the practical aspects of homemaking; opportunity for social experiences. Arrangements for living in the Home Management House must be made with the head of the department. Reservations should be made by mid-term of the preceding semester.

Home Economics 470. Methods in Teaching Vocational Home Economics. Four hours.

Prerequisite: Senior standing in Home Economics. (This course is a part of Education 477—Professional Semester.)

The development and organization of the vocational program; needs and interests of high school students and their families; ways of meeting needs; principles of learning and their application through various techniques and types of lessons; community surveys; planning for the year, the unit, and the day; the adult education program; teaching materials and evaluation.

Home Economics 480G. Textile Decoration. Three hours.

Prerequisites: Four hours of art and Home Economics 141 or 241.

The course provides opportunity for making objects of art for personal use through the medium of textile paintings and needlework. Individual problems are chosen and completed according to the needs and interests of students. Original designs are made and applied. One lecture and two two-hour laboratory-discussion periods per week.

INDUSTRIAL ARTS

Mr. Mays Mr. Roberts

Objectives:

1. To develop competencies required of those persons preparing to teach industrial arts in the secondary schools.
2. To provide instruction through service courses for pre-engineering students.
3. To contribute to the general education of all students regardless of their field of study.
4. To provide graduate instruction for industrial arts teachers so that they may continue to grow professionally.
5. To assist in the preparation of advanced graduate students for college teaching and for state and local supervisory positions.
6. To provide in-service programs and professional services for those persons interested in industrial arts education.

Requirements:

For a Bachelor of Science Degree and the Provisional High School Certificate with a Major in Industrial Arts*

	Sem. Hrs.
Industrial Arts 100, 103, 203, 111, 186, 211, 286, 300, 304, 471, and 475	29

*Industrial arts majors are encouraged to have a second major in mathematics or science. In lieu of this recommendation, industrial arts students may minor in mathematics and physics or chemistry.

SUGGESTED PROGRAM

The following program has been devised to help students in selecting their courses and making their schedules. This suggested schedule need not be followed specifically from semester to semester, but close adherence to it will aid the student in meeting all requirements for graduation.

Provisional High School Certificate with a Major in Industrial Arts

FRESHMAN YEAR

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
P.E.	Activity course	½	P.E.	Activity course	½
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
Sci.	101—Intro. to Biological Sci.		Sci.	102—Intro. to Biological Sci.	
or		3	or		3
Sci.	103—Intro. to Physical Sci.		Sci.	104—Intro. to Physical Sci.	
	Social Science elective	3		Social Science elective	3
I.A.	103—Elem. Mechanical Drawing	3	I.A.	203—Adv. Mechanical Drawing	3
Hlth.	150—Personal Health	2	I.A.	100—Intro. to Industrial Arts	1
				Second Major	3
		15½			17½

SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
P.E.	Activity course	½	P.E.	Activity course	½
Sci.	103—Intro. to Physical Sci.		Sci.	104—Intro. to Physical Sci.	
or		3	or		3
Sci.	101—Intro. to Biological Sci.		Sci.	102—Intro. to Biological Sci.	
Psy.	153—General Psychology	3	Ed.	210—Human Growth &	
I.A.	111—Elementary Woodwork	3		Develop. I	3
F.A.	160—Apprec. of the Fine Arts		I.A.	211—Advanced Woodwork	3
or	Foreign Language	3	I.A.	186—Metalwork	3
		15½			15½

JUNIOR YEAR

First Semester			Second Semester		
I.A.	304—Architectural Drawing	3	Ed.	300—Intro. to Student Teaching	0
I.A.	286—General Metal	3	I.A.	300—General Shop Organization	3
S.S.	300—Current World Problems	3	Phil.	200—Intro. to Philosophy	
	Second Major	6	or	Foreign Language	3
	Elective	2		Second Major	9
				Elective	2
		17			17

SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	Ed.	477—Professional Semester	15
I.A.	475—Teaching Industrial Arts	3		(The Professional Semester	
I.A.	471—Seminar	1		may be taken either	
	Second Major	6		semester of the senior	
	Elective	3		year)	
		16			15

DESCRIPTION OF COURSES

INDUSTRIAL ARTS

Industrial Arts 100. Introduction to Industrial Arts. One hour.

Prerequisite: An interest in industrial arts as a major field.

An introduction to a brief historical development of the program of industrial arts; the nature and function of the industrial arts program in the secondary schools; and the specific teaching competencies that will be required of professional industrial arts teachers in the years ahead. One period of lecture-discussion each week.

Industrial Arts 103. Elementary Mechanical Drawing. Three hours.

Students are introduced to principles and techniques of communicating ideas by using drawings. Lettering, geometric constructions, orthographic projection, dimensioning, sectioning and the care and use of drawing equipment and supplies are the major units of instruction. Five class sessions each week.

Industrial Arts 111. Elementary Woodwork. Three hours.

Prerequisite: Industrial Arts 103.

An introduction to the field of woodworking through the medium of constructing and finishing appropriate projects. Related technical information is included in the instructional program. Five class sessions each week.

Industrial Arts 186. Metal Work. Three hours.

Prerequisite: Industrial Arts 103.

A study of layout, design and the fabrication of projects in art metal, bench metal, metal spinning and sheet metal with related technical information. Five class periods each week.

Industrial Arts 203. Advanced Mechanical Drawing. Three hours.

Prerequisite: Industrial Arts 103.

This course builds upon a background of principles and techniques in the area of drafting by introducing the students to concepts and problems involving projections, intersections, revolutions, and developments. Five class sessions each week.

Industrial Arts 210. Woodturning. Two hours.

Prerequisite: Industrial Arts 211 and consent of the instructor.

This course is provided for those students who are interested in specializing in the field of woodworking. Learning experiences include advanced spindle and face plate turning with special emphasis upon design, craftsmanship and finishing. Classes by arrangement.

Industrial Arts 211. Advanced Woodwork. Three hours.

Prerequisite: Industrial Arts 111.

Advanced techniques and practices reflecting the woods industry is taught through the use of more technical tools and power equipment. Students design, plan, construct, and finish appropriate projects. The five class sessions each week include related technical information.

Industrial Arts 283. Sheet Metal. Three hours.

Prerequisites: Industrial Arts 203, 286 and consent of the instructor.

Instruction is provided for those persons who desire to specialize in the area of metals. By designing, laying out, and fabricating various projects the student is introduced to basic problems, practices, and processes of converting sheet metal into useful products. Five class sessions each week.

Industrial Arts 286. General Metals. Three hours.

Prerequisite: Industrial Arts 186.

Selected units in foundry, forging, heat treatment, gas and arc welding, and machine shop are included. A study of alloys and properties of metals will be considered as a phase of the related instruction. Five class periods each week.

Industrial Arts 300G. General Shop Organization. Three hours.

Prerequisite: 18 semester hours in industrial arts or consent of the instructor.

Although students will be introduced to new subject matter areas which will serve as a medium for typical laboratory experiences, the primary emphasis will be on principles and practices of teaching in a comprehensive general shop. Two lecture-discussion periods and three laboratory periods each week.

Industrial Arts 304G. Architectural Drawing. Three hours.

Prerequisite: Industrial Arts 203.

Students are introduced to problems, practices, and techniques in

the field of architectural drafting. Each person prepares floor plans, elevations, details, and specifications for a small house having an original design. Related instruction is included in the five instructional periods each week.

Industrial Arts 311G. Design and Construction of Furniture. Three hours.

Prerequisite: Industrial Arts 211.

Students are expected to design, plan, construct and finish an appropriate project requiring advanced principles and techniques of design and wood technology. Experimentation and related research is encouraged. Five class sessions each week.

Industrial Arts 320G. Industrial Arts for the Elementary Teacher. Three hours.

Prerequisite: Formal admission to the Teacher Education Program.

This course is designed as a means to develop professional and technical competencies of elementary school teachers so that they may enrich and strengthen programs of instruction by the use of industrial arts as a method rather than as content. Two periods of lecture-discussion and three periods of laboratory work each week.

Industrial Arts 351G. House Planning and Construction. Three hours.

Nontechnical instruction is provided for those interested in home design as a phase of their basic education. Units concerned with the history and styles of architecture, the community and the building site, orientation, styling and harmony, floor planning, construction practices and terminology, building materials, interior and exterior decoration, landscaping, heating and air conditioning, legal, financial and insurance problems are included. Three lecture-discussion periods each week.

Industrial Arts 388G. Machine Shop. Three hours.

Prerequisite: Industrial Arts 286.

Students are introduced to the problems, practices and techniques of machining metals as reflected by technological developments. Experiences will be provided in machining steel and cast iron on major equipment such as: metal lathes, vertical and horizontal milling machines, shapers, grinders, drilling and sawing equipment. The five class sessions each week will include technical and related instruction.

Industrial Arts 460G. Foundations of Industrial Education. Three hours.

Prerequisite: 18 semester hours of industrial arts or consent of the instructor.

Study of the philosophical positions underlying the historical development of industrial arts: related social, political, and economic factors contributing to and associated with these movements; leaders of the industrial arts movements and their influence and contributions; contemporary educational theories affecting the current program of industrial education. Three lecture-discussion periods each week.

Industrial Arts 471. Seminar. One hour.

Prerequisite: 18 hours of industrial arts or consent of instructor.

Developing concepts in industrial education will serve as the basis for this course. Students will be expected to assist in identifying problems and issues as reflected in the current professional literature. One period of discussion each week.

Industrial Arts 475. Teaching Industrial Arts. Three hours.

Prerequisite: 18 semester hours in industrial arts or consent of instructor.

A study of the objectives of the industrial arts and related behavioral changes; industrial arts curricular patterns and trends; selection and organization of subject matter; project selection and the project method of teaching; instructional materials and teaching aids; testing and evaluation; and professional growth. Three lecture-discussion periods each week.

Industrial Arts 476. Special Problems. One to three hours.

Prerequisite: 18 semester hours in industrial arts.

Designed for the purpose of permitting a student to do advanced work as a continuation of an earlier course or to work in an area which involves an individual need. The topic or topics will be selected at the time of registration, and time will vary with the problem or problems.

Industrial Arts 540. Administration and Supervision of Industrial Education. Three hours.

Prerequisite: 24 semester hours in industrial education or consent of instructor.

Problems to be considered will include: program planning and development; state and federal legislation; planning industrial edu-

cation shops and laboratories; selecting and purchasing equipment and supplies; organizing and administering the instructional program; and school and community relations. Three lecture-discussion periods each week.

Industrial Arts 570. Research Problems in Industrial Arts. Two hours.

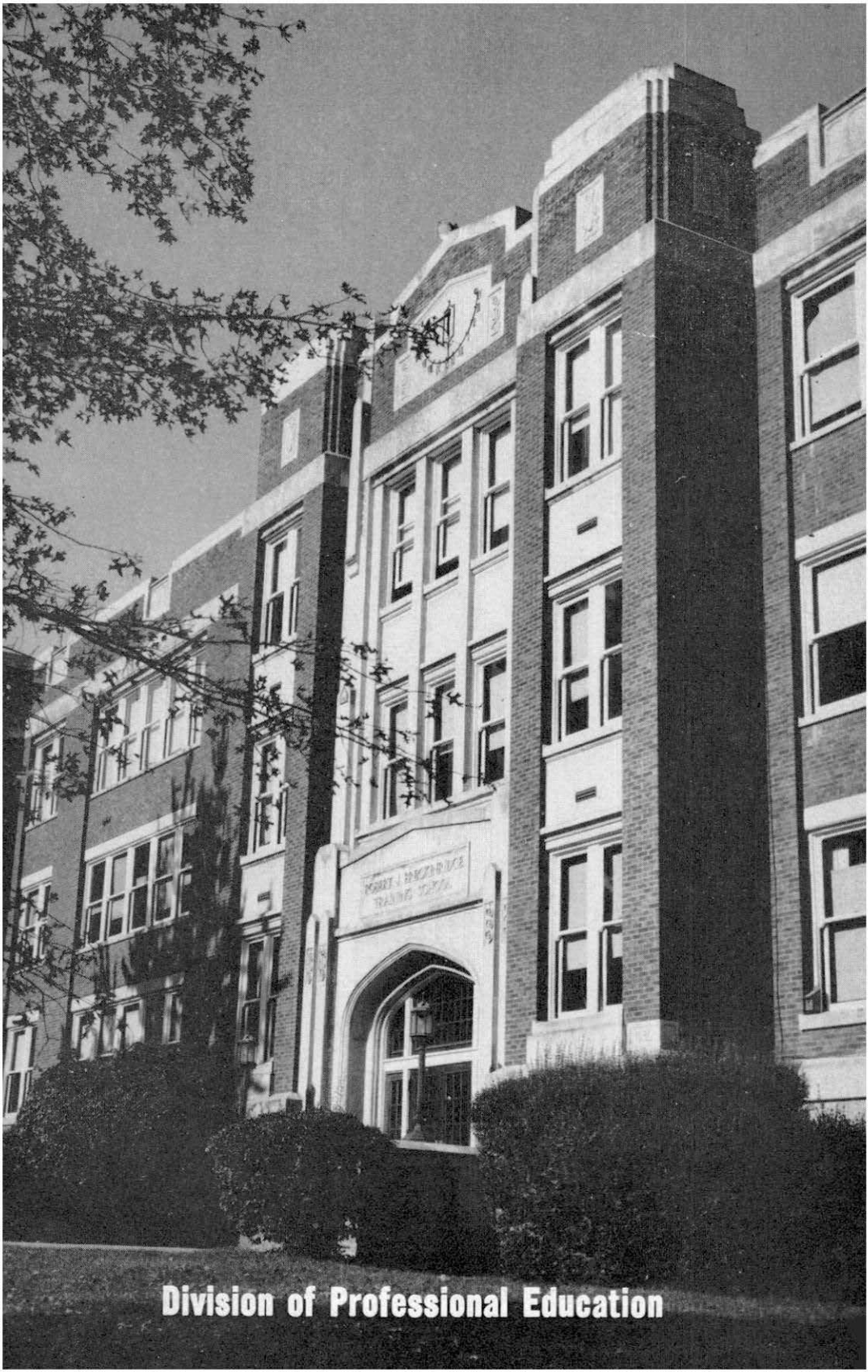
Prerequisite: Graduate student with undergraduate preparation in industrial arts and consent of instructor.

This course offers the opportunity and challenge of a self-directed independent study on a special problem. Students must present a suggested problem as well as a justification for the study in writing. Each request will be considered on its own merit in relation to the special needs of the student. Classes by arrangement.

Industrial Arts 575. Analysis of Research. Two hours.

Prerequisite: Persons working beyond the master's degree who have had preparation in the field of industrial education or permission of the instructor.

Current research related to the field of industrial education will serve as the basis for developing an understanding of research design, sampling procedures, hypotheses testing and statistical analyses by using parametric and nonparametric procedures. Consumer and action research will be emphasized. Three lecture-discussion periods each week.


Division of Professional Education

Division of Professional Education

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Mrs. Ward
Mrs. Whitaker
Mr. Wilson
Mr. G. Young

Objectives:

The over-all objective of the Teacher Education Program of Morehead State College is to prepare educational personnel to supply professional service of high quality. In striving to reach that objective, four distinct aims have been adopted: (1) to provide preservice education for teachers; (2) to provide for the amplification of the undergraduate program in a graduate program for classroom teachers; (3) to provide for the increased competency of teachers through study and consultation while in service, and (4) to provide the necessary education for the development of guidance counselors, supervisors, principals, and superintendents.

A. In providing for preservice education for teachers, the curricula are organized to meet the needs of those who intend to enter the teaching profession.

   1. To offer a program of general education that will develop in the prospective teacher an adequate body of knowledge, a set of moral and ethical principles, and an ability to understand others and to express himself with clarity.
   2. To provide for concentrated study in one or more areas of interest which may lead to certification as an elementary teacher or to teach in the chosen field or fields as a secondary teacher.
   3. To provide for a program of professional education experiences with emphasis on human growth and development and the role of the school in a democratic society.

B. Recognizing the limitations imposed upon a teacher education program based upon only four years of college experience and realizing that the ability of the teacher can be considerably extended by additional study, the graduate program for the classroom teacher has the following objectives:
   1. To increase his competence in subject matter by allowing further study in subjects already studied as well as work in supporting fields and areas different from those of former study.
   2. To increase his abilities as a teacher by offering him professional courses that aid his professional growth and by offering him the training and facilities for research.
   3. To provide for the professional development of those who wish to upgrade themselves in present or different positions.

C. With the realization that teacher education does not end when a teacher assumes classroom duties, the in-service program is designed to:
   1. Provide for the increased competence of teachers through study in evening, Saturday, and summer courses.
   2. Make teachers aware of new methods and materials.
   3. Bring to the in-service teacher new philosophies and ideas in education through classwork, conferences, and consultations.

D. Recognizing that our school systems are in constant need of additional personnel in leadership positions, and accepting our part of the responsibility for preparing individuals for these positions, we have the development of the following as the objectives in our educational program for school leaders:
   1. An organized and coherent set of concepts concerning education and society as a whole.
   2. An understanding on the part of each leader of his position and function in the school system and community, and an ability to fulfill his functions in a satisfactory manner.

Requirements: (Specific professional requirements for elementary and secondary certificates.)

	Sem. Hrs.
For the Provisional Elementary Certificate:	
Education 100, 210, 321, 326, and 427	25
For the Provisional Secondary Certificate:	
Education 100, 210, 300, and 477	19

SUGGESTED PROGRAM

The following program has been devised to help students in selecting their courses and making their schedules. This suggested schedule need not be followed specifically from semester to semester, but close adherence to it will aid the student in meeting all requirements for graduation.

Provisonal Elementary Certificate and Degree

FRESHMAN YEAR

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
P.E.	Activity course	½	P.E.	Activity course	½
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
Sci.	101—Intro. to Biological Sci.		Sci.	102—Intro. to Biological Sci.	
or		3	or		3
Sci.	103—Intro. to Physical Sci.		Sci.	104—Intro. to Physical Sci.	
Geog.	100—Fundamentals of Geography	3		Social Science elective	3
Mus.	100—Rudiments of Music	2	Art	121—School Art I	3
	*Elective	3		*Elective	3
		15½			16½

SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
P.E.	Activity course	½	P.E.	Activity course	½
Sci.	103—Intro. to Physical Sci.		Sci.	104—Intro. to Physical Sci.	
or		3	or		3
Sci.	101—Intro. to Biological Sci.		Sci.	102—Intro. to Biological Sci.	
F.A.	160—Apprec. of the Fine Arts	3	Phil.	200—Intro. to Philosophy	3
Mus.	221—Music for the El. Teacher	2	Art	221—School Art II	2
Psy.	153—General Psychology	3	Ed.	210—Human Growth & Develop. I	3
Hlth.	300—Health in the El. School	2	L.S.	227—Lit. & Mat. for Children	3
		16½			17½

JUNIOR YEAR

First Semester			Second Semester		
Ed.	321—Teaching of Arithmetic	3	Ed.	326—Teaching of Reading	3
Geog.	300—Regional Geography	3	S.S.	300—Current World Problems	3
Sci.	390—Sci. for the El. Teacher	3	H. Ec.	302—Nutrit. for El. Teachers	2
P.E.	320—Phys. Ed. in the El. Sch.	2	Spch.	300—Oral Communication	3
	*Elective	5		*Elective	5
		16			16

SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	Ed.	427—Professional Semester (The Professional Semester may be taken either semester of the senior year.)	15
	Social Science elective	3			
	*Elective	9			
		15			15

* A portion of the elective credit must be used for completing an academic minor.

DESCRIPTION OF COURSES

Education 100. Orientation in Education. One hour.

(Required of all freshmen who expect to qualify for any teaching certificate.)

Essential understandings concerning the organization of the American school system; support for public education; opportunities and requirements in teaching as a professional activity; and opportunities and requirements in special teaching fields. Offered during the second semester each year.

Education 210. Human Growth and Development I. Three hours.

(Required of all candidates for certification.)

This course deals with the physical, social, emotional, and intellectual growth and development of children and adolescents.

Education 211. Human Growth and Development II. Three hours.

Prerequisite: Education 210.

A continuation of Education 210. Students should not enroll for this course unless they are completing their requirements for certification under the old arrangement for student teaching. All students taking the course should check their enrollment carefully with the instructor.

Education 280. Problems in Rural Education. Three hours.

(Offered only by extension.)

This course is designed to meet the specific needs of the students who enroll, particularly of in-service teachers. Problems and activities are selected according to the conditions prevailing in the local school system.

Education 300. Introduction to Student Teaching. Credit for this course is withheld and included as a part of the Professional Semester.

Required of all students who expect to enroll for Education 477.

A guided experience designed to prepare the student specifically for the Professional Semester. Observation; attention to individual needs—personal and professional.

Education 320. Improvement of Instruction in the Elementary School. Three hours.

(Offered only by extension.)

Prerequisite: Experience as a teacher.

Emphasizes the cooperative building of a school philosophy and the accompanying objectives of education; cooperative and self-supervision of instruction; selection of supplementary materials and problems and curriculum organization; effective staff relationships; and pertinent problems concerning instruction and management.

Education 321. Teaching of Arithmetic. Three hours.

Essential concepts of the subject; effective presentation of number material to the learner; necessary drills to insure competency in the fundamental computational skills; emphasis on functional arithmetic.

Frequent observations are required in order to evaluate the best modern teaching practices.

Education 325. Supervised Student Teaching. Four hours.

Prerequisites: a. The attainment of a scholastic standing of two or "C" in all courses completed at the time student teaching begins; b. completion of the professional education courses prerequisite to student teaching—Education 100, 210, 211, 321, 326, and 333; c. completion of a minimum of 90 semester hours of work; d. at least one semester of residence credit earned at this college; and e. permission of the Committee on Teacher Education.

Each student teacher is assigned to a two-hour block in the Training School during which time observation, participation, and teaching is done. The student teaches a minimum of 45 clock hours. The remainder of the time is spent in observing, participating, testing, counseling, organizing material, and participating in other professional activities. Teaching may be done in any of the elementary grades.

Daily conferences are held with the critic teacher and a group conference is held once each week with the director of the training school. Attendance and participation in school activities and certain faculty meetings are also required.

During a summer term each student is assigned a three-hour block. Only those students who have had teaching experience are permitted to do student teaching during a summer term.

Education 326G. Teaching of Reading. Three hours.

Motivation of reading; mechanics of reading; special methods; diagnosis and treatment of difficulties; psychological investigations of

reading; and the relationship of reading ability to success in other subjects.

Education 333. Fundamentals of Elementary Education. Four hours.

The purpose and origin of the elementary school; problems of school organization, management, extracurricular and community relationships; testing and record keeping; guidance and counseling of elementary pupils; methods of teaching the social studies, science, elementary art and music, health and recreation, and language arts. Systematic observation of all phases of instruction is an integral part of the course.

Education 360. History of Education. Three hours.

Education in ancient, medieval, and modern periods; early American backgrounds; early campaigns for the improvement of instruction and teacher training; the development of present practices; great educators of each period and their contributions.

Education 374. Improvement of Instruction in the Secondary School. Three hours.

(Offered only by extension.)

Prerequisite: Experience as a teacher.

Emphasizes the cooperative building of a school philosophy and the accompanying objectives of education; cooperative and self-supervision of instruction; selection of supplementary materials and problems of curriculum organization; effective staff relationships; and pertinent problems concerning instruction and management.

Education 375. Supervised Student Teaching. Four hours.

Prerequisites: a. The attainment of a scholastic standing of two or "C" in all courses completed at the time student teaching begins; b. a minimum standing of 2.5 on all work completed in the field in which teaching is to be done; c. completion of the professional education courses prerequisite to student teaching—Education 100, 210, 211, and 472; d. completion of a minimum of 16 semester hours in the field in which the student is to teach; e. completion of a minimum of 90 semester hours of work; f. at least one semester of residence credit earned at this college; g. permission of the Committee on Teacher Education.

Each student teacher is assigned to a two-hour block in the Training School during which time observation, participation and teaching is done. The student teaches a minimum of 45 clock hours.

The remainder of the time is spent in observing, participating, testing, counseling, organizing material, and participating in other professional activities.

Daily conferences are held with the critic teacher and a group conference is held once each week with the director of the training school. Attendance and participation in school activities and certain faculty meetings are also required.

During a summer term a student is assigned to a three-hour block.

Education 381G. Measurement Principles and Techniques. Three hours.

The administration and interpretation of interest and personality inventories; tests of intelligence, mechanical ability, space relations, reading, hearing, and vision; also aptitude testing in its various forms.

This course involves one hour of conference per week with the instructor and the remainder of the work is done in the Testing Bureau.

Education 382G. Audio-Visual Aids in Instruction. Three hours.

History and basic philosophy of multi-sensory instructional materials; role of the teacher in perceptual learning; nonprojected materials for learning; operation, maintenance and evaluation of audio-visual aids; sources of materials.

Education 423. Curriculum Development. Three hours.

(Offered only by extension.)

Problems involved in the selection and organization of learning experiences in the various subject-matter areas; techniques of curriculum making and improvement. Attention is directed specifically to the local situation.

Education 425. Supervised Student Teaching. Four hours.

A continuation of Education 325.

Education 425S. Supervised Student Teaching. Four hours.

Prerequisites: Four hours of credit in student teaching; three years of successful teaching experience within the last ten years; completion of a minimum of 90 semester hours of college credit; attainment of a scholastic standing of two (average of "C") on all work completed at the time of enrollment for the course; at least one semester of residence credit earned at this college; and permission of the Committee on Teacher Education.

Two class periods a day are required and, in addition, each enrollee is expected to leave a period vacant in his schedule for special assignments and activities in the Training School.

The experiences provided are designed to meet the needs of the members of the group. They are selected from the entire range of teaching activity except that classroom teaching is omitted. Possible topics for attention are—observation, testing, experience with audio-visual aids, remedial and individual instruction, making case studies, study of child behavior, reading on current general and professional topics, developing resources and aids to learning, evaluation, professional relations, etc.

Education 427. Professional Semester. Fifteen hours.

Prerequisites: a. The attainment of a scholastic standing of two or "C" in all courses completed at the time the student enrolls for the course; b. completion of Education 100, 210, 321, 326, and 333; c. completion of 90 semester hours of college work; d. at least one semester of residence credit earned at this college; and e. permission of the Committee on Teacher Education.

This course, for which the student enrolls during either the first or second semester of the senior year, completes the individual's professional training at the undergraduate level and includes those phases of such training as are found in courses carrying the titles of Educational Psychology, Advanced Fundamentals of Elementary Education, and Supervised Student Teaching.

The class meets for one hour a day for 16 weeks with the first week and the last week of the semester being devoted to orientation, planning, and evaluation. The student teaching is done each day in the campus training school.

The student teaches a minimum of 90 clock hours and the remainder of the time is spent in observing, participating, testing, counseling, organizing material, and participating in other professional activities. Teaching may be done in the elementary grades.

Daily conferences are held with the supervising teacher. Attendance and participation in school activities and certain faculty meetings are also required.

Education 472. Fundamentals of Secondary Education. Four hours.

Prerequisites: Education 100, 210, and 211 or the equivalent.

The functions and organization of the secondary school; principles, methods, and techniques of teaching including unit construction and

lesson planning; evaluating activities; the use of illustrative materials and supplementary aids; professional activities of the teacher; and successful community relationships.

Education 475. Supervised Student Teaching. Four hours.

This course is a continuation of Education 375.

Education 475S. Supervised Student Teaching. Four hours.

The same as 425S except that the experiences provided are selected to meet the needs of high school teachers.

Education 476. Reading in the Secondary School. Three hours.

The need for reading instruction in the high school; causes of retardation and types of difficulties; remedial measures; materials for instruction; and administrative problems involved.

Observation and analysis of actual cases constitute an important part of the course.

Education 477. Professional Semester. Fifteen hours.

Prerequisites: a. The attainment of a scholastic standing of two or "C" in all courses completed at the time the student enrolls for the course; b. a minimum standing of 2.5 on all work completed in the field in which teaching is to be done; c. completion of Education 100, 210, and 300; d. completion of 16 semester hours in the field in which the student is to teach; e. completion of 90 semester hours of college credit; f. at least one semester of residence credit earned at this college; and g. permission of the Committee on Teacher Education.

This course, for which the student enrolls during either the first or second semester of the senior year, completes the individual's professional training at the undergraduate level and includes those phases of such training as are found in courses carrying the titles of Educational Psychology, Fundamentals of Secondary Education, and Supervised Student Teaching.

The class meets for two hours each day for eight weeks with the first week and the last week of the semester being devoted to orientation, planning and evaluation. The student teaching is done during eight weeks either on campus or off campus. The secondary students are divided into two groups for classwork and are taught by two different college professors. Since a number of these secondary students are doing student teaching off campus, the classwork and student teaching is alternated each four weeks so that when one professor's group is on campus attending class, observing, reading and writing current professional periodical reports and book reports, the other professor's group is actually doing student teaching either on campus or off campus.

The student teaches a minimum of 90 clock hours and the remainder of the time is spent in observing, participating, testing, counseling, organizing material, and participating in other professional activities.

Daily conferences are held with the supervising teacher. Attendance and participation in school activities and certain faculty meetings are also required.

GRADUATE COURSES

Education 500. Research Methods in Education. Two hours.

Selection, delimitation, and statement of a research problem; techniques of bibliography building; methods of organization; recognized methods of investigation; and style-standards for research writing. Strongly recommended for all beginning graduate students.

Education 520. Research Problems in Elementary Education. Two hours.

Prerequisite: Education 500.

Intensive and comprehensive investigation of a problem, or problems, in the field of elementary education. The problem, or problems, selected must be such that the collection and analysis of original data are basic to the solution.

Problems to be studied must be approved in advance by the instructor, and the student must expect to have conferences with the instructor as necessary.

Education 526. Investigations in Reading. Two hours.

Prerequite: Education 326, or the equivalent, and teaching experience.

A study of current literature in the field. Emphasis on methods of investigation and research findings concerning reading. Papers and oral reports required.

Education 527. Diagnostic and Remedial Techniques. Two hours.

Diagnostic testing; the causes of retardation; specific disabilities in school subjects; behavior problems; cumulative record keeping; case studies; and remedial techniques.

Education 528. School Law. Three hours.

The state's responsibility for education; legal safeguards on school

funds; status of the local school district; responsibilities of school boards and officials; liability of school boards and officers; legal provisions affecting school personnel, attendance, discipline, textbooks and courses of study. Emphasis on the Kentucky Code.

Education 530. The Curriculum. Three hours.

Evaluation of past and present curricular aims and practices in the twelve-grade school; organization and development of the curriculum program in the local school system; research, evaluation, and experimentation in curriculum development; conditions of effective group endeavor.

Education 540. Problems of the Superintendent. Three hours.

Business organization and procedure; budget making and finance; the board of education; school plant construction and maintenance; transportation; personnel administration; organization for supervision and curriculum development.

Education 550. Psychology of Childhood. Two hours.

General principles of child development; influences affecting physical, mental and emotional growth; the child and the community; development of memory; imagination and creative ability; social and personality development; conflict and aggression; co-operation and friendship.

Education 552. Psychology of Adolescence. Two hours.

The meaning and significance of adolescence; physical, emotional, social, and mental growth; adolescent interests; home, school and community problems of the adolescent; personality development.

Education 554. Psychology of Learning. Two hours.

Prerequisite: Six hours of psychology.

The fundamental principles of learning including acquisition, retention, forgetting, problem solving and symbol formation; experimental studies; and the application of principles to practical problems in habit formation, development of skills, remembering and logical thinking.

Education 555. Psychology of Exceptional Children. Two hours.

Prerequisite: Six hours of psychology.

The psychology and treatment of children having superior or inferior mental ability; and the general methods of facilitating the

growth and development of children who are hard of hearing, defective in vision, or defective in speech.

Education 556. Guidance and Counseling. Two hours.

History and development of the guidance movement; the place of the specialist; guidance and the teacher; present status of guidance; meeting the needs of the individual school; objectives and types of guidance.

Education 557. Mental Measurements. Two hours.

Types of psychometric scales used to measure mental ability and the purpose and scope of each. Special emphasis on the Wechsler-Bellvue and Stanford-Binet scales.

Education 558. Mental Health. Two hours.

The principles of biosocial development of children with an approach to understanding the factors influencing the child's emotional health and focusing attention on the meaning and importance of mental hygiene in the classroom. The mental health point of view; development and behavior of children; communication; group dynamics; the mental hygiene aspects of the prevailing philosophies of education; the role of the school in providing a more beneficial environment for children; diagnosis and evaluation of the development of mental health in the schools.

Education 559. Practicum in Guidance and Counseling. Two hours.

Actual experience in guidance and counseling in the campus school and schools of the area. Both group and individual techniques employed. This course is taken during the last term of residence in the guidance and counseling program.

Education 560. Supervision. Three hours.

Nature and scope of supervision; principles governing the supervisory process; planning supervisory programs; facilitating teacher growth; improving the curriculum; the use of instructional materials; evaluation of instruction; and remedial programs.

Education 564. Occupational Information. Two hours.

Sources, descriptions, classifications, and evaluation of occupational materials to be used in individual and group guidance procedures with implications for integration into the total curriculum.

Education 566. Techniques of Counseling. Two hours.

Prerequisite: Education 381G and 556.

Basic philosophy, principles and procedures in counseling; ways and means of securing, organizing and diseminating educational and occupational information.

Education 570. Research Problems in Secondary Education. Two hours.

Prerequisite: Education 500.

The same as Education 520 except that the problem, or problems, must be selected from the field of secondary education.

Education 571. Graduate Seminar in Education. One hour.

Individual research projects and theses; reviews of current educational research; and significant problems in education.

This course may be taken more than one semester on recommendation of the student's graduate committee.

Education 580. History and Philosophy of Education. Three hours.

Beginnings of the American system of education; various theories of education; impending changes in American education; problems challenging education today; philosophies of learning.

Education 582. Audio-Visual Aids Seminar. Two hours.

Prerequisite: Education 382 or the equivalent.

The use of audio-visual aids in the improvement of instruction; psychological aspects of the program; current trends in the field; and utilization of audio-visual equipment. Emphasis on individual problems.

Education 584. School Finance. Three hours.

State school support; apportionment of state funds; sources of school revenue; the local school unit and finance; Federal aid for education; and administrative control of school funds—budgeting and accounting.

Education 591. The School and the Public. Two hours.

Organization for effective public relations; educational publicity; the techniques of group dynamics; essential elements of the school-community partnership; school and community surveys; school services for adults; special programs and projects.

Education 594. The Principalship. Three hours.

The organization of the twelve-grade school; school building maintenance and operation; record keeping and office routine; schedule making; guidance programs; the teaching staff; extracurricular programs; administration of pupil personnel; and public relations.

Division of Fine Arts

Division of Fine Arts

Mr. Duncan, Chairman
Mr. Anderson
Mr. Beane
Mrs. Claypool
Mr. Fry
Mr. Fulbright
Mrs. Hall
Mr. Holloway
Mr. Holtan
Mr. Huffman
Mr. Lesueur
Mr. Loughrie
Mr. Marzan
Mrs. Severy
Mr. Stetler
Mr. Young

The fine arts embrace those media of expression through which man's noblest thoughts, sentiments, concerns, and aspirations are reflected. Whereas the social and physical sciences strive to define human and physical phenomena factually and logically, the fine arts seek to express man's impressions and attitudes about such phenomena. The fine arts, then, possess a moral, ethical, and spiritual significance which places upon them, along with religion and philosophy, the responsibility for humanizing man.

Objectives:

1. To introduce each student to the various media of artistic expression (painting, drama, symphony, etc.) and to the various forms and styles through which the arts are expressed.
2. To assist each student in the development of an understanding and aesthetic appreciation of the arts.
3. To encourage students to participate both actively and as spectators in artistic activities on and off the campus.
4. To present student, faculty, and professional concerts, exhibits, lectures, dramatic productions, etc., which are available to the college community and the community at large.
5. To prepare students to become teachers and practitioners of the arts.
6. To make available to the schools and communities of the Morehead region the special talents and skills of the students and faculty of the Division of Fine Arts.

ART

Mrs. Claypool Mr. Anderson Mr. Young

Objectives:

1. To prepare teachers in modern methods of art instruction and to give them a working knowledge of art processes so that they may be able to guide and stimulate creative expression in children and help them to appreciate the creative work of others.
2. To discover talent among the students, to give the type of instruction necessary to develop this talent, and to furnish the type of art that will function in daily living.
3. To provide sound and basic experiences for those students who intend to continue with some form of creative work.
4. To help in building judgment and discrimination for those whose future role may well be that of patron instead of practicing artist.

Requirements:

For a Major:

	Sem. Hrs.
Art 101, 121, 161, 202, 221, 291, 263 or 264 or 465, 304, 311 or 314, 321, 381, 412 or 415, 413, and 471	30

For a Minor:

Art 101, 121, 161, 202 or 291, 221, 263 or 264 or 465, 311 or 314, 321, 341, and 471	21

For an Area of Concentration in Art:

Art 101, 121, 161, 202, 221, 263, 264, 291, 292, 303, 304, 311, 314, 321, 341, 381, 394, 412, 413, 415, 442, 455, 465, 482, and 471	53

SUGGESTED PROGRAMS

The following programs have been devised to help students in selecting their courses and making their schedules. These suggested schedules need not be followed specifically from semester to semester, but close adherence to them will aid the student in meeting all requirements for graduation.

Provisional High School Certificate with an Area of Concentration in Art

FRESHMAN YEAR

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
P.E.	Activity course	½	P.E.	Activity course	½
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
Sci.	101—Intro. to Biological Sci.		Sci.	102—Intro. to Biological Sci.	
or		3	or		3
Sci.	103—Intro. to Physical Sci.		Sci.	104—Intro. to Physical Sci.	
	Social Science elective	3		Social Science elective	3
Art	101—Drawing	2	Art.	202—Composition & Drawing	2
Art	121—School Art I	3	Art	161—Art Appreciation	3
Hlth.	150—Personal Health	2			
		17½			15½

SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
P.E.	Activity course	½	P.E.	Activity course	½
Sci.	103—Intro. to Physical Sci.		Sci.	104—Intro. to Physical Sci.	
or		3	or		3
Sci.	101—Intro. to Biological Sci.		Sci.	102—Intro. to Biological Sci.	
Psy.	153—General Psychology	3	Ed.	210—Human Growth &	
Art	263—Hist. of Arch. & Sculpture	3		Develop. I	3
Art	291—Color and Design	2	Art	221—School Art II	2
F.A.	160—Apprec. of the Fine Arts		Art	292—Costume Design I	2
or	Foreign Language	3	Art	264—History of Painting	3
		17½			16½

JUNIOR YEAR

First Semester			Second Semester		
S.S.	300—Current World Problems	3	Ed.	300—Intro. to Student Teaching	0
Phil.	200—Intro. to Philosophy		Art	314—Water Color Painting I	2
or	Foreign Language	3	Art	321—Mat. & Meth. for Second	
Art	303—Studio Problems	2		Art	2
Art	304—Figure Drawing & Comp.	2	Art	394—State Design and	
Art	311—Oil Painting I	2		Marionette Production	2
Art	341—Crafts I	2	Art	412—Oil Painting II	2
Art	381—Commercial Art I	2	Art	442—Crafts II	2
			Art	482—Commercial Art II	2
				Elective	3
		16			15

SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	Ed.	477—Professional Semester	15
Art	413—Portrait Painting	2		(The Professional Semester	
Art	415—Water Color Painting II	2		may be taken either	
Art	455—Advanced Art Problems	3		semester of the senior	
Art	465—Modern & Contemporary			year.)	
	Art	3			
Art	471—Seminar	1			
	Elective	2			
		16			15

Provisional High School Certificate with a Major in Art

FRESHMAN YEAR

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
P.E.	Activity course	½	P.E.	Activity course	½
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
Sci.	101—Intro. to Biological Sci.		Sci.	102—Intro. to Biological Sci.	
or		3	or		3
Sci.	103—Intro. to Physical Sci.		Sci.	104—Intro. to Physical Sci.	
	Social Science elective	3		Social Science elective	3
Art	101—Drawing	2	Art	121—School Art I	3
Art	161—Art Appreciation	3		Second Major	3
Hlth.	150—Personal Health	2			
		17½			16½

SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
P.E.	Activity course	½	P.E.	Activity course	½
Sci.	103—Intro. to Physical Sci.		Sci.	104—Intro. to Physical Sci.	
or		3	or		3
Sci.	101—Intro. to Biological Sci.		Sci.	102—Intro. to Biological Sci.	
Psy.	153—General Psychology	3	Ed.	210—Human Growth & Devel. I	3
F.A.	160—Apprec. of the Fine Arts		Art	202—Composition & Drawing	2
or	Foreign Language	3	Art	291—Color and Design	2
Art	221—School Art II	2		Second Major	3
Art	263—Hist. of Arch. & Sculpture				
or		3			
Art	264—History of Painting				
		17½			16½

JUNIOR YEAR

First Semester			Second Semester		
Art	303—Studio Problems	2	Ed.	300—Intro. to Student Teaching	0
Art	311—Oil Painting I		S.S.	300—Current World Problems	3
or		2	Art	304—Figure Drawing & Composition	2
Art	314—Water Color Painting I		Art	381—Commercial Art I	2
Art	321—Mat. & Meth. in Second. Art	2		Second Major	6
Phil.	200—Intro. to Philosophy			Elective	3
or	Foreign Language	3			
	Second Major	6			
		15			16

SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	Ed.	477—Professional Semester (The Professional Semester may be taken either semester of the senior year.)	15
Art	412—Oil Painting II				
or		2			
Art	415—Water Color Painting II				
Art	413—Portrait Painting	2			
Art	471—Seminar	1			
	Second Major	6			
		14			15

DESCRIPTION OF COURSES

Art 101. Drawing. Two hours.

Drawing with various media such as pencil, crayon, charcoal, and colored chalk; sketching—a study of textures, quick action sketches, contour drawings, figure composition, and drawing of the face; simple landscape sketches.

Art 102. Creative Art. One hour.

To give students who are afraid of the technical procedures of an art program the opportunity to engage in any type of art work they choose. Whether credit is earned will be determined by the quality of work produced.

Art 121. School Art I. Three hours.

A study of what art and art appreciation are about; philosophy and methods of teaching art in the elementary grades; materials,

methods and tools; participation in individual and group activities suitable for the grades, both integrated with school subjects and otherwise, such as: drawing, painting, claywork, crafts, movies, puppet shows, bookmaking, feltograms, dioramas, descriptive and animated maps, murals, friezes, blockprinting, lettering, posters, stitchery and glass. Emphasis is placed on creative expression. Observations of art teaching in the Training School as required. This course is an introduction to art and art teaching.

Fine Arts 160. Appreciation of the Fine Arts. Three hours.

To make students aware of the relationship and the common core which permeates all of the arts; to help create the aesthetic emotional responses that contribute to the enjoyment of superior quality in art, drama, and music; and to orient the student to the fine arts through contact with some of the best works. Common expressions such as organization of form, rhythm, repetition, unity, harmony, and tonality are made meaningful through discussions, demonstrations, illustrations, slides, records, exhibitions, and musical performances.

Art 161. Art Appreciation. (For a Minor, Major and Area of Concentration in Art.) Three hours.

A study of the basic foundations of art and the functioning of principles of design on the elements of art to enhance the quality of the art product; the qualities that are essential to good art in any field; study of the best works produced in the creative periods of civilization and art in daily living such as—art in the home, furniture, pottery, ceramics, textiles, dress, graphic arts, civic art, landscape gardening, metal work, photography, advertising, flower arrangement, hairdress, stage design, woodwork, art of the book, glass and the best paintings, architecture, and sculpture of the creative periods.

Art 202. Composition and Drawing. Two hours.

Prerequisite: Art 101.

Composing forms for still life, landscapes, figures, portraits and abstracts in various media such as—charcoal, colored chalk, pastel, fresco, tempera, water colors, and encaustic. Emphasis on creative expression.

Art 221. School Art II. Two hours.

The philosophy and methods of teaching art to children in the intermediate and upper grades; a study of materials, media, and tools suitable for different grade and age levels; getting, making and using inexpensive and homemade materials and tools; actual work with creative art activities as outlined in Art 121.

Art 263. History of Architecture and Sculpture. Three hours.

A brief historical survey of architecture and sculpture of all the ages and a study of influences that produced them. Comparative studies are made; special reports are given by students; and critical consideration is given to selected works of the masters. Illustrated lectures.

Art 264. History of Painting. Three hours.

Paintings are studied in their respective periods and schools and comparative studies of paintings of different periods are made. The effects of historical events, customs, and religious beliefs on the subject and methods of presentation are examined as well as the art structure, styles, characteristics and materials. Illustrated lectures.

Art 291. Color and Design. Two hours.

Physical, psychological, and aesthetic aspects of color; study and application of the fundamental principles of design through lectures, exhibits, and creative work.

Art 292. Costume Design I. Two hours.

The fundamental elements of art, principles of design, and psychology in relation to dress; line, light and dark, form, color and texture as applied to the costume; personality, creative effects, and adaptive designing; history of costume as applied to modern dress; costume sketching in light and dark and color.

Art 303. Studio Problems. Two hours.

Prerequisites: Art 101 and 202.

Planning and making such design problems as colleges, mobiles, stabiles, wire sculpture, glass painting, and other special compositional problems in various mediums.

Art 304. Figure Drawing and Composition. Two hours.

Prerequisite: Art 101.

Study of the figure as a whole–proportion, essentials of artistic anatomy, the figure in action, rhythm; drawing from life model, and from memory; work in a variety of media.

Art 311. Oil Painting I. Two hours.

Prerequisites: Art 101, 121, and 202.

Experiments and investigation in painting; painting from model, still life, and landscape with emphasis on creative interpretation and expression. Studio and field work.

Art 314. Water Color Painting I. Two hours.

Prerequisites: Art 101 and 202.

Methods and materials; arrangement of the palette; composing and painting; still life, portrait, figure, and abstract water color painting.

Art 321. Materials and Methods for Secondary Art. Two hours.

Prerequisite: Art 121.

The course is required of all art majors, minors, and students obtaining an area of concentration in art instead of Art 221 and is to be taken prior to doing student teaching. The course presents the background and philosophy of current trends in secondary art education. Considerations are given to methods and materials as to their incentive–activity relationship. Special consideration is given to the art program in action, as to developing community interests, curricular planning, integrating art activities with other curricular offerings of the school, and problems of art education in Kentucky.

Art 341. Crafts I. Two hours.

Original designing and construction problems in metal, jewelry, clay, ceramics, textiles and glass; techniques such as tie-dye, batik, block and screen printing, marionette, puppet and mask making; sag and laminated glass and enamel works; craftwork that may be adapted to native materials of the local community; creative manipulation of cast-off materials; campcraft. A selection of five different crafts is required.

Art 381. Commercial Art I. Two hours.

Prerequisites: Students planning to take this course will find Art 291 and 304 very helpful.

Color and design in commercial art; elementary psychological principles of advertising design; commercial art processes and mediums; reproductive processes; laboratory problems in lettering, advertising layout, dry brush drawing, lithograph, crayon and pencil drawing, cartooning, poster and sign painting.

Art 394. Stage Design and Marionette Production. Two hours.

Prerequisites: Art 121 and 291.

Art principles and their application to stage design; terminology; types of stage settings; making costumes; construction and decoration of stage scenery and properties; lighting; make-up; types of marionettes and puppets suitable for school use; adapting plays; modeling; constructing and manipulating the characters; making stages and producing plays with marionettes.

Art 412G. Oil Painting II. Two hours.

Prerequisites: Art 101, 202, 304, and 311.

This course is a continuation of Art 311.

Art 413G. Portrait Painting. Two hours.

Prerequisites: Art 101 or 202, 161 or 264, and 311.

At least three portraits will be painted during the semester; training in selection and use of paints and other materials; arrangement of the palette; composition of the portrait; methods of framing the finished product.

Art 415G. Water Color Painting II. Two hours.

Prerequisites: Art 101, 202, or 291, and 314.

This course is a continuation of Art 314.

Art 442G. Crafts II. Two hours.

This course is a continuation of Art 341.

Art 455G. Advanced Art Problems. One to three hours.

Prerequisite: Permission of the instructor.

Advanced students are given an opportunity for additional training in some special art field not provided by regular courses. Opportunity is also provided for research in art education, art history, painting, or techniques. One problem in etching is required.

Art 465G. Modern and Contemporary Art. Three hours.

A survey of the painting, architecture, and sculpture from the time of the roots of modern art—Classicism, Romanticism, and Realism —to and including present-day art. A comparative study is made of the influences of the art of previous times on present-day art.

Art 471. Seminar. One hour.

Research papers and round table discussions.

Art 482G. Commercial Art II. Two hours.

Prerequisites: Art 101 and 381.

This course is a continuation of Art 381.

Art 493G. Costume Design II. Two hours.

Prerequisites: Art 101 or 304, and 292.

Color and personal dress problems; color theory; textures and patterned materials as they affect the individual; corrective and structural designing for the figure; a closer study of personality traits and how they may be enhanced by dress; sketching in color; historic dress.

Art 500. School Art Workshop. Three hours.

Prerequisites: Art 121 and 221 or the equivalent.

Participation in art activities according to individual needs; research studies on the psychology of using various materials and activities at different age levels; and an introduction to new creative methods and media. Also, the study of plans and furnishings for art rooms in schools of varied types and levels.

Art 505. Figure Painting. Two hours.

Prerequisites: Art 304 and 413.

The student works on large canvases with oil paint. Both men and women models are used, and the poses are varied. The student is required to do a minimum of three paintings, one of which shall have more than one figure in the composition. Outside research is required. Individual criticism is given as needed.

Art 513. Painting. Two hours.

Prerequisites: Art 311 and 412.

This course is for art majors and area students who wish to do graduate work in art.

Research into the techniques of various types and materials of painting such as: oil, casein, plastic, plaster, a secco, and buon fresco. Also, examination of the various styles of expression in paint.

Art 516. Water Color Painting for Graduate Students. Two hours.

This course consists of research into the techniques of various types of water color painting expression, creative expression, and experimentation with different water color painting techniques and materials.

MUSIC

Mr. Duncan	Mrs. Hall	Mr. Marzan
Mr. Beane	Mr. Huffman	Mrs. Severy
Mr. Fulbright	Mr. Lesueur	Mr. Stetler

Objectives:

1. To develop a sensitivity to the art and a functional understanding of music.
2. To equip the prospective teacher with the materials and techniques required of vocal, instrumental, and classroom music teachers.

3. To provide the music student and the general student opportunities for participation in performing ensembles.
4. To provide a variety of musical experiences for the college, the community, and the region.

Requirements:

Area of Concentration in Music Education: (This program is designed for students who expect to teach music in the public schools. Certification is for twelve grades.)

	Sem. Hrs.
1. Applied Music	24
Major Applied	7
Class or Private Piano	0-4
Class Voice and Instruments	4
Ensembles	8
Senior Recital (or alternative)	2
Electives	0-3
2. Theory	16
3. History and Literature	8
4. Conducting	2
5. Music Education	6-8
6. Electives	2-4
Minimum for an Area of Concentration	60

Area of Concentration in Applied Music: (This program is designed for students who are planning for professional careers in music either as performers or as private studio teachers. It *does not* meet the requirements for certification to teach in the public schools.)

1. Applied Music	28
Major Applied	13
Piano (for nonpiano majors)	4
Organ (for piano majors)	4
Junior Recital	1
Senior Recital	2
Ensembles	8
2. Theory	20
3. Conducting	2
4. History and Literature	8
5. Electives	2
Minimum for an Area of Concentration	60

Area of Concentration in Music Theory: (This program is designed for students who are planning for professional careers as composers or arrangers, or as theory teachers.)

	Sem. Hrs.	
1. Theory		28
Fundamentals I, II, III, IV	12	
Composition	10	
Recital of Original Compositions	2	
Theory Electives	4	
2. Applied Music		16-20
*Major Applied	6	
Piano (for nonpiano students)	0-4	
Class Instruments and Voice	2	
Ensembles	8	
3. History and Literature		8
4. Conducting		2
5. Music Education (for students who expect to qualify for certification)		6
Minimum for an Area of Concentration		60

*The student must complete junior standing (.6) on the instrument.

Teaching Major in Music: (This program provides a basic background of preparation for either instrumental or vocal music and for either elementary or secondary teaching. It does not qualify the student for the twelve grade certificate and is not recommended for the student who plans to teach music exclusively.)

Program for Instrumental Majors:

1. Applied Music		14-19
Major Instrument Each Semester	8	
Secondary Instruments	4	
Ensembles (one each semester)	2-7	
2. Theory of Music		12
3. History and Appreciation of Music		2
4. Music Education		3
5. Conducting		2
6. Music Electives		0-3
Minimum for the Major		36

Program for Vocal and Piano Majors:

1.	Applied Music		18-23
	Private Voice (or piano) Each Semester	8	
	Class or Private Piano (for voice majors)	4	
	Secondary Instruments or Voice (for piano majors)	4	
	Ensembles (one each semester)	2-7	
2.	Theory of Music		12
3.	History and Appreciation of Music		2
4.	Music Education		3
5.	Conducting		2
6.	Music Electives		0-3
	Minimum for the Major		36

Teaching Minor in Music: (Designed only for students who expect to teach in the elementary grades.)

		Sem. Hrs.	
1.	Applied Music		12
	Private Voice	4	
	**Class or Private Piano	2	
	Ensembles	4	
	Electives	2	
2.	Theory of Music		6
3.	Music History and Literature		2
4.	Conducting		2
5.	Music Education		2-3
	Minimum for the Minor		24

**Students who have studied piano previously may, upon the consent of the department, substitute applied music electives for this requirement.

SUGGESTED PROGRAMS

The following programs have been devised to help students in selecting their courses and making their schedules. These suggested schedules need not be followed specifically from semester to semester, but close adherence to them will aid the student in meeting all requirements.

Provisional High School Certificate with an Area of Concentration in Music Education

FRESHMAN YEAR

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
Sci.	101—Intro. to Biological Sci.	3	Sci.	102—Intro. to Biological Sci.	3
F.A.	160—Appreciation of Fine Arts	3	Psy.	153—General Psychology	3
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
P.E.	Activity course	½	P.E.	Activity course	½
Hlth.	150—Personal Health	2	Mus.	132—Fund. of Music Theory II	3
Mus.	131—Fund. of Music Theory I	3		Private Applied	1
	Private Applied	1		Class Piano	1
	Large Ensemble	1		Large Ensemble	1
		17½			16½

SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
Sci.	103—Intro. to Physical Sci.	3	Sci.	104—Intro. to Physical Sci.	3
	Social Science Elective	3		Social Science Elective	3
P.E.	Activity course	½	P.E.	Activity course	½
Mus.	161—Literature of Music I	1	Mus.	162—Literature of Music II	1
Mus.	231—Fund. of Music Theory III	3	Mus.	232—Fund. of Music Theory IV	3
	Private Applied	1		Private Applied	1
	Class Applied	1		Class Applied	1
	Large Ensemble	1		Large Ensemble	1
		16½			16½

JUNIOR YEAR

First Semester			Second Semester		
S.S.	300—Current World Problems	3	Phil.	200—Intro. to Philosophy	3
Ed.	210—Human Growth and Development	3	Mus.	325—Materials and Methods for Elementary Grades	3
Mus.	375—Materials and Methods for Jr. and Sr. High School		Mus.	362—History of Music II	3
or		3		Theory Elective	2
Mus.	376—Instrumental Materials and Methods			Private Applied	1
Mus.	361—History of Music I	3		Class Applied	1
	Private Applied	1		Applied Elective	1
	Class Applied	1		Large Ensemble	1
	Applied Elective	1			
	Large Ensemble	1			
		16			15

SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	Ed.	477—Professional Semester	15
Mus.	471—Choral Conducting			Private Applied	1
or		2		Large Ensemble	1
Mus.	472—Instrumental Conducting				
Ed.	300—Intro. to Student Teaching	0			
	Theory Elective	2			
Mus.	460—Senior Recital				
or		2			
Mus.	450—Projects in Applied Music and Research				
	Music Electives	4			
	Large Ensemble	1			
		14			17

Area of Concentration in Applied Music

FRESHMAN YEAR

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
Sci.	101—Intro. to Biological Sci.	3	Sci.	102—Intro. to Biological Sci.	3
F.A.	160—Appreciation of Fine Arts	3	Psy.	153—General Psychology	3
	Freshman Orientation	1	P.E.	Activity course	½
P.E.	Activity course	½	Hlth.	150—Personal Health	2
Mus.	131—Fund. of Music Theory I	3	Mus.	132—Fund. of Music Theory II	3
	Private Applied	2		Private Applied	2
	Large Ensemble	1		Large Ensemble	1
		16½			17½

SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
Sci.	103—Intro. to Physical Sci.	3	Sci.	104—Intro. to Physical Sci.	3
	Social Science Elective	3		Social Science Elective	3
P.E.	Activity course	½	P.E.	Activity course	½
Mus.	161—Literature of Music I	1	Mus.	162—Literature of Music II	1
Mus.	231—Fund. of Music Theory III	3	Mus.	232—Fund. of Music Theory IV	3
	Private Applied	2		Private Applied	2
	Large Ensemble	1		Large Ensemble	1
		16½			16½

JUNIOR YEAR

First Semester			Second Semester		
S.S.	300—Current World Problems	3	Phil.	200—Intro. to Philosophy	3
Mus.	361—History of Music I	3	Mus.	362—History of Music II	3
	Theory Elective	2		Theory Elective	2
	Private Applied	2		Private Applied	1
	Private Organ (for piano major) or	1		Private Organ or Piano	1
	Private Piano (for non-piano major)		Mus.	360—Junior Recital	1
	Large Ensemble	1		Large Ensemble	1
	Foreign Language	3		Foreign Language	3
	Math. Elective	2		Math. Elective	2
		17			17

SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	Mus.	471—Choral Conducting	
	Foreign Language	3		or	2
	Theory Elective	2	Mus.	472—Instrumental Conducting	
	Large Ensemble	1		Foreign Language	3
	Private Applied	2		Math. Elective	3
	Private Organ or Piano	1		Theory Elective	2
	Music Elective	2		Large Ensemble	1
	Elective	2	Mus.	460—Senior Recital	2
				Private Organ or Piano	1
		16			14

Provisional High School Certificate with an Area of Concentration in Music Theory

FRESHMAN YEAR

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
Sci.	101—Intro. to Biological Sci.	3	Sci.	102—Intro. to Biological Sci.	3
F.A.	160—Appreciation of Fine Arts	3	Psy.	153—General Psychology	3
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
P.E.	Activity course	½	P.E.	Activity course	½
Hlth.	150—Personal Health	2	Mus.	132—Fund. of Music Theory II	3
Mus.	131—Fund. of Music Theory I	3		Private Applied	1
	Private Applied	1		Class Piano	1
	Large Ensemble	1		Large Ensemble	1
		17½			16½

SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
Sci.	103—Intro. to Physical Sci.	3	Sci.	104—Intro. to Physical Sci.	3
	Social Science Elective	3		Social Science Elective	3
P.E.	Activity Course	½	P.E.	Activity course	½
Mus.	161—Literature of Music I	1	Mus.	162—Literature of Music II	1
Mus.	231—Fund. of Music Theory III	3	Mus.	232—Fund. of Music Theory IV	3
Mus.	263—Elementary Composition I	2	Mus.	264—Elementary Composition II	2
	Private Applied	1		Private Applied	1
	Large Ensemble	1		Large Ensemble	1
		17½			17½

JUNIOR YEAR

First Semester			Second Semester		
Ed.	210—Human Growth and Development	3	S.S.	300—Current World Problems	3
Mus.	375—Materials and Methods for Jr. and Sr. High School		Mus.	325—Materials and Methods for Elementary Grades	3
or		3	Mus.	362—History of Music II	3
Mus.	376—Instrumental Materials and Methods		Mus.	364—Intermed. Composition II	2
Mus.	361—History of Music I	3		Theory Elective	2
Mus.	363—Intermed. Composition	2		Private Applied	1
	Private Applied	1		Class Applied	1
	Class Applied	1		Large Ensemble	1
	Large Ensemble	1			
		14			16

SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	Ed.	477—Professional Semester	15
Phil.	200—Intro. to Philosophy	3		Large Ensemble	1
Mus.	471—Choral Conducting				
or		2			
Mus.	472—Instrumental Conducting				
Ed.	300—Intro. to Student Teaching	0			
Mus.	463—Advanced Composition I	2			
Mus.	470—Composition Recital	2			
	Theory Elective	2			
	Large Ensemble	1			
		15			16

APPLIED MUSIC

Applied music is interpreted as those courses and activities which involve vocal or instrumental performance, individually or in groups, including private and class lessons and large and small ensembles. The major applied instrument is interpreted as that instrument (or voice) upon which the student expects to develop his maximum performance skill.

A student with an area of concentration in music education is expected to register for private instruction on his major applied instrument, or voice, every semester for one hour of credit except during the semester in which he presents his senior recital.

A student with an area of concentration in applied music is expected to register for private instruction on his major applied instrument, or voice, every semester for two hours of credit. Exceptions: Each student will present a half recital in one semester of the junior

year. During this semester he may elect to register for only one hour of credit in his major applied instrument (or voice). During one semester of his senior year, he will present a senior recital. He may elect not to register for credit in his major applied instrument during this semester.

A student with an area of concentration in either applied music or music education will participate each semester in a large ensemble representing his applied major, with or without credit. He will also participate in an additional large ensemble for four semesters.

A student with an area of concentration in applied music will prepare and present a partial recital during his junior year and a full recital in his senior year. At least four weeks before the date of his recital he will play all or part of his proposed program for a faculty jury upon whose approval he will be allowed to present the recital. He must have completed a .5 standing to register for the junior recital and a .7 standing to register for the senior recital. Completion of .8 is required for graduation.

A student with an area of concentration in music education must elect one of the following alternatives upon the advice of his major applied instructor: (1) Prepare and present a public senior recital on the approval of a faculty jury granted at least four weeks prior to the recital date; or (2) Prepare and present a partial recital for a faculty jury only and, in addition, present a research paper prepared under the direction of and with the approval of a music faculty committee. The committee shall consist of the student's major applied instructor plus two other faculty members appointed by the chairman of the division. If he elects the first alternative, he must have completed a .6 standing. In either case, completion of .6 is required for graduation.

At the close of each semester, applied music examinations will be heard by a faculty jury. All students studying applied music privately are expected to perform.

Twice each month the department presents a student recital. Students are scheduled to perform on the advice of their instructors. In addition to student recitals, junior recitals, and senior recitals, the department, the college, and the Northeastern Kentucky Celebrity Series offer recitals by the faculty and other professional concerts. Every area of concentration student is expected to attend a minimum of ten such performances each semester.

A student who expects to be certified to teach upon graduation, and whose major applied instrument is not piano, must meet certain minimum piano requirements by examination. Private or class piano may be elected for the purpose of preparing the student for the quali-

fying examination. The material for the examination will consist of the following:

1. Some facility in scales, including a knowledge of key signatures.
2. Performance of compositions of approximately third grade difficulty from the works of Clementi, Bach, Mozart, etc.
3. Sight reading of four-part hymns and simple instrumental and vocal accompaniments.
4. Playing of simple songs "by ear."

Fees for Applied Music:

Private lessons	Per Semester
*Two lessons per week	$35.00
*One lesson per week	20.00
Practice room rental and organ fee	5.00
Instrumental rental	3.00

*Under certain conditions beginning students in Applied Music may be assigned to a student assistant for instruction. In this event the lesson fee is one-half that charged for work with members of the college staff.

DESCRIPTION OF COURSES

Note: An "A" after the number designation indicates private instruction for two hours of credit. "A(a)" indicates private instruction for one hour of credit. The number after the decimal point indicates the student's semester standing. For example, 217.3A(a) indicates that the student is registered for first semester sophomore piano for one hour credit and that he has attained third semester (.3) level in his ability standing.

Graduate students must demonstrate a .8 standing in order to receive graduate credit for private applied music.

Music 111-412. Class Voice. One hour of credit per semester.

Fundamentals of voice production. Study of selected literature to meet the needs of the individuals.

Music 111A(a)-512A(a). Private Voice. One or two hours of credit per semester.

Vocalizes for the development of correct breathing, tone quality, diction, and range. Repertoire to include studies in Italian, German, French, and English art song; arias from opera and oratorio. Advanced work according to the ability of the student.

Music 114-415. Class Strings. One hour of credit per semester.

Instruction in the basic techniques of playing violin, viola, violoncello, and double bass.

Music 114A(a)-515A(a). Private Strings. One to two hours of credit per semester.

Instruction in the functional techniques of playing one of the string instruments. Advanced work according to the ability of the student.

Music 117-418. Class Piano. One hour of credit per semester.

Group instruction in the fundamentals of piano playing. Designed for students whose major applied instrument is not piano and who have had little or no previous piano instruction.

Music 117A(a)-518A(a). Private Piano. One or two hours of credit per semester.

Instruction in the fundamentals of piano playing, the notation of music, reading, and the development of interpretation and technique with emphasis on styles of the various periods and composers. Advanced work according to the ability of the student.

Music 144A(a)-545A(a). Private Organ. One or two hours of credit per semester.

Prerequisites: Advanced technique in piano and the consent of the instructor.

Fundamentals of organ technique with emphasis on the works of the standard composers such as Mendelssohn, Bach, Guilmant, Franck, Dupre, etc. Advanced work according to the ability of the student.

Music 151-452. Class Woodwinds. One hour of credit per semester.

Instruction in the basic techniques of playing flute, oboe, clarinet, bassoon, and saxophone.

Music 151A(a)-552A(a). Private Woodwinds. One or two hours of credit per semester.

Instruction on one of the woodwind instruments. Advanced work according to the ability of the student.

Music 154-455. Class Brasswinds. One hour of credit per semester.

Instruction in the basic techniques of playing French horn, trumpet, trombone, euphonium, and tuba.

Music 154A(a)-555A(a). Private Brasswinds. One or two hours of credit per semester.

Instruction on one of the brasswind instruments. Advanced study according to the ability of the student.

Music 157-458. Class Percussion. One hour of credit per semester.

Instruction in the basic principles of playing the various standard percussion instruments.

Music 327 and 328. Accompanying. One hour each.

Prerequisite: Consent of the instructor.

Open to qualified piano students. Instruction and practice in the playing of accompaniments for individuals and groups. Required of area students whose major instrument is piano. May be substituted for small ensemble credit.

Music 360. Junior Recital. One hour.

Required of all juniors with an area of concentration in applied music.

Music 427 and 428. Accompanying. One hour each.

Prerequisite: Music 328.

Continuation of Music 328. Recommended for area students whose major instrument is piano. May be substituted for small ensemble credit.

Music 450. Projects in Applied Music and Research. Two hours.

A partial recital to be played for the music faculty plus a research paper to be written under the direction of the faculty.

May be elected upon consent of the faculty by students taking the area of concentration in music education as an alternative to Music 460.

Music 460. Senior Recital. Two hours.

Required of seniors with an area of concentration in applied music and music education. (Music 450 may be substituted, on consent of the faculty, by students taking an area of concentration in music education.)

Music 470. Composition Recital. Two hours.

Preparation and performance of original works.

Music 560. Graduate Recital. Two hours.

Open to students who have completed one semester of graduate standing (.9) in instrument or voice.

ENSEMBLES

A maximum of eight semester hours in the large ensembles and four semester hours in the small ensembles and opera workshop may be counted as required and elective credit by students working toward an area of concentration in applied music and music education. Credit earned in these courses in excess of the maximum indicated will be recorded and counted as additional work beyond the number of hours required for the degree.

Auditions for the various ensembles which require auditions will be held during the first week of each semester in order that students wishing credit may register without penalty.

LARGE ENSEMBLES

Chorus. Open to all students who are interested in singing. Two rehearsals per week. One hour of credit per semester.

Marching Band. Open to all students who play wind or percussion instruments. Required of each music student whose major performing instrument is brass, woodwind or percussion. One hour of credit per semester.

Symphonic Band. Open to students who are able to qualify by audition. One hour of credit per semester.

Beginning Orchestra. Designed for students who desire orchestra experience but who cannot meet the requirements for membership in the concert orchestra. Open to all students who can qualify. One hour of credit per semester.

Concert Orchestra. Open to students who can qualify by audition. One hour of credit per semester.

SMALL ENSEMBLES

Music 187-488V. Madrigal Singers. Open to selected singers who can qualify by audition. One hour of credit per semester.

Music 187-488V. Concert Choir. Open to a limited number of singers selected by audition. One hour of credit per semester.

Fine Arts 187-488V. Opera Workshop. An introduction to the techniques of musical theater with emphasis placed on the integration of music and action—dramatic study of operatic roles emphasizing the development of posture, movement, and interpretation through lectures, exercises, and actual performance. Open to students upon consent of the instructors. One hour of credit per semester.

Music 187-488B. Brass Choir. Open to selected brass instrumentalists who are able to qualify by audition. One hour of credit per semester.

Music 187-488BW. Symphonic Wind Ensemble. Open to a limited number of students by audition. One hour of credit per semester.

Music 187-488W. Woodwind Ensemble. Open to a selected group by audition. One hour of credit per semester.

Music 187-488S. String Ensemble. Open to selected string players who can qualify by audition. One hour of credit per semester.

Music 187-488P. Piano Ensemble. Open to piano students upon consent of the instructor. Emphasis placed on sight reading, solo and ensemble performance, piano literature, and accompanying. One hour of credit per semester.

Music 187-488. Additional small ensembles to be organized as needed to meet the needs of students. One hour of credit per semester.

THEORY OF MUSIC

Music 100. Rudiments of Music. Two hours.

A course in the fundamentals of music notation and the basic elements of music theory. Some elementary voice and keyboard experience. Required for elementary certificate. Prerequisite for Music 221. Offered each semester and summer session. Four periods per week.

***Music 131. Fundamentals of Music Theory I. Three hours.**

Sight-singing, dictation, keyboard and written harmony in an integrated course. Offered during the first semester. Four periods per week.

***Music 132. Fundamentals of Music Theory II. Three hours.**

Continuation of Music 131. Offered during the second semester. Four periods per week.

Music 231. Fundamentals of Music Theory III. Three hours.

A continuation of Music 132. Offered during the first semester. Four periods per week.

*Freshman students who have studied theory previously may, after passing an examination, elect Music 263 and 264 in lieu of one or both of these courses. Music theory majors, who pass the examination, may elect other theory courses for which they are qualified.

Music 232. Fundamentals of Music Theory IV. Three hours.

A continuation of Music 231. Offered during the second semester. Four periods per week.

Music 263. Elementary Composition I. Two hours.

Prerequisite: Music 232 or consent of the instructor.

The study and practice of basic melodic, harmonic, rhythmic and formal principles of composition.

Music 264. Elementary Composition II. Two hours.

Prerequisite: Music 263.

A continuation of Music 263. Compositions in the smaller forms and for small ensembles.

Music 331G. Counterpoint. Two hours.

Prerequisite: Music 132 or the equivalent.

Polyphonic writing in sixteenth and eighteenth century styles, with more emphasis on the eighteenth century: canon, two- and three-part inventions and elementary fugal writing. Some study of the use of counterpoint in the twentieth century.

Music 363. Intermediate Composition I. Two hours.

Prerequisite: Music 264.

Study of contemporary forms, styles and materials through the use of scores and recordings; original compositions in selected styles and forms; emphasis upon performance of students' works. Class and private study.

Music 364. Intermediate Composition II. Two hours.

Prerequisite: Music 363.

A continuation of Music 363. Class and private study.

Music 431. Arranging. Two hours.

Prerequisite: Music 232 or the equivalent, or approval of the instructor.

A study of the practical ranges of voices and instruments; transposition; scoring of selected materials and/or original compositions for voices and instruments.

Music 432. Advanced Arranging. Two hours.

Prerequisite: Music 431.

Continuation of Music 431; scoring for large vocal and instrumental ensembles.

Music 463G. Advanced Composition I. Two hours.

Prerequisite: Music 364.

A continuation of Music 364. Experiments in scoring for large ensembles; study of relationships of the various choirs; attention to the development of pieces as they are influenced by the various media of expression. Both class and private study.

Music 464G. Advanced Composition II. Two hours.

Prerequisite: Music 463G.

A continuation of Music 463G. Consideration of continuity and timing in the development of melodic, harmonic and rhythmic materials; experiments in the use of tone color contrasts in the melodic line(s) and in the accompanimental figures. Both class and private study.

Music 465G. Form and Analysis I. Two hours.

Prerequisite: Music 132 or consent of the instructor.

A study of the elements of musical design through aural and score analysis with emphasis upon the simple basic forms—two- and three-part song forms, dance forms of the classical suite, theme and variations, short vocal forms and the simple contrapuntal forms such as canon and invention.

Music 466G. Form and Analysis II. Two hours.

Prerequisite: Music 465G.

A continuation of Music 465G with emphasis upon advanced forms—rondo, sonata, fugue and large choral and orchestral forms.

Music 531. Arranging for the Marching Band. Two hours.

Prerequisite: Music 432 or the equivalent.

Study of half-time show styles; experiments in arranging in selected styles; attention to individual needs.

Music 563. Creative Writing I. Two hours.

Prerequisite: Music 464G or the equivalent.

Private coaching and advising in the development of the student's individual style of composition.

Music 564. Creative Writing II. Two hours.

Prerequisite: Music 563.

Continuation of Music 563. Public or semi-public performance of the student's selected works.

MUSIC EDUCATION

Music 221. Music for the Elementary Teacher. Two hours.

Prerequisite: Music 100.

A course in methods of teaching music in rural and urban schools, with emphasis on methods and materials for elementary grades. Not open to music majors.

Offered each semester and summer session.

Music 300. Workshop for Elementary Teachers. Three hours.

The organization of this workshop is such that elementary teachers have an opportunity to work with materials and techniques designed to meet the everyday needs of the school room. Credit earned may be substituted for Music 100 or 221.

Music 300P. Piano Workshop and Clinic. One hour.

Prerequisite: Four semesters of piano or the equivalent.

An intensive experience with the techniques and procedures of piano teaching with emphasis upon class piano.

Music 301-502. Clinics in Public School Music. Three hours. (Offered only by extension.)

The emphasis in these courses is directed toward the needs of the individuals enrolled. The content is related directly to the public school program in the areas of vocal, instrumental, and classroom music.

Music 325. Materials and Methods for Elementary Grades. Three hours.

Prerequisite: Music 232.

A course in materials and methods for the primary and intermediate grades.

Music 329. Church Music. Two hours.

Primarily for the organist and the minister of music. A brief survey of the place of music in the church from its beginning; study

of the techniques of hymn and anthem playing and/or directing; use of the organ in the service; and planning of worship services. Required of organ majors.

Music 335. Field Experience. Three hours.
(Open only to advanced students.)

Two full days weekly of teaching under supervision in public schools in nearby communities.

Music 336. Field Experience. Three hours.
A continuation of Music 335.

Music 375. Materials and Methods for Junior and Senior High School. Three hours.
Prerequisite: Music 232.

Discussion of the various activities including chorus, glee club, orchestra, band, practical or applied music, history and appreciation, and theory. Special attention is given to the subject of the adolescent voice and to correlation and integration of music with other subjects.

Music 376. Instrumental Materials and Methods. Three hours.
Prerequisite: Credit for applied music in at least two of the following fields: strings, brasswind, woodwind, percussion.

Materials and methods for the instrumental program from the elementary grades through the senior high school. Discussion of methods of instruction, organization of materials, teaching procedures, and instrumental techniques in the school music program. Special consideration will be given to the evaluation of methods and repertoire for the various phases of the instrumental program.

Music 377. Instrument Repair and Maintenance. One hour.
Demonstration and practice in the repair and maintenance of string, brasswind, percussion, and woodwind instruments. Two hours per week.

Music 400. Advanced Workshop in Elementary School Music. Two hours.
A continuation of the experience begun in Music 300.

Music 471. Choral Conducting. Two hours.
Prerequisite: Music 232.

Required of voice students taking the area of concentration in

applied music and music education. Fundamental principles of choral conducting, the study of choral literature and experience in conducting vocal ensembles. Two hours per week plus laboratory periods as needed.

Music 472. Instrumental Conducting. Two hours.

Prerequisite: Music 232.

Required of instrumental students taking the area of concentration in applied music and music education. Fundamental principles of instrumental conducting, study of instrumental literature and experience in conducting instrumental ensembles. Two hours per week plus laboratory periods as needed.

Music 479. Marching Band Workshop. Two hours.

An intensive course designed for the study of the techniques involved in preparing marching bands for performance on the high school and college levels. Required of wind and percussion majors who are working toward an area of concentration in music education.

Music 480. Seminar. One hour.

This seminar is designed to be an aid to music area and minor students through the discussion of and possible solution of special problems which they as music teachers will meet in the service field. Two class meetings per week.

Music 513. Teaching of Voice. Two hours.

Prerequisite: Consent of the instructor.

Evaluation of prevalent teaching methods, vocal problems and vocal materials. Observation and practical experience in teaching and coaching.

Music 516. Teaching of Strings. Two hours.

Prerequisite: Undergraduate major or minor in music with a minimum of four semesters of stringed instrument study or two years experience as a teacher of strings.

A survey of teaching techniques and materials at all levels with emphasis upon applications to the school orchestra program. Observation and practical experience in teaching and coaching.

Music 519. Teaching of Piano. Two hours.

Prerequisite: Consent of the instructor.

Study of piano teaching techniques and materials at all levels. Observation and practical experience in teaching.

Music 532. Teaching of Theory. Two hours.

Prerequisite: Four semesters of theory.

Survey of the areas of theory usually taught on the secondary and undergraduate college levels; reviews and criticisms of selected texts; attention to techniques of presentation.

Music 553. Teaching of Woodwinds. Two hours.

Prerequisite: Undergraduate major or minor in music with a minimum of four semesters of woodwind study or two years of woodwind teaching.

Detailed study of methods of teaching flute, oboe, the clarinets, the saxophones and bassoon; materials to be used in instruction; attention to specific problems of performance. Observation and practical experience in teaching and coaching.

Music 556. Teaching of Brasses. Two hours.

Prerequisite: Undergraduate major or minor in music with a minimum of four semesters of brass study or two semesters of brass teaching.

Comparative study of the various techniques and recent trends in the teaching of brass instruments; intensive consideration of the problems involved in performance. Observation and practical experience in teaching and coaching.

Music 561. Teaching of Music Appreciation. Two hours.

Prerequisite: Music 221 or the equivalent. Not open to students who have majored in music at the undergraduate level.

A study of recorded music and supplementary materials used in teaching music appreciation in the schools and the methods of presentation.

MUSIC HISTORY AND APPRECIATION

Fine Arts 160. Appreciation of the Fine Arts. Three hours.

Common expressions such as organization of form, rhythm, repetition, unity, harmony and tonality will be made meaningful through discussions, demonstrations, illustrations, slides, records, exhibitions, and musical performances. Taught by a faculty panel of one member each from art, drama, and music.

Music 161. Literature of Music I. One hour.

A general course designed to promote intelligent listening and to provide a basic understanding of representative literature of various periods and styles.

Music 162. Literature of Music II. One hour.

A continuation of Music 161.

Music 361. History of Music I. Three hours.

A survey of the history of music in western Europe from its ancient Greek beginnings through the early eighteenth century. Fall semester and alternate summer terms.

Music 362. History of Music II. Three hours.

A continuation of Music 361. The history of music in western Europe, Russia, and America from the late eighteenth through the early twentieth century. Spring semester and alternate summer terms.

Music 491G. School Band Literature. Two hours.

Examination and criticism of available music for both training and concert use. Development of criteria for choosing materials for groups at various levels of attainment.

Music 590. Studies in the Literature of Music. Two hours.

Detailed analysis of the music of individual composers, musical styles and periods.

Music 592. School Choral Literature. Two hours.

Examination and criticism of available music for both training and concert use. Development of criteria for choosing materials for groups at various levels of attainment.

SPEECH AND DRAMATIC ART

Mr. Fry Mr. Loughrie Mr. Holtan

Requirements:

	Sem. Hrs.
For a Major in Speech and Dramatic Art	
Speech 182, 280, 380, and Dramatic Art 283, 285, 380	18
To be selected with the approval of the department depending upon the student's emphasis on speech or dramatics	12
Minimum for a Major	30
For a Minor in Speech and Dramatic Art	
Speech 182, 280, and Dramatic Art 283, 380	12
To be selected with the approval of the department depending upon the student's emphasis on speech or dramatics	12
Minimum for a Minor	24
For a Minor in Speech (Pre-law and other non-education majors)	
Speech 182, 280, 382 or 383, 420 or 425	12
Additional in speech to be selected with the approval of the department	6
Minimum for a Minor	18
For a Minor in Dramatic Art (Community theater, children's theater, recreation directors)	
Speech 182, Dramatic Art 283, 285, 380 and 387 or 388	15
Additional in dramatic art to be selected with the approval of the department	3
Minimum for a Minor	18

Recommendations for majors and minors:

1. It is recommended that speech emphasis majors select their second major, or minors, from the related field of English and/or social science.

2. Dramatic art emphasis majors should select their second major, or a minor, from the related field of English.
3. All majors and minors are expected to participate in as many speech and dramatic art departmental activities as possible. This includes at least one major forensic and one major dramatic activity during the course of the academic work.

DESCRIPTION OF COURSES

SPEECH

Speech 182. Voice and Articulation. Three hours.

How speech sounds are made; care and improvement of the voice; essentials of distinct utterance and acceptable pronunciation; introduction to basic phonetic symbols; and correction of minor vocal irregularities. Two class periods and two laboratory hours per week. Primarily for majors and minors.

Speech 280. Basic Speech. Three hours.

A course designed to develop proficiency in oral communication skills: selection, analysis and organization of speech materials; speaker-listener relationships; the use of oral language; maximum use of the vocal mechanism; and bodily expression. Special attention is given to individual problems. Two class periods and two laboratory hours per week.

Speech 281. Public Speaking. Three hours.

Emphasis is placed on techniques of advanced speech composition and delivery; application of psychological principles in adapting to audience situations: study of contemporary speech examples; training in preparing and delivering informative, persuasive, entertaining and other special forms of speeches. Two class periods and two laboratory hours per week.

Speech 284. Oral Interpretation. Three hours.

Prerequisite: English 102 and sophomore standing.

This course is designed to aid the student in improving his ability to read orally. Emphasis is upon understanding and communicating the meanings of prose, poetry and drama. Group and individual readings before the class are followed by at least one public performance. Two class periods and two laboratory hours per week.

Speech 300. Oral Communication. Three hours.

The student will develop an understanding and appreciation of the basic speech processes of breathing, phonation, articulation and resonance. He will, consequently, develop a clearer evaluation of his own speech behavior and develop those techniques which permit "best use" of the vocal mechanism. Special attention will be given to individual problems; primarily for nonspeech students. Four hours of laboratory, one hour of lecture.

Speech 301. Radio Workshop. Three hours.

Prerequisite: Permission of the instructor.

Planning and production of radio programs; radio station management; control room operation and microphone technique. Also discussion of techniques which carry over into television production. One class period and four laboratory hours per week.

Speech 320. Introduction to Corrective Speech. Three hours.

An introductory course in speech correction for the classroom teacher. Study of the nature, etiology and treatment of the various kinds of speech defects in order that the teacher may know how to correct minor irregularities in the classroom and be able to recognize the major speech defects which must be referred to a certified speech therapist.

Speech 321. Corrective Speech Laboratory. Two hours.

Prerequisite: Speech 320 or the equivalent.

Students work in actual laboratory situations in the speech laboratory. Highly recommended for all prospective teachers. Four laboratory hours per week and necessary conferences.

Speech 360. Persuasion. Three hours.

Prerequisite: Speech 280.

Study of the nature and methods of persuasion as applied to speech making for influencing group opinion and action; preparation and presentation of persuasive speeches followed by criticism and recording. Two class periods and two laboratory hours per week.

Speech 380G. Applied Phonetics. Three hours.

Phonetic analysis of speech symbolization, with practice in semi-narrow and narrow transcription. Applications are made to specific areas of speech.

Speech 381. Speech for Teachers. Three hours.

Designed specifically for the nonspeech student who has taught. Of particular value to the teacher directing the high school speech activities. Purposes: to acquaint the teacher with the techniques of the various speech activities at his disposal for classroom use; to give basic knowledge of phonetics; to inform the teacher of the nature of speech disorders and of her place in helping children who have speech problems. Two class periods and two laboratory hours per week.

Speech 382. Argumentation and Debate. Three hours.

Procedures in debating with emphasis on practical training in reasoning, analysis, briefing arguments and delivery. Two class periods and two laboratory hours per week.

Speech 382A. Debate Activity. One hour.

This course is to give recognition to the students doing intercollegiate debating for the intellectual activity involved.

Speech 383G. Group Discussion. Three hours.

Consideration of discussion in a democratic society; group dynamics; techniques of leadership and participation; study of logical processes and reasoning; experience in symposiums, panel discussions, forums and other formal and informal discussions. Two class periods and two laboratory hours per week.

Speech 420G. Survey of Rhetorical Theory. Three hours.

The student is introduced to the basic concepts, terminology, and methods of rhetorical criticism as evolved from the ancient Greeks to the present age. Aristotle, Quintillian, St. Augustine, George Campbell, Richard Whately and other rhetoricians will be studied. Three class periods per week.

Speech 425G. Survey of British and American Public Address. Three hours.

A study of speech through the analysis of outstanding British and American speakers from the eighteenth century to the present. The composition and delivery of the various speeches in their political, social and economic contents will be studied. Oral practice in reading and delivering these speeches will give the student insight into speech as a dynamic process in society.

Speech 481G. Speech Problems. Three hours.

Individual problems of phonation, pronunciation and interpretation for experienced speakers; extensive study and research on some significant problem in speech.

DRAMATIC ART

Fine Arts 160. Appreciation of the Fine Arts. Two hours. (Not open to art majors)

To make students aware of the relationship and the common core which permeates all of the arts; to help create the aesthetic emotional responses that contribute to the enjoyment of superior quality in art and music; and to orient the student to the fine arts through contact with some of the best works. Common expressions such as organization of form, rhythm, repetition, unity, harmony, and tonality are made meaningful through discussions, demonstrations, illustrations, slides, records, exhibitions, and musical performances.

Dramatic Art 283. Elements of Play Production. Three hours.

A course designed to give the student a basic knowledge of the various aspects in play production; introduction to set construction, set design, lighting design, and execution of these elements. Practical application of theory will be emphasized. Four hours per week.

Dramatic Art 284. Acting Techniques. Three hours.

A study of acting from the aesthetic and practical viewpoints with emphasis on theories of acting for stage, radio and television. Discussions and drills on the elements of acting, voice, diction, movement, rhythm and timing. Four hours per week.

Dramatic Art 285. Stage Design. Three hours.

Basic training in the use of color and composition of the theater; practical experience in designing, operation and application for productions in lighting, costuming, and scenery. Four hours per week.

Dramatic Art 380. Play Directing. Three hours.

Prerequisite: Dramatic Art 283.

Theories and principles of directing; casting; director's interpretation; planning action; and making the prompt-book. The project method is used and practical experience gained in play production. Four hours per week.

Dramatic Art 383. Staging Techniques. Three hours.

Prerequisite: Dramatic Art 283 or the equivalent.

Advanced problems in stage management; types of modern staging. Four hours per week.

Dramatic Art 387. Children's Theater. Three hours.

Concentrated study of the problems involved in the organization and production of plays for and with children.

Dramatic Art 388. Creative Dramatics. Three hours.

A study of informal drama and its application to the classroom. Lectures and demonstrations.

Dramatic Art 452G. Early Dramatic Literature. Three hours.

A detailed study of representative plays from the great periods of dramatic literature, from the Greeks to mid-nineteenth century. Reading of plays and collateral readings in critical sources. Three hours per week.

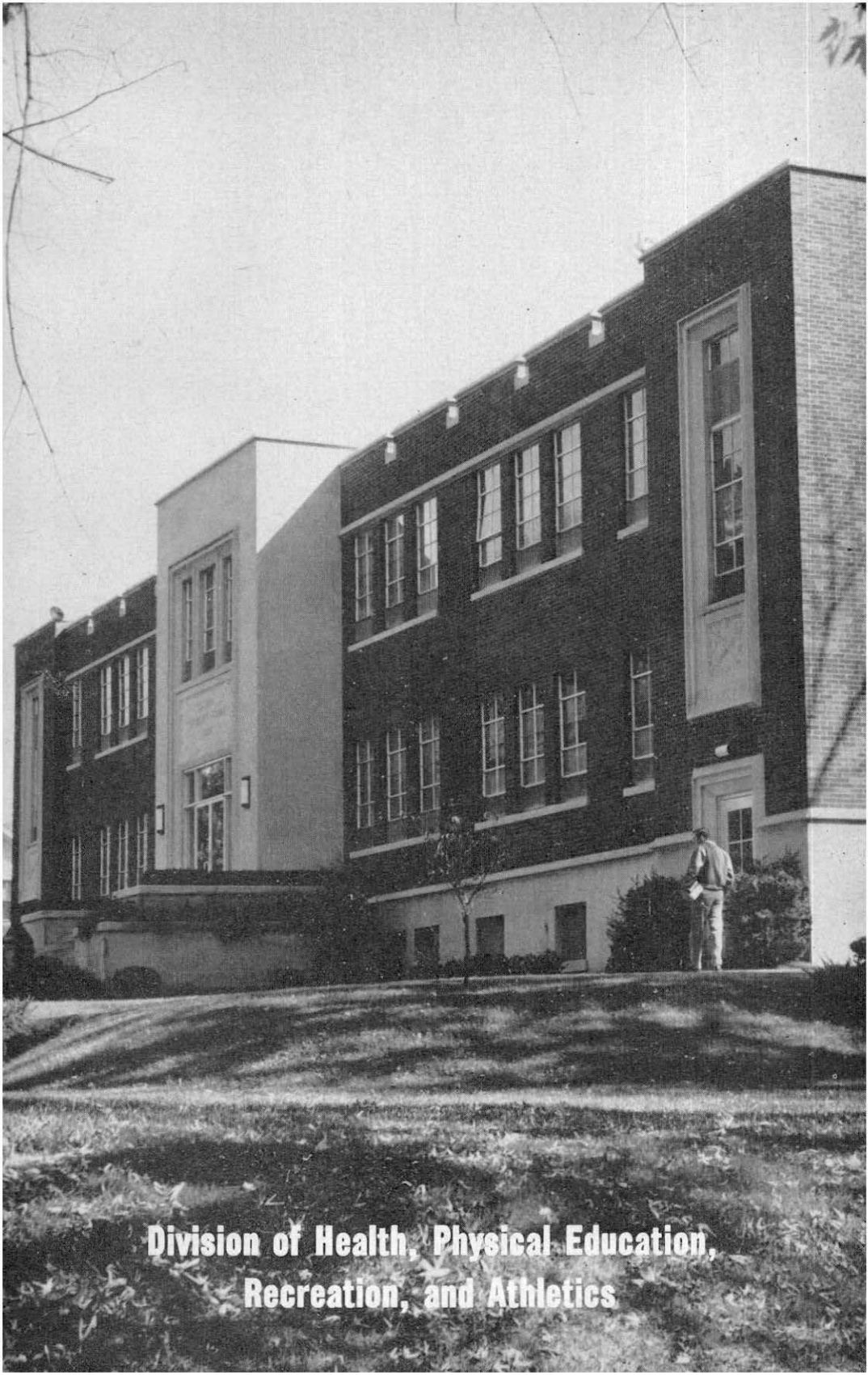
Dramatic Art 453G. Modern Drama. Three hours.

A detailed study of the drama from the growth of realism to the present day. Specific emphasis on the various styles of the late nineteenth and the twentieth centuries. Reading of representative plays and collateral reading in critical sources.

Dramatic Art 483G. Problems in the Theater. Three hours.

Prerequisites: Eighteen hours in dramatic art and literature and permission of the instructor.

Research and survey projects in one selected department of theater technique.



Division of Health, Physical Education, Recreation, and Athletics

Division of Health, Physical Education, Recreation, and Athletics

Mr. Herrold, Chairman	Mrs. Dunlap	Miss Pemberton
Mr. Allen	Mr. Hall	Mr. Penny
Mr. Bentley	Mr. Kelly	Mr. Stewart
Mr. Chaney	Mr. Laughlin	Mrs. Ward
Mr. Dudley	Mr. Mack	Miss Williamson

Objectives:

1. Provide programs that indicate how health, physical education, and recreation contribute to effective living.
2. Offer sufficient undergraduate and graduate courses to accommodate and challenge all students.
3. Provide opportunities for acquiring knowledge, skills, and attitudes that provide satisfaction and competence.
4. Inculcate behavior that reflects desirable personal traits.
5. Encourage competent persons to enter the profession.
6. Develop understanding of the service and professional requirements of the division.
7. Stimulate a professional awareness among those interested in health, physical education and recreation.
8. Cooperate with professional and service organizations.
9. Assist communities with the presentation of adequate programs through clinics, workshops, extension courses, consultant service, conferences, and affiliation programs.
10. Develop qualified people for the profession of health, physical education, recreation, and athletics.

Requirements:

For students qualifying for the Provisional Elementary Certificate:

	Sem. Hrs.
Physical Education 300 and four activity courses	4
Health 300	2
	6

For students qualifying for the Provisional High School Certificate:

Physical Education: Four activity courses	2
Health 150	2
	4

For an Area of Concentration in Physical Education and Health (Men):

Physical Education 120, 121, 122, 123, 130, 131, 132, 109M, 119M, 209M, 219M, 309M, 319M, 409M, 150, 300, 301, 303, 304, 305 and 401	32½
Health 150, 203, 300, 303, 304, 305, 320 and 402	18
Recreation 285	2
	52½*

For an Area of Concentration in Physical Education and Health (Women):

Physical Education 100, 101, 102, 103, 104, 105W, 110W, 112W, 113W, 120, 121, 122, 123, 130, 131, 132, 150, 300, 301, 303, 304, 305, 306W, 308W and 401	26
Health 150, 203, 300, 303, 304, 305, 320 and 402	18
Recreation 201 and 285	4
	48*

For a Major in Physical Education and Health (Men): (This program qualifies only for teaching in the secondary school.)

Physical Education 120, 121, 122, 123, 130, 131, and 132	3½
Selected from 109M, 119M, 209M, and 219M	4
Selected from 309M, 319M and 409M	4
150, 301, 303, 304, 305 and 401	12
Health 150, 203, 303, 304 and 402	11
	34½*

For a Major in Physical Education and Health (Women): (This program qualifies only for teaching in the secondary school.)

Physical Education 100, 101, 102, 103, 104, 110W, 112W, 120, 121, 122, 123, 130, 131, 132, 306W, 308W, 150, 301, 303, 304, 305 and 401	23
Health 150, 203, 303, 304 and 402	11
	34*

*In addition to these requirements, all students completing this area or major must earn credit for Biology 332 and 336.

For a Minor in Health:
Health 150, 203, 300, 303, 304, 305, 320 and 402_____ 18

For all students: To meet the requirements in General Education all students take a minimum of one course in each of the following activity areas*

Individual

P.E. 100 Golf
101 Tennis
102 Badminton
103 Archery
104 Gymnastics
105 Conditioning
106 Wrestling
107 Bowling

Aquatics**

P.E. 130 Beginning Swimming
131 Intermediate Swimming
132 Life Saving

Team

P.E. 110 Softball-Volleyball
111M Touch Football-Basketball
112W Field Hockey-Basketball
113 Soccer-Speedball

Rhythmics

P.E. 120 Basic Rhythms – prerequisite for 121, 122, and 123.
121 Modern Dance
122 Social Dance
123 Folk and Square Dance

*In unusual circumstances other arrangements may be made by the Chairman of the Division.

**It is not recommended that first semester freshmen take Aquatics. Students are required to take a proficiency test before being placed in a swimming class.

SUGGESTED PROGRAMS

The following programs have been devised to help students in selecting their courses and in making their schedules. These suggested schedules need not be followed specifically from semester to semester, but close adherence to them will aid the student in meeting all requirements for graduation.

Provisional High School Certificate with an Area of Concentration in Physical Education and Health (Men)

FRESHMAN YEAR

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
Sci.	101—Intro. to Biological Sci.		Sci.	102—Intro. to Biological Sci.	
or		3	or		3
Sci.	103—Intro. to Physical Sci.		Sci.	104—Intro. to Physical Sci.	
	Social Science elective	3		Social Science elective	3
Hlth.	150—Personal Health	2	F.A.	160—Apprec. of the Fine Arts	
P.E.	150—Intro. to Phys. Educ.	2	or	Foreign Language	3
P.E.	109M—Individual Sports I	2	P.E.	119M—Individual Sports II	2
P.E.	120—Basic Rhythms	½	P.E.	122—Social Dance	½
			P.E.	130—Beginning Swimming	½
		16½			16

SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
Sci.	103—Intro. to Physical Sci.		Sci.	104—Intro. to Physical Sci.	
or		3	or		3
Sci.	101—Intro. to Biological Sci.		Sci.	102—Intro. to Biological Sci.	
Psy.	153—General Psychology	3	Ed.	210—Human Growth &	
P.E.	209M—Recreational Sports I	2		Develop. I	3
P.E.	121—Modern Dance	½	P.E.	219M—Recreational Sports II	2
Hlth.	300—Health in the El. Sch.	2	P.E.	131—Intermediate Swimming	½
Hlth.	203—First Aid	2	Rec.	285—Community Recreation	2
P.E.	300—Phys. Ed. in the El. Sch.	2	Hlth.	303—Community Hlth. Probs.	2
		17½			15½

JUNIOR YEAR

First Semester			Second Semester		
Biol.	336—Human Anatomy	3	Biol.	332—Human Physiology	3
Phil.	200—Intro. to Philosophy		S.S.	300—Current World Problems	3
or	Foreign Language	3	Ed.	300—Intro. to Student Teaching	0
P.E.	303—Phys. Ed. in the Sec. Sch.	2	P.E.	301—Evaluation in Hlth. & P.E.	3
P.E.	309M—Team Sports I	2	P.E.	319M—Team Sports II	2
P.E.	304—Affiliation in Phys. Educ.	1	P.E.	305—Affiliation in Phys. Educ.	1
Hlth.	304—Health in the Sec. Sch.	2	P.E.	123—Folk & Square Dance	½
P.E.	132—Life Saving	½		Elective	4
Hlth.	305—Safety	2			
		15½			16½

SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	Ed.	477—Professional Semester	15
P.E.	401—Org. & Adm. of Phys. Ed.	3		(The Professional Semester	
Hlth.	402—Kinesiology	3		may be taken either	
P.E.	409—Team Sports III	2		semester of the senior	
Hlth.	320—Nutrition	3		year.)	
	Elective	2			
		16			15

Provisional High School Certificate with an Area of Concentration in Physical Education and Health (Women)

FRESHMAN YEAR

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
Sci.	101—Intro. to Biological Sci.		Sci.	102—Intro. to Biological Sci.	
or		3	or		3
Sci.	103—Intro. to Physical Sci.		Sci.	104—Intro. to Physical Sci.	
	Social Science elective	3		Social Science elective	3
Hlth.	150—Personal Health	2	F.A.	160—Apprec. of the Fine Arts	
P.E.	150—Intro. to Phys. Educ.	2	or	Foreign Language	3
	Activity courses	1	Hlth.	203—First Aid	2
				Activity courses	1
		15			16

SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
Sci.	103—Intro. to Physical Sci.		Sci.	104—Intro. to Physical Sci.	
or		3	or		3
Sci.	101—Intro. to Biological Sci.		Sci.	102—Intro. to Biological Sci.	
Psy.	153—General Psychology	3	Ed.	210—Human Growth &	
P.E.	300—Phys. Ed. in the El. Sch.	2		Develop. I	3
Rec.	201—Outdoor Recreation	2	P.E.	303—Phys. Ed. in the Sec. Sch.	2
	Activity courses	1	Hlth.	303—Community Hlth. Probs.	2
	Elective	3	Rec.	285—Community Recreation	2
				Activity courses	1½
		17			16½

JUNIOR YEAR

First Semester			Second Semester		
Ed.	300—Intro. to Student Teaching	0	S.S.	300—Current World Problems	3
Phil.	200—Intro. to Philosophy		Biol.	332—Human Physiology	3
or	Foreign Language	3	P.E.	301—Evaluation in Hlth. & P.E.	3
Biol.	336—Human Anatomy	3	P.E.	305—Affiliation in Phys. Educ.	1
P.E.	304—Affiliation in Phys. Educ.	1	P.E.	308W—Team Sports	2
P.E.	306W—Individual Sports	2	Hlth.	304—Health in the Sec. Sch.	2
Hlth.	300—Health in the El. Sch.	2		Activity courses	1
	Activity courses	1½		Elective	2
	Elective	3			
		15½			17

SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	Ed.	477—Professional semester	15
P.E.	401—Org. & Adm. of Phys. Ed.	3		(The Professional Semester	
Hlth.	402—Kinesiology	3		may be taken either	
Hlth.	320—Nutrition	3		semester of the senior	
	Activity courses	1		year.)	
	Elective	3			
		16			15

Provisional High School Certificate with a Major in Physical Education and Health (Men)

FRESHMAN YEAR

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
Sci.	101—Intro. to Biological Sci.		Sci.	102—Intro. to Biological Sci.	
or		3	or		3
Sci.	103—Intro. to Physical Sci.		Sci.	104—Intro. to Physical Sci.	
	Social Science elective	3		Social Science elective	3
P.E.	150—Intro. to Phys. Educ.	2	F.A.	160—Apprec. of the Fine Arts	
Hlth.	150—Personal Health	2	or	Foreign Language	3
	Elective	2		Second Major	3
	Activity course	½		Activity course	½
		16½			16½

SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
Sci.	103—Intro. to Physical Sci.		Sci.	104—Intro. to Physical Sci.	
or		3	or		3
Sci.	101—Intro. to Biological Sci.		Sci.	102—Intro. to Biological Sci.	
Psy.	153—General Psychology	3	Ed.	210—Human Growth &	
P.E.	109M—Individual Sports or			Develop. I	3
P.E.	209M—Recreational Sports	2	P.E.	119M—Individual Sports or	
P.E.	300—Phys. Ed. in the El. Sch.	2	P.E.	219M—Recreational Sports	2
	Second Major	3	P.E.	303—Phys. Ed. in the Sec. Sch.	2
	Activity course	½		Second Major	3
				Activity course	½
		16½			16½

JUNIOR YEAR

First Semester			Second Semester		
Ed.	300—Intro. to Student Teaching	0	S.S.	300—Current World Problems	3
Biol.	336—Human Anatomy	3	Biol.	332—Human Physiology	3
P.E.	304—Affiliation in Phys. Educ.	1	P.E.	305—Affiliation in Phys. Educ.	1
P.E.	309M—Team Sports I	2	P.E.	319M—Team Sports II	2
Phil. or Hlth.	200—Intro. to Philosophy Foreign Language 303—Community Hlth. Probs.	3 2		Second Major	6
	Second Major	6		Activity course	½
	Activity course	½			
		17½			15½

SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	Ed.	477—Professional Semester (The Professional Semester may be taken either semester of the senior year.)	15
P.E.	401—Org. & Adm. of Phys. Ed.	3			
Hlth.	402—Kinesiology	3			
Hlth.	304—Hlth. in the Sec. Sch.	2			
	Second Major	3			
	Activity course	½			
		14½			15

Provisional High School Certificate with a Major in Physical Education and Health (Women)

FRESHMAN YEAR

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
Sci. or Sci.	101—Intro. to Biological Sci. or 103—Intro. to Physical Sci.	3	Sci. or Sci.	102—Intro. to Biological Sci. or 104—Intro. to Physical Sci.	3
	Social Science elective	3		Social Science elective	3
P.E.	150—Intro. to Phys. Educ.	2	F.A. or	160—Apprec. of the Fine Arts Foreign Language	3
Hlth.	150—Personal Health	2		Second Major	3
	Activity courses	1		Activity courses	1
		15			17

SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
Sci. or Sci.	103—Intro. to Physical Sci. or 101—Intro. to Biological Sci.	3	Sci. or Sci.	104—Intro. to Physical Sci. or 102—Intro. to Biological Sci.	3
Psy.	153—General Psychology	3	Ed.	210—Human Growth & Develop. I	3
Hlth.	303—Community Hlth. Probs.	2	P.E.	303—Phys. Ed. in the Sec. Sch.	2
	Second Major	3		Second Major	3
	Activity courses	1		Activity courses	1
	Elective	2			
		17			15

JUNIOR YEAR

First Semester			Second Semester		
Ed.	300—Intro. to Student Teaching	0	S.S.	300—Current World Problems	3
Biol.	336—Human Anatomy	3	Biol.	332—Human Physiology	3
Hlth.	304—Health in the Sec. Sch.	2	Phil. or	200—Intro. to Philosophy Foreign Language	3
P.E.	301—Evaluation in Hlth. & P.E.	3	P.E.	305—Affiliation in Phys. Educ.	1
P.E.	304—Affiliation in Phys. Educ.	1	P.E.	306W—Individual Sports	2
	Second Major	6		Second Major	3
	Activity courses	1		Activity courses	1
		16			16

SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	Ed.	477—Professional Semester (The Professional Semester may be taken either semester of the senior year.)	15
P.E.	401—Org. & Adm. of Phys. Ed.	3			
Hlth.	402—Kinesiology	3			
P.E.	308W—Team Sports	2			
	Second Major	6			
		17			15

PHYSICAL EDUCATION

DESCRIPTION OF COURSES

OPEN TO BOTH MEN AND WOMEN

Physical Education 100. Golf. One-half hour.

Emphasis on skill, knowledge, tactics and techniques for individual participation. Four hours weekly for nine weeks.

Physical Education 101. Tennis. One-half hour.

Emphasis on skill, knowledge, tactics and techniques for individual participation. Four hours weekly for nine weeks.

Physical Education 102. Badminton. One-half hour.

Emphasis on skill, knowledge, tactics and techniques for individual participation. Four hours weekly for nine weeks.

Physical Education 103. Archery. One-half hour.

Emphasis on skill, knowledge, tactics and techniques for individual participation. Four hours weekly for nine weeks.

Physical Education 107. Bowling. One-half hour.

Acquaint the student with the basic movement skills involved in bowling. Other factors considered will be knowledge of the rules, scoring, and the accepted procedures used in individual and team play. Two hours weekly.

Physical Education 120. Basic Rhythms. One-half hour.

Large muscles activities performed to a beat or rhythm; a means of self-expression. Two hours weekly.

Physical Education 121. Modern Dance. One-half hour.

History of the dance techniques, rhythmic fundamentals, use of music and response to music for development of rhythmic patterns; creative dance composition. Two hours weekly.

Physical Education 122. Social Dance. One-half hour.

To learn the basic steps and combinations of popular dances as the fox trot, waltz, jitterbug, Latin rhythms; to acquire a skill in these steps to participate in dancing for pleasure and satisfaction. Two hours weekly.

Physical Education 123. Folk and Square Dance. One-half hour.

Traditional social dances of people of many nations, including the American square dance. Two hours weekly.

Physical Education 130. Beginning Swimming. One-half hour.

To learn to swim well enough to care for one's self under ordinary conditions. Basic strokes—side, back, overarm or crawl. Two hours weekly.

Physical Education 131. Intermediate Swimming. One-half hour.

Prerequisite: Satisfactory completion of beginning swimming or passing of a standard test.

Perfection of standard strokes; diving. Two hours weekly.

Physical Education 132. Life Saving. One-half hour.

Prerequisite: Physical Education 131 or passing a standard test.

Personal safety and self-rescue skills so that one may be capable of taking care of one's self. The ability to aid or rescue anyone in danger of drowning, if rescue is possible, by the best and safest method applying to the situation.

Physical Education 150. Introduction to Physical Education. Two hours.

Principles and basic philosophy; aims and objectives; standards, and significance in the school program of physical education.

Physical Education 300. Physical Education in the Elementary School. Two hours.

Selection and organization of materials and techniques of instruction for the elementary school program.

Physical Education 301. Evaluation in Health, Physical Education and Recreation. Three hours.

Methods, techniques, and procedures used in the evaluation of programs of health, physical education, and recreation. Three hours lecture and two laboratories weekly.

Physical Education 303. Physical Education in the Secondary School. Two hours.

Selection and organization of materials and techniques of instruction for the secondary school program.

Physical Education 304-305. Affiliation in Physical Education. One hour.

Students will observe and assist a staff member in one or more of the service classes. The course is designed to give the student practical teaching experience under the guidance of qualified instructors within a particular area. Two hours weekly.

Physical Education 401. Organization and Administration of Physical Education. Three hours.

The arrangement of the units making up the physical education program, and the process of leadership by which the various aspects are brought together in a functioning whole.

Physical Education 403. Driver Education. Two hours.

Motor traffic safety; techniques for instructing student drivers; administering driving tests. Open only to juniors and seniors who are qualified drivers.

Physical Education 500. Current Problems in Physical Education. Two hours.

The purpose of this course is to identify, evaluate and propose solutions for problems confronted by individuals and groups who are concerned with health, physical education and recreation.

Physical Education 501. Tests and Measurements in Health, Physical Education and Recreation. Three hours.

Fundamental principles of evaluation in health and physical education including accepted tests for classification, neuromuscular proficiency, capacity and knowledge.

Physical Education 503. Theory and Philosophy of Dance. Two hours.

The relationship of aesthetic and dance theory to a philosophy of dance in education and as a performing art.

Physical Education 504. History and Principles of Physical Education. Three hours.

Development of physical education; analysis of its aims, objectives and principles.

SECTIONS FOR MEN AND SECTIONS FOR WOMEN

Physical Education 104. Gymnastics. One-half hour.

Self-testing activities; tumbling, apparatus, and trampoline. Two hours weekly.

Physical Education 105. Conditioning. One-half hour.

Emphasis on developing physical fitness through a variety of exercises and activities. Two hours weekly.

Physical Education 110. Softball and Volleyball. One-half hour.

Rules, techniques and participation in softball and volleyball. Two hours weekly.

Physical Education 113. Soccer and Speedball. One-half hour.

Rules, techniques and participation in soccer and speedball. Four times a week for nine weeks.

COURSES FOR WOMEN ONLY

Physical Education 112W. Field Hockey and Basketball. One-half hour.

Designed to familiarize the student with fundamental skills and techniques in group play. Two hours weekly.

Physical Education 306W. Individual Sports I. Two hours.

Techniques and methods in individual sports to be used in teaching sports skills. Four classes and/or laboratory hours per week.

Physical Education 308W. Team Sports I. Two hours.

Techniques, knowledge, methods of teaching and source materials in teaching sports skills. Four classes and/or laboratory hours per week.

COURSES FOR MEN ONLY

Physical Education 106M. Wrestling. One-half hour.

Rules of interscholastic and intercollegiate wrestling, various holds and escapes, and conditioning necessary to perform. Two hours weekly.

Physical Education 109M. Individual Sports I. Two hours.

Emphasis on the development of performance skill and teaching techniques in tennis, badminton, and golf. Four class and/or laboratory hours per week.

Physical Education 111M. Touch Football and Basketball. One-half hour.

Rules, techniques and participation in touch football and basketball. Two hours weekly.

Physical Education 119M. Individual Sports II. Two hours.

Emphasis on the development of performance skill and teaching techniques in wrestling, gymnastics, and swimming. Four class and/or laboratory hours per week.

Physical Education 204M. Officiating. Two hours.

Interpretation of rules for football and basketball. Methods and techniques of officiating; laboratory experience in officiating.

Physical Education 209M. Recreational Sports I. Two hours.

Emphasis on the development of performance skill and teaching techniques in archery, softball, and aerial darts. Four class and/or laboratory hours per week.

Physical Education 219M. Recreational Sports II. Two hours.

Emphasis on the development of performance skill and teaching techniques in volleyball, bowling, speedball, soccer, paddle ball, and handball. Four class and/or laboratory hours per week.

Physical Education 302M. Athletic Injuries. Two hours.

Theory and practice of massage, bandaging, taping and caring for athletic injuries. Two hours lecture and one hour laboratory weekly.

Physical Education 309M. Team Sports I. Two hours.

Emphasis on the development of performance skill and teaching techniques in basketball. Four class and/or laboratory hours per week.

Physical Education 319M. Team Sports II. Two hours.

Emphasis on the development of performance skill and teaching techniques in track and field, cross-country, and baseball. Four class and/or laboratory hours per week.

Physical Education 409M. Team Sports III. Two hours.

Emphasis on the development of performance skill and teaching techniques in football. Four class and/or laboratory hours per week.

HEALTH

Health 150. Personal Health. Two hours.

A practical course designed to draw attention to the principles and practice of healthful living from the viewpoint of the individual student.

Health 203. First Aid. Two hours.

Includes the Standard Red Cross Instructors Course as well as first aid from the standpoint of the prospective teacher.

Health 300. Health in the Elementary School. Two hours.

Presentation of teaching materials based on the health needs of the child. The integration of health with other subjects and related materials will be included.

Health 303. Community Health Problems. Two hours.

Community health problems with emphasis upon the development of attitudes toward good community health education.

Health 304. Health in the Secondary School. Two hours.

Health instruction for junior and senior high school. Special emphasis is placed upon scientific facts in teaching health principles for more effective living.

Health 305. Safety. Two hours.

Directed toward the problem of safety in the world today. Emphasizing safety instruction in the elementary, junior, and senior high school.

Health 320. Elements of Nutrition. Three hours.

Designed to provide basic understanding of the importance of nutrition as a factor in personal and community health problems. Studies include all nutrients needed in normal dietary allowances, guides for planning well-balanced dietaries, nutritional needs of people of various ages, and common nutritional problems of people today. Two lecture discussion periods per week.

Health 402. Kinesiology. Three hours.

The purpose of this course is to analyze body mechanics as applied to joint movement, motion of muscle groups, analysis of body movements and adaptions of exercises to posture training and athletic activities.

Health 501. School Health Services. Two hours.

A course for teachers and school administrators concerned with the general program of health education in the school. Organization and content of health services, healthful living, and health education.

Health 532. Physiology of Exercise. Two hours.

Study of the fundamental causes of observed effects of exercise on circulation, respiration, muscle tone, etc.

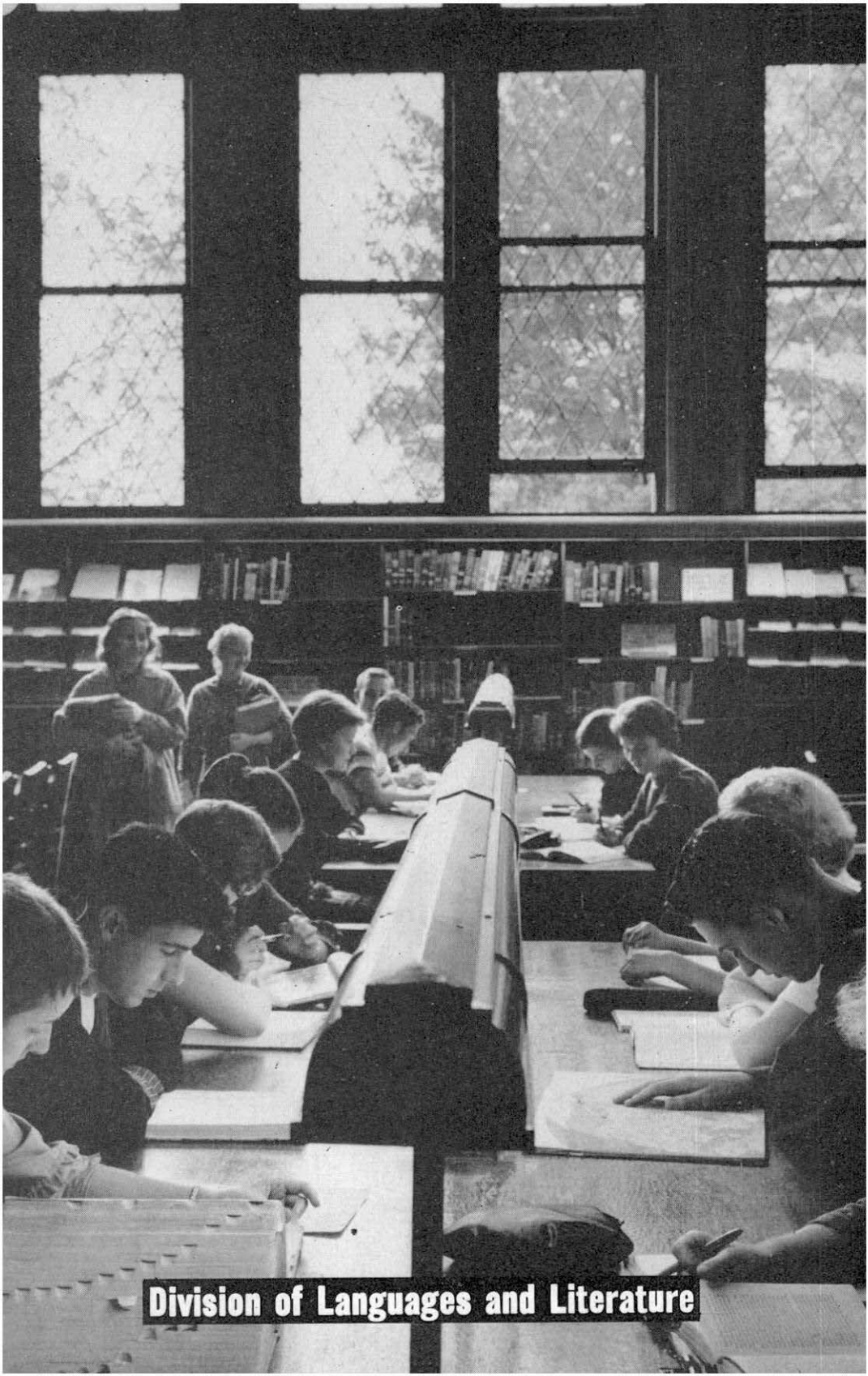
RECREATION

Recreation 201. Outdoor Recreation. Two hours.

Emphasizes the integration of outdoor activities with the school program with attention to utilization of facilities in the local area.

Recreation 285. Organization and Administration of Community Recreation. Two hours.

Emphasizes the general aspects of community recreation, the place of the school and other social institutions in recreation.


Division of Languages and Literature

Division of Languages and Literature

Mr. Boswell, Chairman	Mr. Galford	Mr. Prince
Mr. Banks	Mr. Hampton	Mr. Roberts
Mrs. Boggs	Mrs. Lesueur	Mr. Stewart
Miss Chapman	Miss Maggard	Mr. Venettozzi
Mrs. Combs	Mr. McWhorter	Mr. Whartenby
Mrs. Day	Mrs. Moore	Miss Williams

Objectives:

The Division of Languages and Literature is concerned with the study of four languages—English, Latin, French, and Spanish—and with the literatures composed in these languages. Its three chief objectives are:

1. To teach languages as basic tools, the mastery of which will serve as—
   a. Means toward the study of literatures and cultures.
   b. Keys to universal communication and the exchange of ideas.
2. To teach literature as an important transmitter of human values.
3. To give the student imaginative, vicarious, and realistic experiences in human problems.

ENGLISH

Objectives:

1. To make a significant contribution to the general education of all students by—
   a. Helping them improve their written and spoken English so that they may use the language effectively.
   b. Acquainting them with literature so that they may better understand themselves and other people, and may have resources within themselves for enjoying and enriching their own lives and those of their families and communities.
   c. Reaching and developing some of their creative abilities.

2. To develop teachers of English who will be able to present this subject effectively.
3. To provide an adequate foundation for the study of English at the graduate level.

Requirements:

For all Degrees:	Sem. Hrs.
English 101, 102, 201, and 202	12

For a Major:	
English 101, 102, 201, and 202	12
English 331 or 333, 332, 342, 433 or 434, 393, and 435	18
Minimum for a Major	30

For a Minor:	
English 101, 102, 201, and 202	12
English 331 or 332 or 333, 343, 433 or 434, and 435	12
Minimum for a Minor	24

For an Area of Concentration: Since teachers of English usually teach in only one field and are frequently expected to sponsor dramatic activities, speech activities, and a school newspaper, it is strongly recommended that students carefully consider the desirability of taking this Area.

English 101, 102, 201, and 202	12
English 290, 331 or 333, 332, 342, 452 or 453, 393, 433 or 434, and 435	24
Speech 280 or 300, and 284	6
Dramatic Art 283	3
Journalism 380	3
Minimum for an Area	48

In addition to the above, it is strongly recommended that students taking either the Major or Area develop proficiency in a foreign language. The minimum amount of credit in a foreign language that can be counted on a degree is six hours.

SUGGESTED PROGRAMS

The following programs have been devised to help students in selecting their courses and making their schedules. These suggested schedules need not be followed specifically from semester to semester, but close adherence to them will aid the student in meeting all requirements for graduation.

Provisional High School Certificate with a Major in English

FRESHMAN YEAR

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
P.E.	Activity course	½	P.E.	Activity course	½
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
Sci.	101—Intro. to Biological Sci.		Sci.	102—Intro. to Biological Sci.	
or		3	or		3
Sci.	103—Intro. to Physical Sci.		Sci.	104—Intro. to Physical Sci.	
	Elective in Social Science	3		Elective in Social Science	3
	Foreign Language	3		Foreign Language	3
Hlth.	150—Personal Health	2		Second Major	3
		15½			16½

SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
P.E.	Activity course	½	P.E.	Activity course	½
Sci.	103—Intro. to Physical Sci.		Sci.	104—Intro. to Physical Sci.	
or		3	or		3
Sci.	101—Intro. to Biological Sci.		Sci.	102—Intro. to Biological Sci.	
Psy.	153—General Psychology	3	Ed.	210—Human Growth & Develop. I	3
	Foreign Language	3		Foreign Language	3
	Second Major	3	Spch.	280—Basic Speech	3
			Eng.	305—Advanced Grammar	2
		15½			17½

JUNIOR YEAR

First Semester			Second Semester		
Eng.	331—Neoclassical Writers		Ed.	300—Intro. to Student Teaching	0
or		3	Eng.	332—Romantic Writers	3
Eng.	333—Victorian Writers		Eng.	342—American Writers since 1850	3
Eng.	433—English Fiction		Spch.	284—Oral Interpretation	3
or		3	Eng.	290—Advanced Writing	2
Eng.	434—American Fiction			Second Major	6
S.S.	300—Current World Problems	3			
	Second Major	6			
	Elective	2			
		17			17

SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	Ed.	477—Professional Semester (The Professional Semester may be taken either semester of the senior year.)	15
Eng.	393—History of the Language	3			
Eng.	435—Shakespeare	3			
	Second Major	6			
		15			15

Provisional High School Certificate with an Area of Concentration in English

FRESHMAN YEAR

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
P.E.	Activity course	½	P.E.	Activity course	½
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
Sci.	101—Intro. to Biological Sci.		Sci.	102—Intro. to Biological Sci.	
or		3	or		3
Sci.	103—Intro. to Physical Sci.		Sci.	104—Intro. to Physical Sci.	
	Social Science elective	3		Social Science elective	3
	Foreign Language	3		Foreign Language	3
Hlth.	150—Personal Health	2	Psy.	153—General Psychology	3
		15½			16½

SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
P.E.	Activity course	½	P.E.	Activity course	½
Sci.	103—Intro. to Physical Sci.		Sci.	104—Intro. to Physical Sci.	
or		3	or		3
Sci.	101—Intro. to Biological Sci.		Sci.	102—Intro. to Biological Sci.	
	Foreign Language	3		Foreign Language	3
Spch.	280—Basic Speech	3	Dram.	283—Elements of Play	
Ed.	210—Human Growth &			Production	3
	Develop. I	3	Spch.	284—Oral Interpretation	3
			Eng.	305—Advanced Grammar	2
		15½			17½

JUNIOR YEAR

First Semester			Second Semester		
Eng.	331—Neoclassical Writers		Ed.	300—Intro. to Student Teaching	0
or		3	Eng.	332—Romantic Writers	3
Eng.	333—Victorian Writers		Eng.	342—American Writers since	
Eng.	290—Advanced Writing	3		1850	3
Eng.	433—English Fiction		Eng.	380—Intro. to Journalism	3
or		3	Dram.	452—Early Dramatic Literature	
Eng.	434—American Fiction		or		3
S.S.	300—Current World Problems	3	Dram.	453—Modern Drama	
	Elective	4		Elective	5
		16			17

SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	Ed.	477—Professional Semester	15
Eng.	393—History of the Language	3		(The Professional Semester	
Eng.	435—Shakespeare	3		may be taken either	
	Elective	6		semester of the senior	
				year.)	
		15			15

DESCRIPTION OF COURSES

English 101. Writing and Speaking. Three hours.

A course for the development of collegiate writing, reading, and speaking; review of grammar and the organization of written papers; dictionary and word study for speed in reading; frequent papers and oral reports

Students who are deficient in English usage will be assigned to sections that meet five days a week. Conversely, some sections will be reserved for students of high ability.

English 102. Writing and Speaking. Three hours.
Prerequisite: English 101.

A continuation of English 101 with emphasis on critical writing and thinking; analysis of essays, poetry, and fiction; frequent papers, including the short research paper.

English 201. Introduction to Literature. Three hours.

A course designed to help students understand and enjoy great imaginative literature; the elements of poetry, fiction and drama; wide reading in world, English, and American masterpieces; essay writing and reports.

English 202. Introduction to Literature. Three hours.
A continuation of English 201.

English 290. Advanced Writing. Three hours. (Not offered in 1962-1963)

A study of description, narration, exposition, and poetry with extensive practice in the writing of these forms; class analysis, themes, and conferences.

English 305. Advanced Grammar. Two hours.

This course is more than a continuation of Freshman Writing and Speaking. Emphasis will be placed on a detailed study of English accidence and syntax and the teaching of grammar in secondary schools.

English 331. Neoclassical Writers. Three hours.
(Formerly Classical Writers)

A study of representative selections from English prose and poetry of the Neoclassical Period. Major writers to be considered include Dryden, Swift, Pope, Johnson, and Goldsmith.

English 332. Romantic Writers. Three hours.

An orientation to English romanticism designed to provide representative readings and a critical appreciation of the best and most characteristic work during the English Romantic Movement.

English 333. Victorian Writers. Three hours.

Designed to examine the range and achievement of prose writing from Carlyle to Pater and poetry from Tennyson to Swinburne.

English 341. American Writers Before 1850. Two hours.

A survey of Puritan and Colonial backgrounds; early poets and novelists; emphasis on major figures including Hawthorne, Longfellow, Thoreau, and Emerson.

English 342. American Writers Since 1850. Three hours.

A continuation of English 341 from Whitman to Fitzgerald; attention to local colorists, realists, and naturalists; reports and research paper.

English 365. Literature of the South. Two hours.

The South in literature—readings in the greatest and most representative Southern authors. Poe, Simms, the local colorists, Wolfe, Faulkner, others. Emphasis on Kentucky writing.

English 367. The Bible as Literature. Three hours.

Judeo-Christian thought and culture as found in biblical narrative, biography, drama, poetry, and sermons; scriptural history; influence of the Bible on Western Civilization.

English 380. Introduction to Journalism. Three hours.

Prerequisite: Permission of instructor.

Procedures and practice in news gathering and news and feature writing; the steps in publication; participation on the staff of the college paper.

English 381. Techniques of Journalism. Three hours.

Prerequisite: Permission of the instructor.

Copy reading; makeup and its problems; editorials and editorial columns and pages; newspaper law.

English 390. Imaginative Writing and Literature. Three hours.

A continuation of English 290 leading to techniques of the novel, short story, and poem; intensive study and extensive writing in one of these forms; comparisons, criticisms, analyses, and conferences.

English 393G. History of the Language. Three hours.

The shaping forces of our language from an early Germanic dia-

lect to its present form; streams of other languages that have enriched the English tongue; grammar, rules, and conventions and their relation to language usage; semantics.

English 433G. English Fiction. Three hours.

The development primarily of the English novel from the eighteenth to the twentieth century; the major novels of the period including works of Fielding, Smollett, Austen, Dickens, Thackeray, George Eliot, Hardy and Joyce.

English 434G. American Fiction. Three hours.

The American novel and short story of the nineteenth and twentieth centuries; the major novels of the period including works of Cooper, Hawthorne, Melville, Crane, Hemingway, and Steinbeck.

English 435G. Shakespeare. Three hours.

A study of the life and influence of the greatest English dramatist; the reading of selected poetry, comedies, histories, and tragedies; critical approaches to his works.

English 436G. The English Renaissance. Three hours.

Readings and study in Renaissance English literature, with concentration on the works of Spenser and Milton as the greatest exemplars of the age. Attention is also given to selected prose and poetry of other writers of the period.

English 444G. Folk Literature. Three hours.

(Formerly Kentucky Literature and Folklore)

The origins and primitive forms of literature, such as the proverb, tale, epic, ballad, and folk drama. Attention is given to the use of folklore in teaching.

English 451G. English Poetry. Two hours.

The great poetry in the English language from the Renaissance to the present with special emphasis on the lyric.

English 452G. Early Dramatic Literature. Three hours.

See Dramatic Art 452G.

English 453G. Modern Drama. Three hours.

See Dramatic Art 453G.

English 480G. Twentieth Century Literature. Three hours.

The literature and writers of our own time, beginning about 1900. The chief writers and movements of contemporary literature, primarily in the English language.

English 390 or 490G. Writers' Workshop. Two or three hours.

Sustained writing; evaluation of manuscripts; study of successful authors; marketing of manuscripts; writing of fiction, nonfiction, poetry, and plays.

English 501. Readings in English Literature. Two to six hours.

This course is designed to meet the needs of the graduate student who wishes advanced credit in English literature as advised by the department and his graduate committee. Extensive readings will be selected from Chaucer, Shakespeare, Milton, Pope, Burns, Wordsworth, Dickens, and Hardy.

English 502. Readings in American Literature. Two to six hours.

Similar to English 501, this course emphasizes major American writers—Hawthorne, Poe, Melville, Emerson, Whitman, Frost, and Hemingway.

English 513. Literary Criticism. Three hours.

The development of critical writings about literature from Aristotle and Horace to Empson and Eliot. Principal movements: classicism, romanticism, neoclassicism, realism, naturalism, and impressionism.

English 520. Realism in American Literature. Three hours.

A study of the most important developments of theme and technique in American fiction from 1865 to 1900 with special emphasis on the works of Mark Twain.

English 535. Comparative Literature. Three hours.

A study of the currents of literatures as they developed simultaneously: French, German, Russian, and English. Knowledge of a foreign language is not required.

FOREIGN LANGUAGES

FRENCH

Objectives:

1. To help students acquire a basic knowledge of the structure of modern French and to broaden their horizons by introducing them to a language and a culture different from their own.

2. To help majors and minors in French acquire the ability to read, write, and speak practical French comfortably; and to introduce students interested in literature to outstanding contributions of major French authors.

3. To help prospective teachers of French by making them familiar with techniques of teaching a foreign language—the use of maps, records, tape recordings, and practical application of the language.

Requirements:

For a Major in French:	Sem. Hrs.
French 101, 102, 201, 202, 305 and 450	18
Advanced credit in French	9
Minimum for a Major	27

For a Minor in French:	
French 101, 102, 201, 202, and 305 or 306	15
One course selected from 432, 433, 434, 435 and 436	3
Minimum for a Minor	18

Students desiring certification are strongly urged to enroll in French 450.

Note: Students who have had one or two units in high school French may enroll in French 101 and receive full credit provided a mark of at least "B" is earned in it.

DESCRIPTION OF COURSES

French 101. Beginning French. Three hours.

An introduction to French language and culture; examination of the structure of French through elementary conversations based on pattern sentences; practice in reading selected passages of cultural material.

French 102. Beginning French. Three hours.

Continuation of French 101.

French 201. Intermediate French. Three hours.

Prerequisite: French 102 or two units in high school French.

Readings in selected French prose of recognized masters giving insight into the French national character; grammar review stressing idiomatic expressions and irregular verbs; continued emphasis on improving pronunciation through conversation and laboratory practice.

French 202. Intermediate French. Three hours.

Prerequisite: French 201 or permission of the instructor.

Continuation of French 201, with more emphasis on conversation.

French 305. Conversation and Composition. Three hours.

Prerequisites: French 202 or permission of the instructor.

More intensive work in the spoken language with conversations based on specific situations; short translations and compositions on assigned topics; grammar review.

French 306. Rapid Reading. Three hours.

Prerequisite: French 202 or permission of the instructor.

A brief examination of substantial selections from representative texts illustrating the characteristics of the major periods of French literature from the Renaissance to the present. Introduction to problems in style and historical study of the language.

French 432G. Literature of the 17th Century. Three hours.

Prerequisite: French 202 or its equivalent.

Study of French Classicism through representative plays of Corneille, Racine, and Moliere; extracts from Descartes, Boileau, Pascal, La Fontaine, and others.

French 433G. Literature of the 18th Century. Three hours.

Prerequisite: French 202 or its equivalent.

Development of rationalistic and democratic tendencies as expressed in the writings of the period leading up to the Revolution; selected material from Buffon, Montesquieu, the Encyclopedists, Voltaire, Rousseau, and others.

French 434G. Literature of the 19th Century. Three hours.

Prerequisite: French 202 or its equivalent.

Examination of representative works illustrating the development of literature from Romanticism to Realism and Symbolism: Hugo, Flaubert, Baudelaire, Rimbaud, and others.

French 435G. Modern Writers. Three hours.

Prerequisite: French 202 or its equivalent.

Selected works of recent writers: France, Romains, Gide, Proust, Giraudoux, Sartre, and others.

French 436G. Advanced French Grammar. Three hours.

Prerequisite: French 305 or the equivalent.

This course is designed to give greater proficiency in writing and analyzing sentence structure; irregular verbs and idiomatic expressions; selected translations of increasing difficulty and free compositions on assigned topics.

French 437. Junior Year Abroad. Three hours.

Prerequisite: French 202 or permission of the instructor.

A study of French civilization through selected readings and reports on assigned topics.

French 450G. French for Elementary Teachers.

Prerequisite: Permission of the instructor.

Primarily a teaching experience in a classroom situation. Students will conduct classes in the lower grades at Breckinridge Training School. Instruction in the operation of the language laboratory; periodic conferences with the instructor. Because this course gives practical instruction in teaching at the elementary level and enables prospective high school teachers to understand the kind of instruction given in the elementary school, this course should be taken by all students planning to teach French.

LATIN

Objectives:

1. To help prospective teachers of any subject improve their use of the English language with respect to grammar, pronunciation, writing, and vocabulary.
2. To enable students in the arts and pre-professional courses to handle technical terms more easily.
3. To prepare teachers of Latin for the primary and secondary schools.
4. To broaden the students' background by a study of Roman civilization.

Requirements:

For a Minor:	Sem. Hrs.
Latin 101, 102, 201, and 202	12
Electives from Latin 301, 302, 401 or 402	6
Minimum for a Minor	18

Note: Students who have had one or two units in high school Latin may enroll in Elementary Latin 101 and receive full credit provided a mark of at least "B" is earned in it.

DESCRIPTION OF COURSES

Latin 101. Elementary Latin. Three hours.

Basic elements of Latin grammar, easy reading, use of the dictionary, verbal skills, vocabulary study, and background material.

Latin 102. Elementary Latin. Three hours.

Prerequisite: Latin 101 or the equivalent.

Review and continuation of grammar and easy reading; further emphasis on use of the dictionary; development of verbal skills and increased vocabulary; further reading in background material.

Latin 201. Intermediate Latin. Three hours.

Prerequisite: Latin 102 or the equivalent.

Review and continuation of Latin 102; continuing emphasis on vocabulary development and background material.

Latin 202. Intermediate Latin. Three hours.

Prerequisite: Latin 201 or the equivalent.

A study of modern problems existing in ancient Rome as revealed in the writings of Sallust and Cicero; reading of both adapted and original selections from these authors; grammar and word study; background material.

Latin 301. Advanced Latin. Three hours.

Prerequisite: Latin 202 or the equivalent.

Reading of selections from Ovid's *Metamorphoses;* mythology; scansion; word study; Ovid's influence.

Latin 302. Advanced Latin. Three hours.

Prerequisite: Latin 301 or the equivalent.

Reading of selections from Virgil's Aeneid; mythology; scansion; word study; collateral reading based on the Augustan Age of Rome.

Latin 401. Latin Literature. Three hours.

Prerequisite: Nine hours of Latin above the elementary level.

Reading of selections from Horace, Virgil, Catullus, Tibullus, and others; syntax and meters involved; word study. May be repeated for additional credit since the literature covered is not always the same. Consult the instructor before re-enrolling.

Latin 402. Latin Literature. Three hours.

Prerequisite: Nine hours of Latin above the elementary level.

Reading of selections from Livy, Tacitus, Suetonius, and others; background material on Roman historical writing; word study. May be repeated for additional credit since the literature covered is not always the same. Consult the instructor before re-enrolling.

SPANISH

Objectives:

1. To help the student acquire a proficiency in speaking, reading, and writing Spanish.
2. To prepare teachers of Spanish for the primary and secondary schools by acquainting them with the modern techniques of teaching the language.

3. To give the student a better understanding of the Spanish-speaking peoples and their culture.
4. To develop in the student a further understanding of the structure of language.

Requirements:

For a Minor:	Sem. Hrs.
Spanish 101, 102, 201, and 202	12
Electives from Spanish 305, 308, 401, and 402	6
Minimum for a Minor	18

Note: Students who have had one or two units in high school Spanish may enroll in Elementary Spanish 101 and receive full credit provided a mark of at least "B" is earned in it.

DESCRIPTION OF COURSES

Spanish 101. Elementary Spanish. Three hours.

A course for beginners in the language. Practice in reading, hearing, and speaking simple Spanish with essential grammatical background.

Spanish 102. Elementary Spanish. Three hours.

Prerequisite: Spanish 101 or one year of high school Spanish. A continuation of Spanish 101.

Spanish 201. Intermediate Spanish. Three hours.

Prerequisite: Spanish 102 or two years of high school Spanish.

Reading of Spanish short stories and selections from essays and novels; practice in conversation; review of grammar.

Spanish 202. Intermediate Spanish. Three hours.

A continuation of Spanish 201.

Spanish 305. Conversation and Composition. Three hours.

To help all students, especially those interested in teaching at the elementary level or those who wish to travel, to acquire the ability to write and speak the language. Laboratory experience is an integral part of the course.

Spanish 308. Spanish-American Literature. Three hours.
Prerequisite: Spanish 202 or the equivalent.
A study of representative writers and outstanding literary productions of Spanish America. Outside reading of one thousand to twelve hundred pages of selected works.

Spanish 401. Classical Spanish Literature. Three hours.
A general survey of Spanish literature from its beginning through the seventeenth century.

Spanish 402. Modern Spanish Literature. Three hours.
A general survey of Spanish literature from the eighteenth century to the present.

LIBRARY SCIENCE

Miss Williams Miss Chapman Mrs. Boggs

Objectives:

1. To provide basic library courses for classroom teachers, and the elementary and high school librarians.
2. To provide in-service training opportunities for teachers and librarians.
3. To provide a foundation for graduate study in the field of librarianship.

Requirements:

For a Minor: Sem. Hrs.

Library Science 227, 301G, 311G, 321G, 411G, and 475G* ---------- 18
One-half of these courses must be taken in residence.

*If the student chooses to count Library Science 475G as part of the Student Teaching Credit, she must take Library Science 382G in addition to the courses listed.

Certification requirements for the Elementary School Librarianship

An elementary teaching certificate based upon a baccalaureate or a master's degree will be valid for the elementary school librarianship, provided the following courses in library science have been completed:

	Sem. Hrs.
School library organization and administration	3
Books, references, and related materials for children and young people, which include the content of the course—Literature for Children	9
Cataloging and classification	3
School library practice	3

(The requirement in school library practice may be met by one-third of the student teaching having been devoted to school library practice or by three semester hours in school library practice being taken in addition to the full amount required in student teaching.)

Certification requirements for the High School Librarianship

A high school certificate based upon a baccalaureate or a master's degree will be valid for the high school librarianship, provided the following courses in library science have been completed:

	Sem. Hrs.
School library organization and administration	3
Books, references, and related materials for children and young people, which include the content of the course—Literature for Children	9
Cataloging and classification	3
School library practice	3

(The requirement in school library practice may be met by one-third of the student teaching having been devoted to school library practice or by three semester hours in school library practice being taken in addition to the full amount required in student teaching.)

Note: The certificate for the elementary school librarianship may be validated for the high school or twelve-grade librarianship upon completion of the course—Fundamentals of Secondary Education. The certificate for the high school librarianship may be validated for the elementary school or twelve-grade librarianship upon completion of the courses—Fundamentals of Elementary Education and Teaching of Reading.

Standard Certificate for Librarianship

A Standard Certificate for School Librarianship, valid for ten years for holding the position of librarian in any public school, may be issued to a person who has met the following requirements–

*A. Completion of requirements for a Provisional High School Certificate or a Provisional Elementary Certificate based upon a baccalaureate degree.

B. Completion of requirements for a master's degree.

C. Completion of

	Sem. Hrs.
1. School library organization and administration	3
2. Books, references, and related materials for children and young people, which include the content of the course–Children's Literature	9
3. Cataloging and classification	3
4. School Library practice (This requirement may be met by one-third of the student teaching having been devoted to school library practice or by three semester hours of school library practice being taken in addition to the full amount required in student teaching.)	3
5. Electives in library science in the field of school librarianship	9
Total in Library Science	(27)

D. Completion of

1. Teaching of Reading	3
2. Fundamentals of Elementary Education	3
3. Child Growth and Development	3
4. Fundamentals of Secondary Education	3

*When the Provisional Elementary Certificate is used as a basis, and when Fundamentals of Secondary Education has not been completed, the Standard Librarian Certificate shall be valid for elementary school librarianship only. When the Provisional High School Certificate is used as a basis, and the Teaching of Reading and the Fundamentals of Elementary Education have not been completed, the Standard Librarian Certificate shall be valid for secondary librarianship only.

DESCRIPTION OF COURSES

Library Science 227. Literature and Materials for Children. Three hours.

Formerly Education 227.

A study of poetry; folk and fairy stories; modern fiction about history, different countries, minority groups, and animals; biography and other non-fictional books. Criteria for judging each group and

methods for using each group in the school curriculum are considered. Units on story telling, free and inexpensive materials, and aids in the selection of books and nonbook materials are included.

Library Science 301G. Library Organization and Administration. Three hours.

An introductory course, giving a broad picture of the school library and its function in the total school program. It includes a unit in history of libraries, the philosophy of school librarianship, the study of housing and equipment, the acquisition and mechanical processing of library materials, circulation routines, public relations, use of student staff, knowledge of library standards, and related topics.

Library Science 311G. Cataloging and Classification. Three hours.

The Dewey Decimal Classification; principles and methods of simplified cataloging, including subject headings needed by school librarians. Skill in typing is strongly recommended.

Library Science 321G. Books and Materials for Young People. Three hours.

A study of the underlying principles of selecting books and related materials for young people. Included are—a study of reading interests, development of criteria for judging books and materials, understanding of book reviews and book talks, and an acquaintance with selection aids. Emphasis on reading novels, short stories, drama, biography, travel, and readable books in other nonfiction fields.

Library Science 382G. Audio-Visual Aids in Instruction. Three hours.

History and basic philosophy of multi-sensory instructional materials; role of the teacher in perceptual learning; nonprojected materials of learning; operation, maintenance and evaluation of audio-visual aids; sources and materials.

Library Science 411G. Reference and Bibliography. Three hours.

This is a study of general reference books and reference books in certain subject fields. Some practice in bibliography making is included.

Library Science 475G. School Library Practice. Three hours.

Prerequisites: All other library science courses except those taken at the same time as the practice work.

The practical application of all procedures which are used in a modern school library. Reading guidance, story telling, book talks and organization of unit materials are stressed.

Library Science 511. Subject Bibliography. Three hours.

Prerequisite: Library Science 411G, or equivalent, and graduate standing.

A comprehensive study of the reference materials in the humanities, the social studies, and the natural and applied sciences.

Library Science 570. Research Problems. Three hours.

Prerequisites: Library science courses leading to the provisional certificate and Education 500.

For experienced librarians concerned with improving library services in elementary, junior and senior high schools. Problems will be selected that will afford the opportunity for comprehensive investigation in one or more areas of library service.

Division of Science and Mathematics

Division of Science and Mathematics

Mr. Owsley, Chairman
Mrs. Cooper
Mr. Dunagan
Mr. Fair
Miss Heaslip
Mr. Jackson
Mr. Jenkins
Mr. Lake
Mr. Lester
Mr. Lynd
Mrs. Mayo
Mr. Overstreet
Mr. Philley
Mr. Phillips

Objectives:

The particular objectives of the Division of Science and Mathematics are:

1. To afford students an opportunity to gain an understanding of themselves and their environment and thus be able to take a fuller, more satisfying role in society.
2. To train students in their ability to reason inductively and deductively and to encourage original thought.
3. To prepare teachers of the biological and physical sciences and mathematics for the elementary and secondary school.
4. To provide a background in subject matter and laboratory skills for curricula in which the fundamentals of the various sciences and mathematics are used. This is achieved by providing the basic courses for students in home economics, medical technology, pre-nursing, pre-veterinarian, pre-dentistry, pre-medicine, pre-engineering, pre-forestry, and agriculture in which these backgrounds are needed.
5. To acquaint the non-professional student with the outstanding facts, theories, and principles of the sciences and mathematics, along with some application to industry and daily life.
6. To prepare students for graduate work, industrial positions, and for college teaching.

SCIENCE FOR GENERAL EDUCATION

(The first four courses listed in this division are recommended for non-science majors in meeting the minimum requirements for graduation.)

Science 101. Introduction to Biological Science. Three hours.

Protoplasm and cellular structure of plants and animals, morphology and physiology of higher plants and of vertebrate animals. Two lecture-discussion periods and two laboratory periods per week.

Science 102. Introduction to Biological Science. Three hours.
Prerequisite: Science 101.

Cell division, genetics, embryology, ecology, evolution, survey of the plant and animal kingdoms. Two lecture-discussion periods and two laboratory periods per week.

Science 103. Introduction to Physical Science. Three hours.
Simple machines, energy, force and motion, atomic and molecular structure, heat, light, sound, weather, electrostatics, current, radiation, transmutation, atomic energy. Three lecture-demonstration periods per week.

Science 104. Introduction to Physical Science. Three hours.
The fundamental chemical processes, water, ionization, nitrogen, the halogens, the sulfur family, the common metals, carbon and organic chemistry, basic geological processes, gradational agents, diastrophism, the earth's systems. Three lecture-demonstration periods per week.

Science 375G. Earth Science. Three hours.
The following topics from astronomy, meteorology, and geology will be included in this course: universe, constellations, sun, solar system, planets, earth, earth's atmosphere, condensation and precipitation processes, local and major wind systems, air masses and fronts, temperature and climate, earth's lithosphere, weathering, erosion, diastrophism, vulcanism. Three lecture-demonstration periods per week.

Science 380G. History and Philosophy of Science. Three hours.
Open only to junior, senior, and graduate students.

The foundations and developments of the natural and physical sciences and the attitudes that have been prevalent during the various eras and in different cultures from early times to the present. Three lecture-discussion periods per week.

Science 390G. Science for the Elementary Teacher. Three hours.
Prerequisite: Six hours of science credit. (Twelve hours for graduate credit.)

Elementary science experiences suitable for the enrichment of the elementary school program; emphasis on the discovery and use of apparatus and materials in the home-school-community environment.

BIOLOGY

Objectives:

1. To afford students an opportunity to gain a knowledge of the life sciences as a part of their general culture.
2. To prepare teachers of biology for the elementary and secondary schools.
3. To furnish a background for the study of certain professional fields such as agriculture, forestry, home economics, medicine, dentistry, nursing, medical technology, veterinary medicine, and advanced study in biology.

Requirements:

For an Area of Concentration in Science (Emphasis on Biology):

	Sem. Hrs.
Science 101	3
Biology 210, 215, 471, and nine hours elective in advanced biology	18
Chemistry 111, 112, and four hours of advanced chemistry	12
Physics 131, 132, and four hours elective in advanced physics	12
Geology 100	3
Minimum for an Area of Concentration	48

For a Major:

Science 101	3
Biology 206, 210, 215, 304, 317, 337 or 338, 413 or 480, and 471	24-25
Minimum for a Major	27-28

Students who are majoring in biology are also required to earn credits in the following science and mathematics courses:

Chemistry 111 and 112	8
Physics 131 and 132	8
Mathematics 151, 152, and 132 or 141	7

For a Minor:

Science 101	3
Biology 210 and 215	8
Elective in advanced biology approved by the department	7
Minimum for a Minor	18

SUGGESTED PROGRAMS

The following programs have been devised to help students in selecting their courses and making their schedules. These suggested schedules need not be followed specifically from semester to semester, but close adherence to them will aid in meeting all requirements.

Provisional High School Certificate with an Area in Science (Emphasis on Biology)

FRESHMAN YEAR

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
P.E.	Activity course	½	P.E.	Activity course	½
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
Sci.	101—Intro. to Biological Sci.	3	Math.	132—General Mathematics	
Hist.	131—History of Civilization	3	or		3
Math.	151—College Algebra	2	Math.	141—Plane Trigonometry	
Chem.	111—General Chemistry	4	Hist.	132—History of Civilization	3
			Math.	152—College Algebra	2
			Chem.	112—General Chemistry	4
		16½			16½

SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
P.E.	Activity course	½	P.E.	Activity course	½
Biol.	210—General Zoology		Biol.	215—General Botany	
or		4	or		4
Biol.	215—General Botany		Biol.	210—General Zoology	
Phys.	131—Elementary Physics	4	Phys.	132—Elementary Physics	4
Geol.	100—General Geology	3	Ed.	210—Human Growth & Develop. I	3
Hlth.	150—Personal Health	2	F.A.	160—Apprec. of the Fine Arts	
			or	Foreign Language	3
		16½			17½

JUNIOR YEAR

First Semester			Second Semester		
Biol.	Advanced elective	3	Ed.	300—Intro. to Student Teaching	0
Chem.	Elective	4	Biol.	Advanced elective	4
S.S.	300—Current Social Problems	3	Phys.	Elective	3
Psy.	153—General Psychology	3	Phil.	200—Intro. to Philosophy	
	Advanced elective	3	or	Foreign Language	3
				Elective	6
		16			16

SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	Ed.	477—Professional Semester	15
Biol.	471—Seminar	1			
	Advanced elective	11			
		15			15

Pre-Medical and Pre-Dental

FRESHMAN YEAR

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
P.E.	Activity course	½	P.E.	Activity course	½
	Freshman Orientation	1	Hist.	132—History of Civilization	3
Hist.	131—History of Civilization	3	Math.	152—College Algebra	2
Math.	151—College Algebra	2	Math.	132—General Mathematics	
Chem.	111—General Chemistry	4	or		3
Hlth.	150—Personal Health	2	Math.	141—Plane Trigonometry	
			Chem.	112—General Chemistry	4
			Biol.	206—Biological Etymology	1
		15½			16½

SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
P.E.	Activity course	½	P.E.	Activity course	½
Sci.	101—Intro. to Biological Sci.	3	Biol.	210—General Zoology	4
Soc.	201—General Sociology	3	Psy.	153—General Psychology	3
Phsy.	131—Elementary Physics	4	Phys.	132—Elementary Physics	4
	Foreign Language	3		Foreign Language	3
		16½			17½

JUNIOR YEAR

First Semester			Second Semester		
Biol.	337—Comparative Anatomy	4	Biol.	338—Vertebrate Embryology	4
Chem.	222—Qualitative Analysis	4	Chem.	223—Quantitative Analysis	4
Ec.	201—Principles of Economics	3	Hist.	400—American Foundations	3
	Foreign Language	3		Foreign Language	3
S.S.	300—Current World Problems	3		Elective	2
		17			16

The above program includes the requirements for graduation so that if a student follows this program and enters medical college at the end of his junior year he may, after successfully completing his first year at medical college, transfer his credits to Morehead and receive the bachelor's degree.

The requirements for entrance to most medical and dental schools are highly similar, varying in minor details, but most schools give preference to applicants who have taken a broad program and completed four years of work.

The program of studies for the fourth year should be determined by the special needs of the student and requirements of the particular medical or dental school he expects to enter.

Medical Technology

FRESHMAN YEAR

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
P.E.	Activity course	½	P.E.	Activity course	½
	Freshman Orientation	1	Biol.	210—General Zoology	4
Sci.	101—Intro. to Biological Sci.	3	Chem.	112—General Chemistry	4
Chem.	111—General Chemistry	4	Math.	152—College Algebra	2
Math.	151—College Algebra	2	Math.	132—General Mathematics	3
Hlth.	150—Personal Health	2			
		15½			16½

SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
P.E.	Activity course	½	P.E.	Activity course	½
Phys.	131—Elementary Physics	4	Phys.	132—Elementary Physics	4
	Social Science elective	3		Social Science elective	3
Biol.	336—Human Anatomy	3	Chem.	223—Quantitative Analysis	4
Psy.	153—General Psychology	3	F.A.	160—Apprec. of the Fine Arts	3
		16½			17½

JUNIOR YEAR

First Semester			Second Semester		
Chem.	331—Organic Chemistry	5	Chem.	332—Organic Chemistry	5
Biol.	317—Bacteriology	4	Biol.	338—Vertebrate Embryology	4
S.S.	300—Current World Problems	3	Biol.	332—Human Physiology	3
Phil.	200—Intro. to Philosophy	3	Hist.	400—American Foundations	3
		15			15

SENIOR YEAR

Those courses to be taken in the senior year are those necessary to complete the requirements for a recognized diploma in Medical Technology. After the completion of these courses in an accredited program, Morehead will grant the Bachelor of Science degree with an Area in Medical Technology.

Students completing the three-year program at Morehead are eligible to transfer, for the fourth year, to the medical technology program conducted by the Miners Memorial Hospital Association.

Program For Nurses

Morehead State College is affiliated with the School of Professional Nursing of the Miners Memorial Hospital Association located at Harlan, Kentucky. The facilities of the College are utilized for the pre-clinical phase of the program. Students selected for the program do one year of work at Morehead as follows:

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
P.E.	Activity course	½	P.E.	Activity course	½
	Freshman Orientation	1	Soc.	201—General Sociology	3
Sci.	101—Intro. to Biological Sci.	3	Biol.	217—Microbiology	3
Psy.	153—General Psychology	3	Biol.	232—Anatomy and Physiology	4
Chem.	111—General Chemistry	4	Chem.	112—General Chemistry	4
H.Ec.	135—Nutrition for Nurses	3			
		17½			17½

Individuals interested in applying for admission to this program should write—Director, School of Professional Nursing, Harlan Memorial Hospital, Harlan, Kentucky.

Pre-Pharmacy

FRESHMAN YEAR

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
P.E.	Activity course	½	P.E.	Activity course	½
	Freshman Orientation	1	Biol.	210—General Zoology	4
Sci.	101—Intro. to Biological Sci.	3	Math.	152—College Algebra	2
Math.	151—College Algebra	2	Math.	141—Plane Trigonometry	3
Chem.	111—General Chemistry	4	Chem.	112—General Chemistry	4
Hlth.	150—Personal Health	2			
		15½			16½

SOPHOMORE YEAR

First Semester			Second Semester		
Phys.	131—Elementary Physics	4	Phys.	132—Elementary Physics	4
Chem.	222—Qualitative Analysis	4		Social Science elective	3
Biol.	215—General Botany	4		Elective	9
	Social Science elective	3			
		15			16

Those who plan to take a degree in pharmacy should consult the catalog of the school of pharmacy which they intend to attend after having completed this pre-pharmacy program to be sure that they fulfill all the requirements of the chosen pharmacy school.

DESCRIPTION OF COURSES

Biology 206. Biological Etymology. One hour.

Derivation of biological terms, particularly from Greek and Latin. Especially recommended for biology major and pre-medical and pre-dental students. One lecture-discussion period per week.

Biology 210. General Zoology. Four hours.

Prerequisite: Science 101.

Introduction to classes and phyla of vertebrate and invertebrate animals; structure, function, development and life history, adaptations, and heredity of animal types. Two lecture-discussion and two two-hour laboratory periods per week.

Biology 215. General Botany. Four hours.

Prerequisite: Science 101.

Structure and psysiology of the vegetative and reproductive plant organs, introduction to plant genetics and survey of the plant kingdom in terms of structure, ecology and evolution. Two lecture-discussion and two two-hour laboratory periods per week.

Biology 217. Microbiology. Three hours.

The cultivation, observation, classification, morphology and physiology of microorganisms; emphasis upon their relation to food and water sanitation and to disease. One hour lecture-discussion and four hours of laboratory per week.

Biology 232. Anatomy and Physiology. Four hours.

Prerequisite: Science 101.

The anatomy and physiology of the major systems of the human body. Three lecture-discussion periods and two laboratory hours per week.

Biology 304. Genetics. Three hours.

Prerequisite: Biology 210 or 215.

Elementary Mendelism, cytological basis of Mendelism, sex-related inheritance, lethal genes, multiple alleles, collaboration of genes, quantitative inheritance, mutation theory of the gene, cytoplasmic inheritance, evolution. Two lecture-discussion and two laboratory hours per week.

Biology 313. Economic Botany. Three hours.

Prerequisite: Biology 215.

Wood products, plant fibers, latex products, pectins, gums, resins, tannins, dyes, essential oils, medicinals, insecticides, tobacco, oils, fats, waxes, food and beverage plants. Three lecture-discussion-demonstration hours per week.

Biology 316. Dendrology. Three hours.

Types and arrangement of flowers, buds, leaves, and leaf scars; classification of trees and shrubs; structure of wood and its economic importance, forest ecology. One lecture-discussion and four laboratory hours per week.

Biology 317. Bacteriology. Four hours.

Methods of identification and classification of bacteria; morphology, distribution of microorganisms; cultivation, observation, methods of examination, and physiology of microorganisms; fermentation and decay; health. Two lecture-discussion and four laboratory hours per week.

Biology 318. Local Flora. Three hours.

Types of flowers; structure and arrangement of flower parts; construction of keys; laws of nomenclature, classes, orders, and families of flowering plants. One lecture-discussion and four laboratory hours per week.

Biology 332. Human Physiology. Three hours.

Prerequisite: Biology 336.

Protoplasmic organization; circulation and function of blood; respiration, excretion; digestion; metabolism and nutrition; endocrine system; nervous system; special senses; reproduction. Two lecture-discussion periods and two laboratory hours per week.

Biology 333. Ornithology. Three hours.

Classification and identification of birds; life histories; feeding habits; nesting habits; theories of migration; economic importance. One lecture-discussion and four laboratory hours per week.

Biology 334G. Entomology. Three hours.

Prerequisite: Biology 210.

General structure of insects, life histories, common orders, and families, insects in relation to man. Two lecture-discussion and two laboratory hours per week.

Biology 336. Human Anatomy. Three hours.

Prerequisite: Science 101.

Study of the organs and systems of the human body. Three lecture-discussion hours per week.

Biology 337. Comparative Anatomy. Four hours.

Prerequisite: Biology 210.

Comparative studies of the various organs and systems of vertebrate animals with particular laboratory emphasis on the dogfish shark, necturus and cat. Two lecture-discussion and four laboratory hours per week.

Biology 338. Vertebrate Embryology. Four hours.

Prerequisite: Biology 210.

Gamete formation, fertilization, cleavage, gastrulation, development of the vertebrate systems, formation of the extra-embryonic membranes, experimental embryology. Two lecture-discussion and four laboratory hours per week.

Biology 413G. Plant Physiology. Three hours.

Prerequisite: Biology 215 and Chemistry 111-112.

Topics: Osmosis, plasmolysis, photosynthesis, respiration, transpiration, fertilizers, soil elements and their uses, atmospheric elements and their functions, dormancy. One lecture-discussion and four laboratory hours per week.

Biology 420. Histology. Four hours.

Prerequisite: Biology 210.

Characteristics of tissues and organs of vertebrates. Two lecture-discussion and four laboratory hours per week.

Biology 433G. Field Vertebrate Zoology. Three hours.

Prerequisite: Biology 210.

Methods of classifying animals, laws of nomenclature, use of keys in identification, habitats, and economic importance of the vertebrates of eastern Kentucky. One lecture-discussion and four laboratory hours per week.

Biology 461G. Ecology. Four hours.

Prerequisites: Biology 210 and 215.

Effects of the chemical, physical and biotic factors of the environment on living organisms; plant and animal populations; competi-

tion and interdependence of biotic forms. Two lecture-discussion and four laboratory hours per week. Numerous field trips are required.

Biology 471. Seminar. One hour per semester.

Prerequisites: Eighteen hours in biology and at least a junior standing. Selected topics of current importance in biological research. One lecture-discussion period per week.

Biology 474G. Biological Techniques. Two hours.

Prerequisites: Science 101, Biology 210 and 215.

Collecting, preserving, and caring for biological materials; rearing and culturing a variety of animals and plants used under laboratory and experimental conditions; materials and apparatus needed and the construction and maintenance of equipment in the biology laboratory; basic principles and designs used in the experimental approach to the study of biology. One lecture-discussion and two laboratory hours per week.

Biology 476. Special Problems. One to three hours.

Prerequisites: At least twenty hours in biology.

Designed to give the student an opportunity to do advanced work as a continuation of an earlier course and to introduce the student to individual research. The topic will be selected at the time of registration. The time will vary with the problem.

Biology 480G. General Physiology. Four hours.

Prerequisite: Either Biology 210 or Biology 215, and Chemistry 111-112.

Subjects included in this course are: enzymes, carbohydrate metabolism, protein metabolism, fat metabolism, secretion and excretion, movement, aging and death, and special problems in physiology. Two lecture-discussion and four laboratory hours per week.

Biology 501. Biological Concepts. Three hours.

Selected concepts from various biological sciences will be discussed with the particular aim of introducing modern thinking on older concepts and the presentation of concepts that have arisen through recent experimentation and discovery. Three lecture-discussion periods per week.

Biology 504. Modern Theories of Evolution. Three hours.

Prerequisite: A course in general genetics.

A consideration of the history of evolutionary thought; classical evidences of evolution; factors involved in speciation and the origin of higher groups. Course work will consist of lectures and discussion.

Biology 505. Biology of the Invertebrates. Three hours.

Most of all the invertebrate phyla will be studied as to their evolution, taxonomy, morphology, physiology, and ecology. Emphasis will be placed upon the local representatives exclusive of the insects. One lecture-discussion and four laboratory periods per week.

Biology 570. Research Problems in Biology. One to three hours.

Prerequisite: Open only to qualified graduate students.

The student is required to carry on individual research in biology. The problem to be investigated will be selected after enrollment.

CHEMISTRY

Objectives:

1. To contribute to the general cultural background of students.
2. To prepare teachers of chemistry.
3. To provide the basic courses for students in agriculture, home economics and other fields in which the fundamentals of chemistry are needed.
4. To meet the needs of students desiring to enter such professional fields as medicine, dentistry, engineering, and chemistry.

Requirements:

	Sem. Hrs.
For an Area of Concentration in Science (Emphasis on Chemistry):	
Science 101	3
Chemistry 111, 112, and eleven additional hours in chemistry	19
Biology 210, 215, and three hours elective in advanced biology	11
Physics 131, 132, and four hours in advanced physics	12
Geology 100	3
Minimum for an Area of Concentration	48

For a Major:

A. For students who wish to qualify as teachers of chemistry in the secondary school but who do not expect to do graduate work in the field:

Chemistry 111, 112, 222, 223, 331, 332, and 471 27

Students who are majoring in chemistry are required to earn the following credits in physics and mathematics:

Mathematics 141, 151, and 152 7

Physics 131 and 132 8

Those planning to do graduate work in chemistry should take additional courses in physics and mathematics.

B. For students who expect to do graduate work in chemistry or to qualify as professional chemists:

Chemistry 111, 112, 113, 114, 222, 223, 331, 332, 441, 442, and 471 38

For a Minor:

Chemistry 111, 112, and ten hours in advanced chemistry 18

SUGGESTED PROGRAMS

The following program has been devised to help students in selecting their courses and making their schedules. This suggested schedule need not be followed specifically from semester to semester, but close adherence to it will aid in meeting the requirements for graduation.

Provisional High School Certificate with an Area in Science (Emphasis on Chemistry)

FRESHMAN YEAR

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
P.E.	Activity course	½	P.E.	Activity course	½
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
Math.	151—College Algebra	2	Math.	152—College Algebra	2
Chem.	111—General Chemistry	4	Chem.	112—General Chemistry	4
Hist.	131—History of Civilization	3	Hist.	132—History of Civilization	3
Hlth.	150—Personal Health	2	Math.	141—Plane Trigonometry	3
		15½			16½

SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
P.E.	Activity course	½	P.E.	Activity course	½
Ed.	210—Human Growth & Develop. I	3	Math.	271—Analytic Geometry	3
Phys.	131—Elementary Physics	4	Phys.	132—Elementary Physics	4
Sci.	101—Intro. to Biological Sci.	3	Biol.	215—General Botany	4
Geol.	100—General Geology	3	Psy.	153—General Psychology	3
		16½			17½

JUNIOR YEAR

First Semester			Second Semester		
Biol.	210—General Zoology	4	Ed.	300—Intro. to Student Teaching	0
Chem.	331—Organic Chemistry	5	Chem.	332—Organic Chemistry	5
Math.	361—Differential Calculus	4		Advanced Biology	3
F.A.	160—Apprec. of the Fine Arts		S.S.	300—Current World Problems	3
or	Foreign Language	3	Phil.	200—Intro. to Philosophy	
			or	Foreign Language	3
				Elective in Physics	3
		16			17

SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	Ed.	477—Professional Semester	15
	Elective in Physics	2			
	Advanced elective	10			
		15			15

DESCRIPTION OF COURSES

Chemistry 111. General Chemistry. Four hours.

The relation of chemistry to physics and derived sciences, atomic theory, non-metals, oxygen, hydrogen, etc., periodic arrangements of elements, introduction to atomic chemistry. Two lecture-discussion and four laboratory hours per week.

Chemistry 112. General Chemistry. Four hours.

Prerequisite: Chemistry 111, and Mathematics 141, desired.

Continuation of the study of non-metals, introduction of various fields of chemistry, colloids, organic, electrochemistry, metallurgy, etc., introduction to the mathematics of chemical equilibrium and ionization. The laboratory work will include an introduction to qualitative chemistry. Two lecture-discussion and four laboratory hours per week.

Chemistry 222. Qualitative Analysis. Four hours.

Prerequisites: Chemistry 112, Mathematics 151, and ability to use a slide rule.

Principles and practices of anion and cation analysis. One lecture-discussion and six laboratory hours per week.

Chemistry 223. Quantitative Analysis. Four hours.

Prerequisite: Chemistry 222 or permission of the instructor.

Principles and practices of volumetric analysis including electrometric titrations. One lecture-discussion and six laboratory hours per week.

Chemistry 225. Organic Chemistry. Four hours. (Credit for this course will not be accepted on a major in chemistry.)

Prerequisite: Chemistry 112.

A brief course in organic chemistry to meet the requirements of students in agriculture, home economics, veterinary medicine, predentistry, and pre-medicine, giving these students a working command of the language of organic chemistry, hydrocarbons, alcohols, ethers, carbohydrates, amines, drugs, etc. Two lecture-discussion and four laboratory hours per week.

Chemistry 331. Organic Chemistry, Five hours. (For chemistry majors and pre-medical students with a chemistry major.)

Prerequisites: Chemistry 222 and 223.

Aliphatic compounds, alcohols, ethers, aldehydes, ketones, chain hydrocarbons, carbohydrates, fats, proteins. Three lecture-discussion and four laboratory hours per week.

Chemistry 332. Organic Chemistry. Five hours.

Prerequisite: Chemistry 331.

Aromatic compounds, napthenes, vitamins, dyes, biochemistry. Three lecture-discussion and four laboratory hours per week.

Chemistry 441G. Physical Chemistry. Four hours.

Prerequisites: Chemistry 223, 332, Mathematics 141, 152, and credit or registration for 361; Physics 132.

Laws governing gases, liquids and solids, relation between physical properties and molecular constitution, laws of thermo-dynamics, properties of solutions, colloids, thermo-chemistry, and equilibrium and its varieties. Two lecture-discussion and four laboratory hours per week.

Chemistry 442G. Physical Chemistry. Four hours.

Prerequisites: Chemistry 441, credit or registration for Mathematics 362.

Chemical kinetics, electrical studies, quantum theory and photo-

chemistry, nuclear chemistry. Two lecture-discussion and four laboratory hours per week.

Chemistry 451G. Physiological Chemistry. Three hours.
Prerequisite: Chemistry 332.

Qualitative and quantitative analysis of food, production of digestion enzymes, blood and urine constituents. Two lecture-discussion and two laboratory periods per week.

Chemistry 471. Seminar. One hour each semester.

This seminar is designed to give the student an opportunity to become familiar with the literature in chemistry, to work with indices and bibliographies in special fields, to give the student an introduction to research, and to bring together certain phases of chemistry. This course is required of all chemistry majors and minors during their senior year. One hour per week.

Chemistry 476. Special Problems. One to three hours.
Prerequisite: At least twenty hours in chemistry.

To give the student an opportunity to do advanced work as a continuation of an earlier course and to introduce the student to individual research. The topic will be selected at the time of registration. The time will vary with the problem.

Chemistry 576. Special Problems. One to three hours.

Open to graduate students who have twenty-eight hours of credit in chemistry. The problem and credit hours will be agreed upon at the time of registration.

GEOLOGY

Geology 100. Physical Geology. Three hours.

A study of the natural forces acting upon and within the earth's crust: weathering, erosion, vulcanism, and diastrophism. The laboratory work includes a study of the common minerals and rocks and an elementary study of topographic maps. Two lecture-discussion periods and one two-hour laboratory per week.

Geology 101. Historical Geology. Three hours.

A study of geologic history from the beginning of the rock record to the present. The laboratory work includes a study of the common index fossils and an interpretation of geologic history from geologic maps and structure sections. Two lecture-discussion periods and one two-hour laboratory per week.

MATHEMATICS

Objectives:

1. To meet the needs of students who expect to enter the fields of engineering, physics, chemistry and other professions which require the constant use of the various branches of mathematics.
2. To prepare competent teachers of mathematics for the secondary school.
3. To contribute to the general cultural background of students.

Requirements:

For a Major:	Sem. Hrs.
Mathematics 141, 151, 152, 271, 361, and 362	18
Elective in mathematics courses above 300 as approved by the department	9
Total for a major	27

Note: Students who expect to do graduate work in mathematics should take at least 12 hours in the 300 and 400 courses.

For a Minor:	
Mathematics 141, 151, 152, 271, and 361	14
Other courses in mathematics prescribed by the department	6
Total for a minor	20

DESCRIPTION OF COURSES

Mathematics 101. (Also Commerce 101). Business Arithmetic. Three hours.

(Credit in this course will not be accepted on the mathematics requirements for a degree or for a major or minor in mathematics.)

Fundamental processes; common fractions; decimal fractions; pay rolls; aliquot parts; percentage; interest; trade and cash discounts; profit and loss; market price; commission and brokerage; partial payments; installment buying; graphs; depreciation; insurance; stocks and bonds; taxes.

Mathematics 102. Solid Geometry. Three hours.

(Credit in this course will not be accepted on the requirements for a major or minor in mathematics.)

The fundamental propositions, problems and exercises of solid geometry. This course is designed for pre-engineering students and those who plan to teach mathematics who have not had solid geometry in high school.

Mathematics 111. Slide Rule. One hour.

(Credit in this course will not be accepted on the mathematics requirements for a degree or for a major or minor in mathematics.)

Prerequisite: Permission of the instructor.

Multiplication; division; powers and roots; trigonometric functions; ratio and proportion; solution of triangles; applications to physics and chemistry.

Mathematics 131. General Mathematics. Three hours.

(Credit in this course will not be accepted on major or minor requirements in mathematics.)

History of mathematics; role of mathematics; important mathematical concepts; number scales; elementary logic; common and decimal fractions; percentage; life insurance; interest; bonds; ratio and proportion.

Mathematics 132. General Mathematics. Three hours.

(Credit in this course will not be accepted on major or minor requirements in mathematics.)

Factoring; special products; graphs; linear and quadratic equations; logarithms; trigonometric functions; right and oblique triangles; introduction to calculus, probability and statistics.

Mathematics 141. Plane Trigonometry. Three hours.

Prerequisites: One unit each of high school algebra and plane geometry. This course may be taken before, after, or simultaneously with College Algebra.

Trigonometric functions; right triangles; law of sines; law of cosines; trigonometric equations and identities; radian measure; inverse functions; logarithms; and oblique triangles.

Mathematics 142. Spherical Trigonometry. Two hours.

Prerequisite: Mathematics 141.

Napier's rules; laws of quadrants for right spherical triangles; polar triangles; quadrantal triangles; oblique spherical triangles; applications to problems in navigation; and spherical coordinates.

Mathematics 151. College Algebra. Two hours.

Prerequisites: One unit each of high school algebra and plane geometry.

This course may be taken before, after, or simultaneously with Plane Trigonometry.

Factoring; exponents; roots; fractions; binomial theorem; functional notations; graphs; linear equations; fractional equations; systems of linear equations; ratio and proportion; and logarithms.

Mathematics 152. College Algebra. Two hours.

Prerequisite: Mathematics 151 or permission of the instructor.

Quadratic equations; simultaneous quadratic equations; complex numbers; inequalities; progressions; permutations and combinations; probabilities; partial fractions; introduction to determinants and theory of equations.

Mathematics 231. Introduction to Analysis I. Five hours.

(Mathematics 231 and 232 may be substituted for Mathematics 141, 151, 152, and 271 by qualified students.)

Prerequisite: Mathematics through trigonometry in high school; place in the upper quartile on Placement Test.

Numbers for elementary analysis, the set of real numbers; relations as sets of ordered pairs; introduction to functions; powers and roots of real numbers; conditions in one unknown.

Mathematics 232. Introduction to Analysis II. Five hours.

Prerequisite: Introduction to Analysis I.

Conditions in several unknowns; exponential and logarithmic functions; trigonometry; coordinate geometry; mathematical structures.

Mathematics 252. Mathematics of Finance. Three hours.

Prerequisite: Mathematics 151 and 152.

Interest; annuities; amortizations; sinking funds; bonds; depreciation; building and loan; life insurance; related topics.

Mathematics 271. Analytic Geometry. Three hours.

Prerequisites: Mathematics 141 and 152.

Cartesian coordinates; equations of curves; derivative of a function; differentiation of algebraic functions; the circle, parabola, ellipse and hyperbola; polar coordinates; parametric equations; solid analytic geometry.

Mathematics 341G. Theory of Equations. Three hours.

Prerequisite: Mathematics 271.

Simultaneous linear equations; bionmial equations; properties of polynomials; theorems on roots; transformations; solutions of cubic and quartic equations; bounds for roots; separation of roots; solutions of numerical equations; determinants.

Mathematics 353G. Statistics. Three hours.

Prerequisite: Permission of the instructor.

Tabulation and graphical presentation of statistical data; interpretations of statistical results; averages; dispersions; index numbers; simple correlations.

Mathematics 361. Differential Calculus. Four hours.

Prerequisite: Mathematics 271.

Rates and differentials; indefinite integrals; definite integrals; applications of the fundamental theorem; extreme values; curve-tracing; exponential, logarithmic and trigonometric functions; indeterminate forms.

Mathematics 362. Integral Calculus. Four hours.

Integration-standard forms, curvature; series double integrals; triple integrals; differential equations.

Mathematics 371G. History and Teaching of Mathematics. Three hours.

Fundamental operations and principles of general mathematics will be surveyed and their historical background considered. Emphasis will be upon those basic principles which should be helpful to the teachers of chemistry, physics, and biology. Three lecture-discussion periods per week.

Mathematics 372G. College Geometry. Three hours.

Prerequisite: Mathematics 271.

Geometric loci, similar and homothetic figures, Ceva's theorem, Manelaus' theorem, coxal circles, inversion, poles and polars, cross ration, involution.

Mathematics 380G. Solid Analytic Geometry. Three hours.

Prerequisite: Mathematics 271.

Coordinates and cosines; planes and lines; determinants and ma-

trices; surfaces; general equation of the second degree coordinate and point transformations; matrix algebra.

Mathematics 420G. Mathematical Statistics. Three hours.
Prerequisite: Mathematics 362.

Nature of statistical methods; empirical frequency distributions; theoretical frequency distributions; elementary sampling theory; correlation and regression; testing goodness of fit; general principles for testing hypotheses; statistical design in experiments.

Mathematics 462G. Differential Equations. Three hours.
Prerequisite: Mathematics 362.

Methods for the solution of differential equations of first order; applications to physical problems; singular solutions; linear equations; integration in series, and total differential equations.

Mathematics 471G. Synthetic Projective Geometry. Three hours.
Prerequisite: Mathematics 271.

Primitive forms; principle of duality; perspectivity; harmonic ranges and pencils; projectively related primitive forms; Paschal's theorem; Brianchon's theorem; poles; diameters; ruled surfaces; involution.

Mathematics 476G. Special Problems. One to three hours.
Prerequisite: At least twenty hours in mathematics.

To give the student an opportunity to do advanced work as a continuation of an earlier course and to introduce the student to individual research. The topic will be selected at the time of registration. The time will vary with the problem.

Mathematics 480G. Linear Algebra. Three hours.
Prerequisites: Mathematics 151 and 152, and Mathematics 141.

Systems of linear equation; vector spaces; basic operations for martices; determinant; bilinear and quadratic functions; linear transformations on a vector space.

Mathematics 483G. (also Physics 483G.) Theoretical Mechanics. Three hours.
Prerequisites: Physics 131 and a working knowledge of the calculus, or Physics 231.

The easier problems of statics and dynamics—vectors, equilibrium, frames of reference, virtual work, inertia, friction and elasticity.

Mathematics 484G. (also Physics 484G.) Theoretical Mechanics. Three hours.

A continuation of Mathematics 483G dealing with the more difficult problems of statics and dynamics and introducing such general procedures as generalized coordinates and Lagrange's equations.

Mathematics 485G. Vector Analysis. Three hours.

Prerequisite: Mathematics 362.

Addition, subtraction and multiplication of vectors; differentiation and integration of vectors; kinematics and dynamics of a particle; kinematics and dynamics of a rigid body.

Mathematics 490G. Theory of Numbers. Three hours.

Divisibility; continued fractions; congruences; quadratic residues; diophantine equations.

Mathematics 505. Advanced Topics in Mathematics. Three hours.

Prerequisite: Twelve hours undergraduate credit in Mathematics.

Ordinary differential equations; infinite series; functions of several variables; algebra and geometry of vectors; vector field theory; partial differential equations; complex values; numerical analysis.

Mathematics 551. Introduction to Modern Abstract Algebra. Three hours.

Prerequisite: Twelve hours undergraduate credit in Mathematics.

Equivalence relations; congruonces; Boolean algebra; matrices; determinants; integral domains; groups; fields; rings; ideals.

Mathematics 570. Research Problems in Mathematics. One to three hours.

Prerequisite: Open only to qualified graduate students.

The student is required to carry on individual research in mathematics. The problem to be investigated will be selected after enrollment.

PHYSICS

Requirements:

For an area of concentration in Science (Emphasis on Physics):

	Sem. Hrs.
Physics 231, 232, and nine hours elective in advanced physics	19
Science 101	3
Biology 210, 215, and elective in advanced biology	11
Chemistry 111, 112, and 222	12
Geology 100	3
Total for an area of concentration	48

For a Major:

Physics 231, 232, 331, 332, and 483	19
Elective in physics as approved by the department	6
Total for a major	25

Students who are majoring in physics are also required to earn credit in Mathematics 462 and 485 and Chemistry 111 and 112.

For a Minor:

Physics 231 and 232	10
Elective in physics as approved by the department	8
Total for a minor	18

Students who are minoring in physics are also required to earn credit in:

Mathematics 141, 151, 152, 271, and 361	14

SUGGESTED PROGRAMS

The following programs have been devised to help students in selecting their courses and making their schedules. These suggested schedules need not be followed specifically from semester to semester, but close adherence to them will aid in meeting the requirements for graduation.

Provisional High School Certificate with an Area in Science (Emphasis on Physics)

FRESHMAN YEAR

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
P.E.	Activity course	½	P.E.	Activity course	½
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
Math.	151—College Algebra	2	Math.	152—College Algebra	2
Math.	141—Plane Trigonometry	3	Math.	271—Analytic Geometry	3
Hist.	131—History of Civiliaztion	3	Hist.	132—History of Civilization	3
Chem.	111—General Chemistry	4	Chem.	112—General Chemistry	4
		16½			16½

SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
P.E.	Activity course	½	P.E.	Activity course	½
Math.	361—Differential Calculus	4	Ed.	210—Human Growth & Develop. I	3
Phys.	231—General College Physics	5	Phys.	232—General College Physics	5
Geol.	100—General Geology	3	Sci.	101—Intro. to Biological Sci.	3
Hlth.	150—Personal Health	2	F.A. or	160—Apprec. of the Fine Arts Foreign Language	3
		17½			17½

JUNIOR YEAR

First Semester			Second Semester		
Phys.	Advanced elective	3	Ed.	300—Intro. to Student Teaching	0
Biol.	210—General Zoology	4	Phys.	Advanced elective	3
Psy.	153—General Psychology	3	Biol.	215—General Botany	4
S.S.	300—Current World Problems	3	Chem.	223—Quantitative Analysis	4
	Elective	2	Phil. or	200—Intro. to Philosophy Foreign Language	3
				Elective	2
		15			16

SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	Ed.	477—Professional Semester	15
Biol.	Elective	3			
Phys.	Advanced elective	3			
	Advanced elective	6			
		15			15

SUGGESTED TWO-YEAR PRE-ENGINEERING PROGRAM

FRESHMAN YEAR

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
P.E.	Activity Course	½	P.E.	Activity Course	½
	Freshman Orientation	1	Math.	152—College Algebra	2
Math.	151—College Algebra	2	Math.	271—Analytic Geometry	3
Math.	141—Plane Trigonometry	3	Chem.	112—General Chemistry	4
Chem.	111—General Chemistry	4	IA	203—Adv. Mechanical Drawing	3
IA	103—Elem. Mechanical Drawing	3			
		16½			15½

SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
P.E.	Activity Course	½	P.E.	Activity Course	½
Math.	361—Differential Calculus	4	Math.	362—Integral Calculus	4
Phys.	231—General College Physics	5	Phys.	232—General College Physics	5
Spch.	280—Basic Speech	3	Psy.	153—General Psychology	3
			Math.	111—Slide Rule	1
		15½			16½

DESCRIPTION OF COURSES

Physics 131. Elementary Physics. Four hours.

Prerequisites: High school algebra and plane geometery. Trigonometry credit or registration in Mathematics 141 is advised.

Mechanics and heat. Three hours per week devoted to classroom discussion of reading and problem assignments, and two hours per week devoted to laboratory measurements.

Physics 132. Elementary Physics. Four hours.

Continuation of Elementary Physics. Electricity and magnetism, sound and light.

Physics 231. General College Physics. Five hours.

Prerequisites: Mathematics 141, 151, 152, 271 and a working knowledge of differential and integral calculus or registration in Mathematics 361.

Mechanics and heat. Three hours per week devoted to classroom discussion of the reading and problem assignments, two hours per week devoted to problem working, two hours per week devoted to laboratory measurements.

Physics 232. General College Physics. Five hours.

Continuation of General Physics. Electrostatics, electrodynamics, acoustics, optics, electromagnetic radiations.

Physics 235. Analytical Mechanics. Four hours.

Prerequisites: Physics 131-132, or Physics 231-232.

Problems of equilibrium (statics), particle motion, rotary motion and vibratory motion as these motions involve forces (kinematics) and as they involve energies (dynamics). Two lecture-recitation periods and one two-hour problem working session per week.

Physics 311. Heat and Thermodynamics. Three hours.

Prerequisites: Physics 131 and a working knowledge of calculus, or Physics 231.

Two hours per week devoted to lecture and classroom discussion, and two hours per week devoted to measurement and problem working.

Fundamental principles of heat phenomena, laws of thermodynamics, equations of state for gases, changes of state, thermodynamic relations, and their applications.

Physics 312. Light and Physical Optics. Three hours.

Prerequisites: Physics 132 and a working knowledge of calculus, or Physics 232.

Two hours per week devoted to lectures and classroom discussion and two hours per week devoted to measurement and problem working.

Basic phenomena of geometrical and physical optics, including the study of wave motion, interference, refraction, diffraction, polarization and the theory of physical optics.

Physics 321. Sound and Acoustics. Two hours.

Prerequisites: Physics 132 or Physics 232.

A study of the basic theories in the field of sound and acoustics with special application to the theory of musical sounds.

Physics 331. Nuclear Physics. Three hours.

Prerequisites: Physics 131, Physics 132 and a working knowledge of calculus, or Physics 231 and Physics 232.

Atomic structure, Roentgen rays, radioactivity, isotopes and nuclear structure, nuclear radiations, nuclear reactions, nuclear fission, chain reaction, radioactive tracers, health physics.

Physics 332. Electricity and Magnetism. Three hours.

Prerequisites: Physics 132 and a working knowledge of calculus, or Physics 232.

Two hours per week devoted to lecture and classroom discussion and two hours per week devoted to measurement and problem working.

Electrostatics, magnetic and electrostatic fields, capacitance, dielectics, electric machinery and meters, networks and transformers.

Physics 341G. Introduction to Atomic Physics. Three hours.

Prerequisites: Physics 131 and 132, and a working knowledge of calculus, or Physics 231 and 232.

Two hours per week devoted to lecture and classroom discussion and two hours per week devoted to measurement and problem working.

Elementary charged particles, electromagnetic radiations, waves and particles, atomic spectra and electron distribution.

Physics 361G. Fundamentals of Electronics. Three hours.
Prerequisites: Physics 132 and a working knowledge of calculus, or Physics 232.

A study of the characteristics of vacuum tubes, rectifiers, amplifiers, oscillators, and gas filled tubes. Lectures, experiments, measurements, problems.

Physics 401G. Physical Manipulations. Two hours.
The course will emphasize the construction and manipulation of special pieces of apparatus which should arouse interest of pupils in general science, physics, and chemistry courses in high school. Simple instruments used in atomic and nuclear physics observations will be discussed and available for use of participants. Four hours of laboratory and demonstration per week.

Physics 471. Seminar in Physics. One hour.
Required of all physics majors.

Physics 476G. Special Problems in Physics. One to three hours.
Prerequisites: Permission from the head of the department.

The object is to provide opportunity for continued study for a single student or a group of students who have developed a special interest during previous work in the field of physics. Work may be in the nature of reading and reports, the working of problems in mathematical physics, laboratory measurements, construction of apparatus.

Physics 483G. (Also Mathematics 483G). Theoretical Mechanics. Three hours.
Prerequisites: Physics 131 and a working knowledge of calculus, or Physics 231.

The easier problems of statics and dynamics; vectors, equilibrium, frames of reference, virtual work, inertia, friction, elasticity.

Physics 484G. (Also Mathematics 484G). Theoretical Mechanics. Three hours.

A continuation of Physics 483G, dealing with the more difficult problems of statics and dynamics and introducing such general procedures as generalized coordinate and Lagrange's equations.

Physics 485G. (Also Mathematics 485G). Vector Analysis. Three hours.
Prerequisite: Mathematics 362.

Addition, subtraction and multiplication of vectors; differentiation

and integration of vectors; kinematics and dynamics of a particle; kinematics and dynamics of a rigid body.

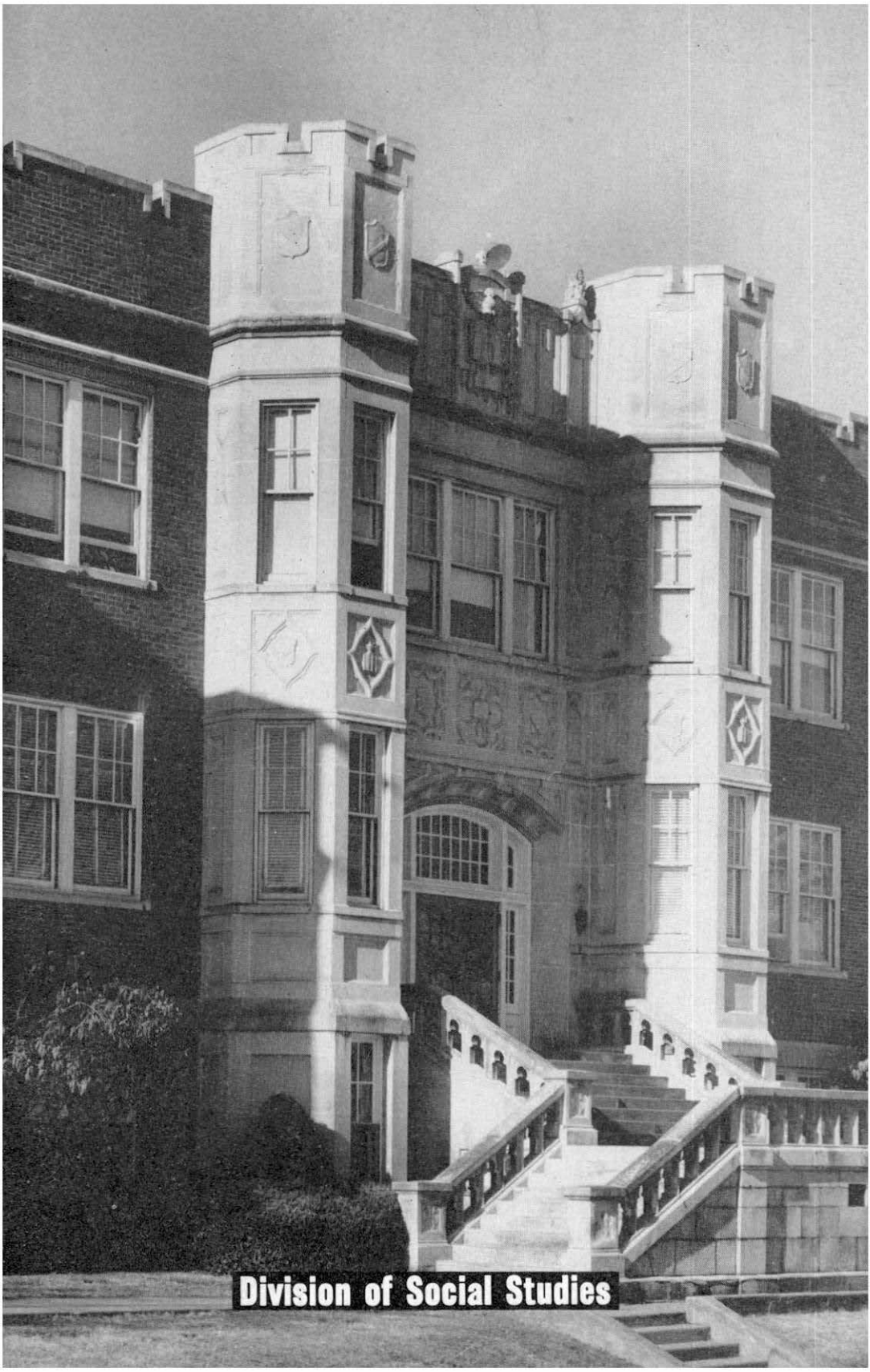
Physics 501. Physical Concepts. Three hours.

Basic principles of physics will be re-examined in accordance with newer knowledge regarding them. Advances in atomic, molecular, and nuclear physics will be particularly considered.

Physics 570. Special Problems in Physics. One to three hours.

Prerequisite: Open only to qualified graduate students.

Designed to give the student an opportunity to do advanced work as a continuation of his studies. The student is required to carry on individual research in physics. The problem to be investigated will be selected after enrollment.


Division of Social Studies

Division of Social Studies

Mr. Rader, Chairman
Mr. Breaden
Mr. Carey
Mr. Exelbirt
Mr. Fincel
Mr. Fowler
Mr. Gartin
Mr. Mangrum
Mr. Nelson
Mr. Playforth
Mr. Ragan
Mr. Shane
Miss Wilkes
Mr. Woods

Objectives:

1. To provide, through the area of concentration in the social science program, a broad preparation in the social studies for teachers in the secondary schools.
2. To provide major and minor programs for students who prefer a more concentrated preparation in one or more of the primary social studies fields: economics, sociology, geography, history, political science, and philosophy.
3. To provide the courses of primary interest to those pursuing the program planned for training teachers for the elementary schools.
4. To provide those courses which have been especially organized as a part of the general education program of the college.
5. To provide a balanced selection of experiences for those students who may wish to enlarge their training in the general area of the social studies, or in some particular subject of that area.

SOCIAL SCIENCE

Requirements for an Area of Concentration in Social Science:

	Semester Hours
History 241, 242, 331, 332	12
Additional advanced credit in history	6
Political Science 241	3
Additional credit in political science	3
Sociology 201	3
Additional credit in sociology	3
Economics 201, 202	6
Geography 100	3
One additional course in geography	3
Six hours elective from any of the social sciences	6
Seminar	1
Total for an Area of Concentration	49

SUGGESTED PROGRAM

The following program has been devised to help students in selecting their courses and in making their schedules. This suggested schedule need not be followed specifically from semester to semester, but close adherence to it will aid the student in meeting all requirements for graduation.

Provisional High School Certificate with an Area of Concentration in Social Science

FRESHMAN YEAR

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
P.E.	Activity course	½	P.E.	Activity course	½
	Freshman Orientation	1	Ed.	100—Orientation in Ed.	1
Sci.	101—Intro. to Biol. Science		Sci.	102—Intro. to Biol. Science	
or		3	or		3
Sci.	103—Intro. to Phy. Science		Sci.	104—Intro. to Phy. Science	
Geog.	100—Fundamentals of Geography	3	Soc.	201—General Sociology	3
			Psy.	153—General Psychology	3
Hlth.	150—Personal Health	2		Elective	3
	Elective	3			
		15½			16½

SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
P.E.	Activity course	½	P.E.	Activity course	½
Sci.	103—Intro. to Phy. Science		Sci.	104—Intro. to Phy. Science	
or		3	or		3
Sci.	101—Intro. to Biol. Science		Sci.	102—Intro. to Biol. Science	
Hist.	241—The U.S. 1492-1865	3	Hist.	242—The U.S. 1865 to the Present	3
Ec.	201—Principles of Economics	3			
Ed.	210—Human Growth and Develop. I	3	Ec.	202—Economic Problems	3
			FA	160—Apprec. of the Fine Arts	3
		15½			15½

JUNIOR YEAR

First Semester			Second Semester		
Hist.	331—Modern Europe, 1500-1815	3	Hist.	332—Modern Europe 1815 to the Present	3
P.S.	241—Govt. of the U. S.	3			
Phil.	200—Intro. to Philosophy	3	Ed.	300—Intro. to Student Teach.	0
Geog.	Elective	3	Hist.	Advanced Elective	3
S.S.	300—Current World Problems	3		Elective	10
	Elective	2			
		17			16

SENIOR YEAR

First Semester			Second Semester		
Hist.	Advanced Elective	3	Ed.	477—Professional Semester	15
S.S.	471—Seminar	1			
	Elective	13			
		17			15

DESCRIPTION OF COURSES

Social Science 300. Current World Problems. Three hours. Prerequisite: Junior standing.

Custom and usage in the relations of nations; geographic, industrial, population, and military elements of national power; factors in

post war balance of power; limitations on national power; contemporary world issues and conflicts; and twentieth century approaches to world peace.

Social Science 471. Seminar. One hour.

The purpose of this course is to promote group discussion of problems, methods of investigation, and theory in the social sciences. Current social science periodicals and reports are used as bases for study and discussion.

Social Science 500. Contemporary World Problems. Three hours.

Prerequisite: Graduate standing and twelve hours in social science.

A study of the historical, physical, cultural and political factors underlying current international issues. Particular attention is centered on the broad aspects of international law, the structure and operation of the United Nations Organization, and other contemporary international agencies and arrangements.

Social Science 510. Development of American Democracy. Three hours.

Prerequisites: Graduate standing and twelve hours in social science.

The ideas, institutions, customs and experiences from which the contemporary American way of life has developed. Attention is given to European and early American influences as well as to more recent and current developments. Comparisons and contrasts with alien ideologies and ways of living are also stressed.

ECONOMICS AND SOCIOLOGY

Mr. Carey Mr. Playforth Mr. Fincel

Objectives:

A. In Economics

1. To equip the potential high school teacher with materials so that he may give suitable instruction in economics at that level of education.
2. To give the student a perspective of economic facts, processes, and issues necessary to his understanding of everyday life.

3. To provide a basic foundation for those desiring to do graduate work in economics.
4. To help prepare students for careers in law, government service, business and other professions.

B. In Sociology

1. To prepare students to teach this subject in high school, particularly as it is involved in the total program of the social studies.
2. To help the student to understand human society with all its backgrounds and interrelationships of men and environment—to measure society's capacity for survival and progress—and to provide for him sound theory and basic facts which he may need for social guidance and planning.
3. To help prepare the student for a career in the scientific study of society, social work, law, teaching in institutions of higher learning, or other professions.

Requirements:

For a Major in Economics and Sociology:	Sem. Hrs.
Economics 201 and 202	6
Sociology 201, 203 and 305	8
Economics 471 or Sociology 471	1
Advanced credit in economics or sociology approved by the department	15
Minimum for a Major	30
(A minimum of 8 hours in each subject must be included in this major.)	

For a Minor in Economics and Sociology:	
Economics 201 and 202	6
Sociology 201 and 305	6
Advanced credit in economics or sociology approved by the department	12
Minimum for a Minor	24

For a Major in Sociology: (Sociology can be used as a major only for the degree without a certificate. It will not be accepted as one of the required majors for the A.B. or B.S. degree with a certificate.)

Sociology 201, 203, 305, and 471	9
Advanced credit in sociology approved by the department	16
Minimum for a Major	25

For a Minor in Sociology:

Sociology 201, 203, and 305	8
Advanced credit in sociology approved by the department	10
Minimum for a Minor	18

For a Minor in Economics:

Economics 201 and 202	6
Additional credit in economics approved by the department	12
Minimum for a Minor	18

SUGGESTED PROGRAM

The following program has been revised to help students in selecting their courses and making their schedules. This suggested schedule need not be followed specifically from semester to semester, but close adherence to it will aid the student in meeting all requirements for graduation.

Provisional High School Certificate with a Major in Economics and Sociology

FRESHMAN YEAR

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
P.E.	Activity course	½	P.E.	Activity course	½
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
Sci.	101—Intro. to Biological Sci.		Sci.	102—Intro. to Biological Sci.	
or		3	or		3
Sci.	103—Intro. to Physical Sci.		Sci.	104—Intro. to Physical Sci.	
Soc.	201—General Sociology	3	Soc.	203—Contemporary Social Probs.	2
F.A.	160—Apprec. of the Fine Arts		Psy.	153—General Psychology	3
or	Foreign Language	3		Second Major	3
Hlth.	150—Personal Health	2			
		15½			15½

SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
P.E.	Activity course	½	P.E.	Activity course	½
Sci.	103—Intro. to Physical Sci.		Sci.	104—Intro. to Physical Sci.	
or		3	or		3
Sci.	101—Intro. to Biological Sci.		Sci.	102—Intro. to Biological Sci.	
Ec.	201—Principles of Economics	3	Ec.	202—Economics Problems	3
Ed.	210—Human Growth & Develop. I	3	Phil.	200—Intro. to Philosophy	
	Second Major	3	or	Foreign Language	3
				Second Major	3
		15½			15½

JUNIOR YEAR

First Semester			Second Semester		
Soc.	305—Cultural Anthropology	3	Ed.	300—Intro. to Student Teaching	0
Ec.	441—Public Finance	3	S.S.	300—Current World Problems	3
	Second Major	6	Soc.	384—World Religions	
	Elective in Economics		or		
	or Sociology	5	Soc.	403—The Family	
			or		3
			Ec.	302—Labor Problems	
			or		
			Ec.	304—Marketing	
				Second Major	6
				Elective	5
		17			17

SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	Ed.	477—Professional Semester	15
Soc.	405—General Anthropology				
or					
Ec.	442—Money and Banking	3			
or					
Ec.	443—Investments				
S.S.	471—Seminar	1			
	Second Major	3			
	Elective	7			
		17			15

DESCRIPTION OF COURSES

ECONOMICS

Economics 201. Principles of Economics. Three hours.
Prerequisite: Sophomore standing.

Economic organization; production and the forms of business units; consumption and the laws of price, money, banking and exchange; distribution of wealth and income.

Economics 202. Economic Problems. Three hours.
Prerequisite: Economics 201.

The economics of distribution; government; international trade, investment and payments; problems of labor; problems of American agriculture, transportation; contrasting economic systems.

Economics 211. Economic Geography. Three hours.
(See Geography 211.)

Economics 280. Agricultural Economics. Three hours.
Prerequisite: Economics 201.

Development of agriculture and agricultural economics; farm population and farm life; price economy; geographic factors; interest, wages, and profits; proportioning of land, labor and capital; farm credit; land tenure; cooperative marketing movements.

Economics 302. Labor Problems. Three hours.
Prerequisite: Economics 201 or 202, or upper division standing.

Organized labor; labor legislation; the capitalistic regime; economic inequality; standards of living; industrial conflicts; state control and regulation.

Economics 304. Marketing. Three hours.
Prerequisite: Economics 201.

Raw materials and products; organized exchange; analysis of market; market price; manufactured products; warehouses; cooperative societies; distribution organizations.

Economics 339. Economic History of Europe. Three hours.
Prerequisite: Upper division standing.

Medieval and early modern backgrounds; agriculture, industry, and trade from the Napoleonic Wars to the First World War; labor legislation and organization to 1914; the First World War and its aftermath; economic experiments in Europe.

Economics 349. Economic History of the United States. Three hours. (Formerly Economics 149.)
Prerequisite: Junior standing.

Early colonial commerce; transportation and communication; rise of big business; monopoly and antitrust laws; the labor movement; agricultural development; government and the economy; foreign policy and trade; effects of war; business cycles; basic principles of the American economy.

Economics 440G. World Manufacturing. Three hours.
(See Geography 440G.)

Economics 441G. Public Finance. Three hours.
Prerequisite: Economics 201.

Public expenditures; public revenue; taxation; public credit; financial administration of government.

Economics 442G. Money and Banking. Three hours.
Prerequisite: Economics 201.

Credit and banking; nature of credit—personal credits, bank credit; bank reserves; bank notes; state banks; the national banking system; the federal reserve system—member banks, gold reserve; money market.

Economics 443G. Investments. Three hours.
Prerequisite: Economics 201.

Corporation bonds; bonds secured by land or real estate; civil obligations; interest; the influence of market upon price of stocks and bonds.

Economics 471. Seminar. One hour.
Prerequisites: Twelve hours in economics and senior standing.

The purpose of this course is to promote group discussion of problems, methods of investigation, and theory in the social sciences. Current social science periodicals and reports are used as bases for study and discussion.

Economics 583. Development of Economic Thought. Three hours.
(Formerly Economics 483.)

Economic contributions of the ancient Hebrews, Greeks and Romans; the early scholastics; mercantilists; physiocrats; Adam Smith; Ricardo; the socialists; and recent economic thought.

SOCIOLOGY

Sociology 170. Rural Sociology. Three hours.

Rural and urban contrasts in ways of life; patterns of rural settlement; types of rural communities; studies in rural population and migration; patterns of social interaction; rural social institutions—economic, school, church, family, government; social pathology and welfare; rural health, medical services and facilities. Special emphasis is laid on rural life in Kentucky and surrounding areas.

Sociology 201. Introductory Sociology. Three hours.

Man and culture; studies in human personality and individual behavior as members of a group; heredity versus environment; social interaction patterns; forms of group behavior and group classifications; races of man and their social significance; communities; social institutions; social change and invention; and social control.

Sociology 203. Contemporary Social Problems. Two hours.

Problems concerning environment; wealth; poverty; population; mental efficiency; race; the family; child welfare; public opinion; crime and delinquency; and others.

Sociology 205. Social Institutions. Two hours.

Factors and resources upon which man's social institutions are founded; cultural heritage of the Western World; marriage and the family; economic institutions; education; recreation; science; religion; government; institutional processes; future of western culture.

Sociology 302G. Population Problems. Two hours.

Population studies on local, state, national and world bases. The socio-cultural method is applied in interpretations of vital statistics.

Topics covered include: population theories; life expectancy; population composition; differential birth and death rates; distributions of population; internal and international migrations and their effects on the population; and population policies.

Sociology 305G. Cultural Anthropology. Three hours.

Cultural horizons; patterns of man's cultural development; primitive hunting, domestication of animals, farming, trade and transportation; art; social institutions; social organizations; government and law; religion and magic; knowledge and science; invention, diffusion, convergence, as seen among American Indian tribes, African Negro tribes, Eskimo and others. Recommended as basic to all social sciences.

Sociology 354G. Social Psychology. Three hours.

Group behavior of lower animals; social functions of language; theories of human nature; dependable motives; emotional behavior; individual and class differences; racial differences; the individual in the group; culture and personality; personality problems; social factors in abnormality; social factors in delinquency and crime.

Sociology 384G. World Religions. Three hours.

Study of the great religions of the world using cultural, historical and comparative approaches. Religions of selected primitive tribes; religions of Egypt and Mesopotamia; religious systems of India—Hinduism, Buddhism, Jainism, Sikhism and their derivatives; East Asiatic religions—Confucianism, Taoism, Shinto; religions of Western Asia—Zoroastrianism, Judaism, Christianity, Mohammedanism and their derivatives. Religions as forces for social control.

Sociology 401G. Criminology. Three hours.

Nature and significance of crime; history of criminological thought; the explanation of crime; personality traits and crime; Negro and crime; juvenile delinquency; criminal law; criminal courts; prison history; new movements in prison reform; treatment of the juvenile delinquent; crime prevention.

Sociology 402G. Immigration. Three hours.

Immigration processes; history of immigration; legislation, minority groups; racial and cultural conflicts; acculturation, assimilation and integration of the immigrant.

Sociology 403G. The Family. Three hours.

Historical survey of the family; mate selection; courtship; adjustment problems in marriage; problems of parenthood; family administration; sex education.

Sociology 405G. General Anthropology. Three hours.

Ancient man and prehistoric culture; race and culture; culture and society; subsistence and crafts; marriage and kin; status and social role; property and politics; social control; religion and magic; the dynamics of culture. Recommended as basic to all social sciences.

Sociology 500. Independent Research. One to four hours.

Qualified students may arrange with staff for individual work on some particular sociological problem. Credit hours will depend on the quality and quantity of achievement by the student.

Sociology 510. Western Cultural Heritage. Three hours.

A combined lecture and research course in which sources of our American culture traits and traditions are traced from their apparent beginnings in many parts of the world, through their diffusions in time and space, to their integrations into our culture pattern. Stress is placed on contributions of the ancient formative cultures which provided bases of modern civilizations such as those of Egypt, Mesopotamia, Palestine, India, China, the American Indian, and others.

Sociology 525. The Community. Three hours.

A study of community organization, nature, classification, structure, function, and institutions: A study of human behavior and interrelationships, variation and change, conflict and disorganization, integration, techniques and principles in community life and development. The course is oriented to research with stress on the interrelationships of the various subsystems and networks of the rural community.

Sociology 550. Social Thought and Theory. Three hours.

Formerly Sociology 450, Social Philosophy.

The philosophies of outstanding thinkers through history from the classical Greeks to the present. Influence of family background,

personal experience, and trends of contemporary culture and thought through the ages on the systems of Plato, Aristotle, St. Augustine, Machiavelli, Hobbes, Locke, Rousseau, Spencer, Durkheim, Pareto and others. Trial applications of the systems to evaluate their adequacies to explain modern social, cultural and world issues.

GEOGRAPHY

Miss Wilkes Mr. Nelson Mr. Gartin

Objectives:

1. To provide competent instruction in geography for teachers of the subject at elementary and high school levels.
2. To offer a field of major study for students wishing to do graduate work in this field.
3. To broaden the cultural development of students by introducing them to the idea of man's varied adjustments to varied physical environments.
4. To afford training to those choosing careers as professional geographers. Such personnel is in demand by government agencies and by business, commercial, and industrial firms.

Requirements:

For a Major with Certificate:	Sem. Hrs.
Geography 100, 101, 200, 211, 241, 471, 475	17
Elective courses in geography	12
Minimum for a Major	29
For a Minor:	
Geography 100, 101, 241, 300	12
Elective courses in geography	6
Minimum for a Minor	18

SUGGESTED PROGRAM

The following program has been devised to help students in selecting their courses and making their schedules. This suggested schedule need not be followed specifically from semester to semester, but close adherence to it will aid the student in meeting all requirements for graduation.

Provisional High School Certificate with a Major in Geography

FRESHMAN YEAR

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
P.E.	Activity course	½	P.E.	Activity course	½
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
Sci.	101—Intro. to Biological Sci.		Sci.	102—Intro. to Biological Sci.	
or		3	or		3
Sci.	103—Intro. to Physical Sci.		Sci.	104—Intro. to Physical Sci.	
Geog.	100—Fundamentals of Geography	3	Geog.	101—Physical Geography	3
F.A.	160—Apprec. of the Fine Arts		Psy.	153—General Psychology	3
or	Foreign Language	3		Second Major	3
Hlth.	150—Personal Health	2			
		15½			16½

SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro to Litreature	3	Eng.	202—Intro. to Literature	3
P.E.	Activity course	½	P.E.	Activity course	½
Sci.	103—Intro. to Physical Sci		Sci.	104—Intro. to Physical Sci.	
or		3	or		3
Sci.	101—Intro. to Biological Sci.		Sci.	102—Intro. to Biological Sci.	
Geog.	211—Economic Geography	3	Geog.	241—United State and Canada	3
Geog.	200—Map Interpretation	1		Second Major	3
Phil.	200—Intro. to Philosophy			Elective	4
or	Foreign Language	3			
Ed.	210—Human Growth & Develop. I	3			
		16½			16½

JUNIOR YEAR

First Semester			Second Semester		
S.S.	300—Current World Problems	3	Ed.	300—Intro. to Student Teaching	0
	Elective in Geography	6		Elective in Geography	6
	Second Major	6		Second Major	6
	Elective	2		Elective	3
		17			15

SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	Ed.	477—Professional Semester	15
Geog.	475—Teaching Geography	3			
S.S.	471—Seminar	1			
	Second Major	6			
	Elective	3			
		16			15

DESCRIPTION OF COURSES

GEOGRAPHY

Geography 100. Fundamentals of Geography. Three hours.

A study of man's varied response and adjustment to his natural and cultural environment; human activity within the major climatic regions of the world. This course is basic to further study in geography.

Geography 101. Physical Geography. Three hours.

Study of the physical elements of the earth and their areal distribution; weather, climate, landforms, earth materials, water resources and natural vegetation analyzed and interpretated as elements of human habitation; correlated field trips and laboratory studies.

Geography 200. Map Interpretation. One hour.

Prerequisite: Geography 100 or 101.

Introduction to map components and interpretation techniques; familiarization with aerial photographs; potentialities and limitations of maps and air photographs as tools of geographic study.

Geography 211. Economic Geography. Three hours.

Study of world commodities and their regional distribution; analysis of land uses, manufacturing and extractive industries against a background of natural and cultural environments; consideration of economic factors in current international affairs.

Geography 241. United States and Canada. Three hours.

An intensive study of the major land-use regions of Anglo-America, their physical and cultural landscapes; an introduction to advanced regional analysis.

Geography 250. Elementary Cartography. Three hours.

Prerequisite: Geography 100 or 101.

Cartographic techniques, map compilation, scales, symbolization, grid systems, reproduction, and map-making instruments and equipment; graphic presentation of geographic data.

Geography 300. Regional Geography. Three hours.

This course is planned specifically to guide the elementary teacher toward an understanding of the nature of regional geography and toward selection and organization of materials suited to the teaching of geography at different grade levels. Principal regions of the world are studied in as much detail as so comprehensive a course allows.

Geography 310. Australia. Three hours.

Prerequisite: Geography 100.

Resources of Australia, New Zealand, and neighboring islands of the Pacific; significance of position and political connections of these lands.

Geography 320G. South America. Three hours.
Prerequisite: Geography 100 and 241.

Regional analysis on national and continental basis with treatment of the physical, cultural, and economic characteristics; stress upon prospects of expansion for settlement, development of resources, and growth of industries. Special attention to the relationships of this continent with the United States.

Geography 328G. Africa. Three hours.
Prerequisite: Geography 100.

Study of Africa on the basis of its resources both natural and cultural; changing political conditions and affiliations of African countries; recognition of, and reasons for, the growing importance of this continent in world affairs.

Geography 331G. Europe. Three hours.
Prerequisite: Geography 100.

Political and military importance of this continent to the United States; resources and economic developments within the principal countries; special attention to Western Europe as ally and as economic competitor.

Geography 344. Kentucky. Two hours.
Prerequisite: Geography 100 and one additional course in geography or geology.

A detailed study of the physiographic divisions and subdivisions; interpretations of the weather and climate; drainage pattern; natural resources; occupations and land use; a survey of political units and consideration of traditions and potentialities of this state.

Geography 344a. Kentucky Field Studies. One hour.
Prerequisite: Current enrollment in Geography 344.

Selected readings pertaining to areas under study; observation trips into these areas with directed investigations; written geographical interpretation of these areas required.

Geography 383G. Asia. Three hours.

Emphasis placed on human-use regions of India, China, and Japan; brief survey of other parts of Asia; significance of political developments in this area to the United States and the world.

Geography 390G. Climatology. Three hours.

Introduction to the physical elements of weather and climate; classifications of types and their distribution with particular reference to the effects of climate on the earth's physical and cultural landscapes.

Geography 400G. Russia. Three hours.

Systematic and regional study of the U.S.S.R. Special attention is given to the resource base, with appraisal of the agricultural and industrial strength of the country; consideration of the effects of governmental policy on economic growth.

Geography 440G. World Manufacturing. Three hours.

Prerequisite: Six hours in geography or approved studies.

Interpretive analysis of the pattern and function of selected manufacturing industries; location theory; sources of raw materials; and location of markets, labor supply, and transportation; trends in regional industrial changes.

Geography 475. Teaching Geography. Three hours.

For majors in geography.

Prerequisite: 12 hours credit in geography.

Objectives in teaching geography; selection and organization of materials suitable for teaching regional, economic, and physical geography.

Geography 500. Political Geography. Three hours.

Prerequisite: Geography 100, 211, 241, and one approved regional course.

Recognition of content and concepts of political geography; basic factors in evaluating strength of a nation; application of these understandings to world political patterns.

HISTORY AND POLITICAL SCIENCE

Mr. Rader	Mr. Fowler	Mr. Ragan
Mr. Breaden		Mr. Shane
Mr. Exelbirt		Mr. Woods

Objectives:

A. In History

1. To make the student a better American and a better citizen of the world by introducing him to those events, movements and personalities of the past which have made a significant contribution to the growth of our country and other countries.

2. To develop an appreciation for the record of man's achievements and an understanding of the influence of the past upon the world we live in today.
3. To provide an adequate foundation for those students who expect to enter the fields of law, government service, business and other professions.
4. To develop teachers of history who will have an interest in and be able to make a distinct contribution to the program of the social studies at the secondary level.

B. In Political Science

1. To provide the student with a background sufficient to enable him to exercise with intelligence the duties which come with living in a democratic society.
2. To develop an understanding of the institutions which make up our government and the basic principles that control their operation.
3. To give the student who does his major or minor work in political science a well-balanced training in the major divisions of the field.
4. To provide teachers with a more thorough foundation for, and a greater appreciation of American principles and practices of democracy, and to create a fuller understanding of the conditions out of which have grown the issues and controversies confronting the world today, to the end that our educational system will be a stronger force in the training of young people for active and intelligent participation in a democratic society.

Requirements: Sem. Hrs.

For a Major in History:

History 131, 132, 241, 242, 331, 332, 471	19
Advanced credit in history	6
Total for a Major	25

For a Minor in History:

Either History 131 and 132 or History 331 and 332	6
History 241, 242	6
Advanced credit in history	6
Total for a Minor	18

For a Major in Political Science:

Political Science 241, 242, 333, 343, 450, 471	16
Advanced credit in political science	9
Total for a Major	25

For a Minor in Political Science:

Political Science 241, 242, 343, 450	12
Advanced credit in political science	6
Total for a Minor	18

Provisional High School Certificate with a Major in History

FRESHMAN YEAR

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
P.E.	Activity course	½	P.E.	Activity course	½
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
Sci.	101—Intro. to Biological Sci.		Sci.	102—Intro. to Biological Sci.	
or		3	or		3
Sci.	103—Intro. to Physical Sci.		Sci.	104—Intro. to Physical Sci.	
Hist.	131—History of Civilization	3	Hist.	132—History of Civilization	3
F.A.	160—Apprec. of the Fine Arts		Psy.	153—General Psychology	3
or	Foreign Language	3		Second Major	3
Hlth.	150—Personal Health	2			
		15½			16½

SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
P.E.	Activity course	½	P.E.	Activity course	½
Sci.	103—Intro. to Physical Sci.		Sci.	104—Intro. to Physical Sci.	
or		3	or		3
Sci.	101—Intro. to Biological Sci.		Sci.	102—Intro. to Biological Sci.	
Hist.	241—U. S. of A., 1492-1865	3	Hist.	242—U. S. of A., 1865-Present	3
Ed.	210—Human Growth & Develop. I	3		Second Major	6
Phil.	200—Intro. to Philosophy				
or	Foreign Language	3			
		15½			15½

JUNIOR YEAR

First Semester			Second Semester		
Ed.	300—Intro. to Student Teaching	0	Hist.	332—Modern Europe, 1815-Present	3
S.S.	300—Current World Problems	3		Elective in History	3
Hist.	331—Modern Europe, 1500-1815	3		Second Major	6
	Second Major	6		Elective	5
	Elective	5			
		17			17

SENIOR YEAR

First Semester			Second Semester		
S.S.	471—Seminar	1	Ed.	477—Professional Semester	15
	Elective in History	3			
	Second Major	3			
	Elective	9			
		16			15

DESCRIPTION OF COURSES

HISTORY

History 131. History of Civilization. Three hours.

The conquest of civilization; classical civilization of the ancient Mediterranean world; origin of Western European Civilization; medieval institutions and culture; transition to modern times.

History 132. History of Civilization. Three hours.

The expansion of Europe; era of industrial capitalism; nationalism, democracy, and imperialism; the crisis in western civilization.

History 241. United States of America, 1492-1865. Three hours.

Prerequisite: Sophomore standing preferable but open to freshmen.

Discoveries, explorations, colonization, rivalries between colonizing powers; colonial commerce and government; economic and social development; Anglo-American relations; the American Revolution with its problems; adoption of the Federal Constitution; development of national government; political parties; slavery; expansion of territory; compromise of 1850; Civil War.

History 242. United States of America, 1865 to the Present. Three hours.

Prerequisite: Sophomore standing preferable but open to freshmen.

Reconstruction; political corruption; the far West; transportation; big business; organized labor; reform movements; free silver crusade; war with Spain; Panama Canal; the Caribbean; the First World War and the problems of reconstruction; the Depression; the New Deal; the Second World War; contemporary problems.

History 330. Ancient History. Three hours.

Prerequisite: Preferably junior standing.

The ancient Near East; Hellenic civilization; the Hellenistic Age; Roman civilization; the classical heritage.

History 331. Modern Europe, 1500-1815. Three hours.

Prerequisites: Six or more hours of college history and preferably junior standing.

The development of modern nations; the Reformation and religious wars; dynastic and economic statecraft; revolutionary development of the modern world.

History 332. Modern Europe, 1815 to the Present. Three hours.
Prerequisites: Six or more hours of college history and preferably junior standing.

Industrial Revolution; the reforms of the nineteenth and twentieth centuries; social factors in recent European history; the political and cultural growth of the various European countries; their relations to the rest of the world; peace efforts; the First World War; subsequent trends in European government and society; growth of nationalism; dictatorship; and World War II.

History 335G. History of Russia. Three hours.
Prerequisites: Six hours of history and preferably junior standing.

Beginnings of the Russian state; the Kiev period; Tartar domination; the Moscow period; Peter the Great; emergence of Russia as a European power; attempts at westernization of Russia; political and revolutionary movements; the November Rebellion; state, society, and economy after 1917; World War II and the post-war era.

History 336G. History of France. Three hours.
Prerequisites: History 131 and 132, and junior standing.

Origins of France; medieval France; the age of Reformation and religious wars; the growth of absolutism; the age of Louis XIV; the breakdown of the old order; the French Revolution and the Napoleonic Era; the quest for a stable political order in the 19th century; the Third Republic; France during the World Wars; the destruction of the Third Republic; the Fourth Republic and its problems.

History 337G. History of Germany. Three hours.
Prerequisites: History 131 and 132, and junior standing.

The origin of Germany; Holy Roman Empire; struggle with the Pope; disintegration of the Empire; Reformation; growth of absolutism; rise of Austria and Prussia; Napoleonic Wars; movements toward unification; Second German Empire; First World War and the Weimar Republic; rise of Fascism and the Second World War; contemporary Germany and its problems.

History 338G. Great Britain and the British Commonwealth of Nations. Three hours.
Prerequisites: Six or more hours of college history and preferably junior standing.

The building of the British political, social, and economic system and expansion of the British influence to all parts of the world. Special attention will be given to the growth of the British Empire and the development of the British Commonwealth of Nations with its many ramifications.

History 339. Economic History of Europe. Three hours.
See Economics 339.

History 343G. American Political Parties. Three hours.
See Political Science 343G.

History 344. History of Kentucky. Three hours.
Prerequisite: Six semester hours of history or junior standing.
Early settlement of Kentucky; becoming a Commonwealth; constitutional, social, and economic development; Civil War and readjustment; recent history and development.

History 345. The American Frontier. Three hours.
Prerequisite: History 242 and junior standing.
The merits and limitations of the Turnerian thesis; the gold rush of 1848-49 and the rise of the mineral frontier; the effect of the Homestead Act on the West; building of the transcontinentals; rise and fall of the cattle kingdom; the last stand of the Indians; state building in trans-Mississippi West; the West in art, literature, and music.

History 348. Latin America. Three hours.
Prerequisites: History 241 and 242, and junior standing.
Spain and Portugal in the 15th century; the age of discovery and colonization; the economic, political, and social orders of Colonial Latin America; the Wars for Independence; the era of the Caudillos; the rise of the A.B.C. countries; the Spanish-American War; the "big stick" policy, dollar diplomacy, and the good neighbor policy; Latin America in World War II; politics, economics, and social conditions in Latin America today.

History 349. Economic History of the United States. Three hours.
(See Economics 349)

History 400. American Foundations. Three hours. (Required of all students who do not have credit for History 241 and 242 or the equivalent. This course satisfies three hours of the twelve hours in social science required of all students for graduation.)
Prerequisite: Second-semester junior standing.
Origin, substance, and interpretation of the Constitution; causes, crises, and reconciliations of sectionalism; history and role of political parties; states rights vs. nationalism; theory and practice of private

enterprise; free public education; separation of church and state; genesis and development of the idea of personal freedom; milestones and trends in the area of foreign affairs.

History 438G. The Far East. Three hours.

Prerequisites: Junior standing and at least nine hours of history or government.

History of the early Far East; roles of England, France, and Germany in the Far East; effects of territorial agreements; American spheres of interest; recent developments in the Far East; the future Far East and its relations to the rest of the world.

History 440G. American Colonial History. Three hours.

Prerequisite: History 241.

Discovery, exploration and settlement; geographic influences; the Indians; comparison and contrast to colonization by other European peoples; development of American institutions; separation from the mother country.

History 443G. Sectional Controversies. Three hours.

Prerequisites: History 241 and junior standing.

Sectionalism in the Constitutional Convention of 1787; controversy over the War of 1812; sectional disputes concerning the U.S. Bank, the tariff, and internal improvements; the industrial North versus the agrarian South and West; birth of the Republican Party; causes of the Civil War; land and naval engagements of the Civil War; diplomacy of the North and South, 1861-65; constitutional developments, North and South, during the Civil War; politics during the Civil War; life behind the lines; why the South lost the Civil War.

History 444G. The American Constitution. Three hours.

(See Political Science 444G)

History 445G. The United States, 1900 to the Present. Three hours.

Prerequisites: Junior standing and preferably History 242.

The social picture in 1900; American sports; development and trends in religion; evolution of the press and magazines; developments in architecture, painting, sculpture, music, and literature; origin, growth, and influence of the motion picture, radio, and television; trends and mileposts in education.

History 446G. American Foreign Relations before 1890. Three hours.

Prerequisites: History 241 and junior standing.

French Alliance of 1778, purchase of Louisiana; War of 1812 and its effects; Monroe Doctrine; acquisition of Oregon; Texas and the Mexican War; Maximilian episode; the Alabama affair and the Geneva Arbitrations; the period of somnolence.

History 447G. American Foreign Relations since 1890. Three hours.

Prerequisites: History 242 and junior standing.

America's beginnings in overseas imperialism; Blaine and Pan-Americanism; Spanish-American War and its repercussions; acquisition of the Panama Canal Zone; Roosevelt's "Big Stick" Policy; World War I, Wilson, and the peace; America goes isolationistic; Good Neighbor Policy; rise of the dictators; World War II; post-war developments.

History 450G. The World Since 1914. Three hours.

Prerequisite: Junior standing.

World War I; the peace treaties; the attempts to perpetuate peace among the nations and to solve worldwide economic and social problems; the history of internal movements in the major states; the rise of dictatorships; the status of democracy; the breakdown of collective security; World War II and its consequences.

POLITICAL SCIENCE

Political Science 241. Government of the United States. Three hours.

Prerequisite: One year of college work or the consent of the instructor.

Origins; the Constitution and its makers; the citizen—his rights, his political privileges; the Executive—his powers and functions; the Cabinet; the Senate; the House of Representatives; regulation of commerce; war powers; political parties—their origin and functions; judicial power; government of territories.

Political Science 242. State and Local Government. Three hours.

Prerequisite: Political Science 241.

The place of the states in the nation; the state constitution; state legislature; the state executive; state administration; state finance; state courts; state parties and politics; reconstruction of state government; the history of local government; the American city; municipal government; rural government.

Political Science 333G. Comparative Government. Three hours.
Prerequisite: Political Science 241.

Constitutional development; political organization; legislation; administration; party systems; courts; local government; the cabinet; recent development and proposed changes.

Political Science 343G. American Political Parties. Three hours.
(Also History 343G.)
Prerequisite: Political Science 241.

The political party as a part of the political machinery; party organization; party activities; campaign methods; reform movements; public opinion and party leadership; true function of parties and party responsibility.

Political Science 344G. Kentucky Government. Three hours.
Prerequisites: Political Science 241.

Constitutional development; governmental organization of Kentucky—executive, legislative, judicial; local government; party development; present-day governmental problems.

Political Science 350G. Early Political Theory. Three hours.
Prerequisites: Political Science 241 and History 131.

Early political institutions and ideas; Greek and Roman contributions to the theory and practice of government; development of church and state relationships; nature and authority of law; transition from the city state to the national state.

Political Science 351G. Recent Political Theory. Three hours.
Prerequisites: Political Science 241 and History 132.

The theory of the national state; absolutism and the theory of divine right; the concept of sovereignty; right to resist and the theory of natural rights and natural law; rise of radicalism; rights of the citizen and the growth of liberalism; fascism and communism; democracy in an industrial society.

Political Science 444G. The American Constitution. Three hours.
(Also History 444G. Formerly Political Science 446 and 447.)
Prerequisite: Political Science 241.

Principles of constitutional interpretation; the federal system; separation of powers and judicial review; principles and precedents underlying current interpretations in such fields as civil rights, government and the economy, social and welfare legislation.

Political Science 448G. Public Administration. Three hours.
Prerequisites: Political Science 241 and 242.
Administrative organizations; state control of local administration; personnel problems; financial administration; administrative law; public relations; standards for measuring administrative performance.

Political Science 450G. International Relations. Three hours.
Prerequisites: History 242 and 332; Political Science 333, or nine hours of political science.
Foundations of international relations; the United States' foreign policy; geographic position; economic and strategic factors; instruments of policy; regional and world politics; problem of European peace; problem of peace in Asia; the United States and the world powers; background of World War II; the United Nations Organization and the problem of lasting peace.

PHILOSOPHY

Mr. Mangrum

Objectives:

1. To increase the student's ability to think intelligently about basic views concerning man and the universe which underlie our everyday social, political, economic, religious, and scientific theories and activities.
2. To introduce the student to the names and basic ideas of philosophers who have greatly influenced the thought and action of the modern world.
3. To develop in the student an understanding and appreciation of the history and the function of philosophy.

Requirements: Sem. Hrs.

**For a Minor:*

Philosophy 200	3
Philosophy 306	3
Philosophy 405G and 406G	6
Additional credit in philosophy approved by the department	6
Minimum for a Minor	18

*This minor cannot be used as a required minor for teacher certification.

DESCRIPTION OF COURSES

Philosophy 200. Introduction to Philosophy. Three hours.

An introduction to major areas of philosophy; a study of basic views concerning God, man, and the world which underlie our everyday social, political, economic, religious, and scientific theories and activities. More specifically, this course introduces the student to alternative views concerning the nature of philosophy, knowledge, scientific method, meaningful statements, truth, reality, God, man, religion, art, and the good life.

Philosophy 305G. Ethics. Three hours.

A study of theoretical and practical problems of moral conduct and proposed solutions to them: a study of the nature of ethics, value, rights, and obligations; the relation of moral freedom, hereditary and environmental factors, and religion to conduct; the question of the relativity of moral values; proposed standards of moral conduct; and problems of personal and social morality.

Philosophy 306. Logic. Three hours.

A study of correct forms of reasoning or inference; the study of traditional, symbolic, and inductive logic: the nature and purpose of logic; the forms and uses of language; informal fallacies of relevance and ambiguity; the purposes and types of definition; kinds of meaning; deduction in traditional and symbolic logic; and induction.

Philosophy 307. Philosophy of Religion. Three hours.

Prerequisite: Any one of the following courses: Philosophy 200, Philosophy 405G, or Philosophy 406G.

A study of the nature and meaning of religion within each of the world-views; Supernaturalism, Materialism, Naturalism, Organism, and Idealism. A universal definition of religion is sought; the function of philosophy of religion is examined; and the following topics are discussed from the point of view of each of the above philosophies: the nature of religion; the origin and nature of religious knowledge; the nature of God, the world, man, sin, and salvation.

Philosophy 405G. History of Philosophy. Three hours.

Ancient and Medieval philosophy; a history of Western philosophy from Thales (624-546 B.C.), the father of Western philosophy, to the beginning of the Renaissance in the fourteenth century A.D.: pre-Socratic philosophers; Socrates; Plato; Aristotle; Hellenistic and Roman philosophy; Christianity; and Medieval philosophers and theologians, including Augustine, Aquinas, Duns Scotus, and others.

Philosophy 406G. History of Philosophy. Three hours.

Modern and Contemporary philosophy; a history of Western philosophy from the Renaissance in the fourteenth century A.D. to the present: the Renaissance; the Reformation; science and scientific method; and the philosophies of Bacon, Hobbes, Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, Kant, Hegel, Schopenhauer, Marx, Nietzsche, Bergson, Dewey, Whitehead, Russell, and others.

Philosophy 410. Contemporary Philosophy. Three hours.

Prerequisites: Philosophy 405G and Philosophy 406G.

An examination, interpretation, and evaluation of the philosophies of some of the most prominent representatives of such leading contemporary philosophical schools of thought as Idealism, Realism, Pragmatism, Logical Empiricism, Phenomenalism, Existentialism, Thomism, and Marxism. The metaphysics, epistemology, ethics, religious views, and aesthetics of the representatives of the various schools of philosophy will be emphasized.

Philosophy 510. Living Philosophy. Three hours.

This course is designed for graduate students who have had little or no training in philosophy. It is a study of such living schools of philosophy as Pragmatism, Existentialism, Logical Empiricism, Thomism, Realism, Naturalism, Organism, Materialism, and Idealism. In each of the above philosophies, the theory of the nature of knowledge, reality, religion, man, and the moral life will be emphasized.

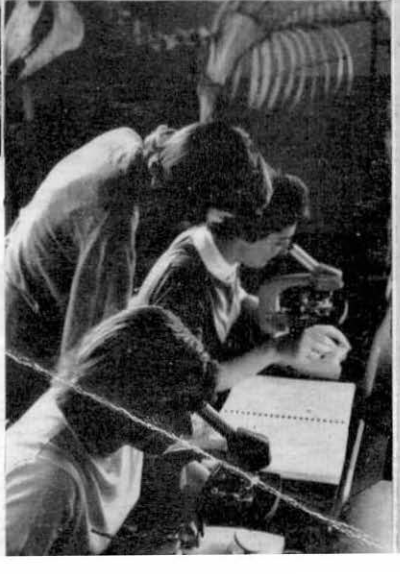
PSYCHOLOGY

Psychology 153. General Psychology. Three hours.

The content of this course emphasizes the following topics: psychology as a science; the various systems of psychology; heredity; behavior organisms; emotional behavior; the neural system; intelligence and individual differences; mental growth; intelligence tests and testing; and applications of the various psychological theories.

INDEX

	Page
Absences, Regulations Concerning	35
Administration Building	22
Administrative Staff	4
Admission to Advanced Standing	27
Admission to Freshman Class	27
Admission to Graduate Work	69
Admission to Teacher Education	27
Admission as a Special Student	28
Admission as an Auditor	28
Admission, Procedures for	27
Agricultural Education	77
Agriculture, Courses in	79
Agriculture, Major and Minor Requirements	76
Areas of Concentration	60
Art, Courses in	134
Art, Major and Minor Requirements	132
Athletics, Intercollegiate	49
Awards and Prizes	43
Bachelor's Degree, General Requirements	59
Bachelor's Degrees without Certificate, Requirements for	66
Baird Music Building	25
Biology, Courses in	211
Biology, Major and Minor Requirements	207
Board of Regents	3
Boarding Facilities	30
Breckinridge Training School	24
Buildings and Equipment	21
Business Administration, Requirements for Degree in	90
Button Auditorium	23
Cafeteria	25
Certification for Teaching	58
Change in Schedule	31
Change in Schedule Fee	31
Chemistry, Courses in	217
Chemistry, Major and Minor Requirements	215
Commencements	49
Commerce, Courses in	91
Commerce, Major and Minor Requirements	84
Committees	20
Convocation Exercises	49
Correspondence Courses	44
Credit, Regulations Concerning	40
Credit, Veterans	28
Curricula	58
Degrees	58
Dentistry	208
Discipline	36
Divisions—	
Applied Arts	75
Fine Arts	131
Health, Physical Education, Recreation, and Athletics	167
Languages and Literature	183
Professional Education	115
Science and Mathematics	205
Social Studies	235
Doran Student House	25
Dormitories	22
Dramatic Art, Courses in	163
Dramatic Art, Requirements	159
Eagle Editions	50
Economics, Courses in	240
Economics and Sociology, Major and Minor Requirements	238
Education, Courses in	118
Education, Requirements	116
Employment	40
Engineering	227
English, Courses in	186
English, Major and Minor Requirements	184
Entertainments	48
Expenses, Summary of	39
Extension, Courses in	44
Faculty	6
Failure in Other Colleges	31
Fees—	
Change of Schedule	31
Graduate Instruction	40
Graduation	38
Incidental	39
Laboratory	37
Late Registration	38
Laundry	37
Medical	37
Music	38
Room Reservation	29
Student Activities	37
Swimming	37
Yearbook	38
Fieldhouse	25
Financing	36
Fine Arts, Division of	131
Foreign Languages	191
Forestry	79
French, Courses in	192
French, Major and Minor Requirements	191
Freshmen, Information for	45
General Education	61
General Information	21
Geography, Courses in	246
Geography, Major and Minor Requirements	245
Geology, Courses in	219
Graduate Instruction	69
Admission to Graduate Work	69
Admission to Candidacy	70
Fees for	40
General Requirements for the Master's Degree	70
Thesis Requirements	70
Graduation Fee	38
Graduation, Requirements for	59
Guidance Service	50
Health, Courses in	178
Health, Minor Requirements in	169
Health Program	48
History, Courses in	252
History, Major and Minor Requirements	250
History of the College	21
Home Economics, Courses in	100
Home Economics, Major and Minor Requirements	98
Home Management House	24
Honors—	
Honor Roll	33
Graduation with	34
Honors Program	34
Industrial Arts, Courses in	107
Industrial Arts, Major and Minor Requirements	105
Ink Pot	50
Inscape	50
Jayne Memorial Stadium	24
Johnson Camden Library	25

INDEX—Continued

	Page
Laboratory Fee	37
Lappin Science Hall	24
Late Entrance Fee	38
Latin, Courses in	194
Latin, Minor Requirements	194
Laundry Fee	37
Library Science, Courses in	199
Library Science, Minor Requirements	197
Loans	42
Location of College	21
Lyceum and Special Entertainments	48
Machine Shop	25
Majors and Minors	59
Marking System	32
Master's Degree, Requirements for	69
Mathematics, Courses in	220
Mathematics, Major and Minor Requirements	220
Medical Fee	37
Medical Technology	209
Medicine	208
Music, Courses in	147
Music Fees	38
Music, Major and Minor Requirements	140
Night Classes	43
Numbering of Courses	33
Nurses, Program for	210
Organizations, Student	52
Part-Time Fees	39
Payment, Terms of	36
Physical Education, Major and Minor Requirements	168
Physical Education, Courses in	173
Physical Examination	29
Physics, Courses in	228
Physics, Major and Minor Requirements	226
Philosophy, Courses in	259
Philosophy, Minor Requirements in	258
Political Science, Courses in	256
Political Science, Major and Minor Requirements	251
Power Plant	24
President's Home	23
Probation, Scholastic	34
Profesional Semester, Elementary	122
Profesional Semester, Secondary	123
Programs of Study Suggested—	
Agriculture	79
Art	132
Commerce	88
Economics and Sociology	239
Elementary Certification	117
English	185
Geography	245
Health and Physical Education	169
History	251
Home Economics	99
Industrial Arts	106
Medical Technology	209
Nursing	210
Pre-Dentistry	208
Pre-Engineering	227
Pre-Forestry	79
Pre-Medicine	208
Pre-Veterinary	78
Science Area—	
Biology Emphasis	208
Chemistry Emphasis	216
Physics Emphasis	227
Secretarial Area	88
Social Science	236
Provisional Elementary Certificate, Requirements for	63
Provisional High School Certificate, Requirements for	65
Psychology	260
Publications, Student	49
Quality of Work	33
Raconteur	50
Refunds, Regulations Concerning	40
Registration	46
Registration, Late	38
Religious Environment	48
Religious Organizations	55
Room Reservations	29
Rooms for Married Couples	30
Rooms, Regulations Concerning	30
Schedule, Change in	31
Scholarship Points	33
Scholarships	41
Scholastic Probation	34
Science, Area Major—	
Biology Emphasis	207
Chemistry Emphasis	215
Physics Emphasis	226
Science, General Education Requirements	205
Secretarial Courses (See Commerce)	
Secretarial Program	91
Senff Natatorium	24
Social Science, Area Major	235
Sociology, Courses in	242
Sociology and Economics, Major and Minor Requirements	238
Spanish, Courses in	198
Spanish, Minor Requirements in	196
Special Students, Admission of	28
Speech and Dramatic Art, Courses in	160
Speech, Minor Requirements	159
Student Activities Fee	37
Student Employment, Opportunities for	40
Student Load	31
Student Loans	42
Student Organizations	52
Student Teaching (See Education)	
Swimming Fee	37
Testing Bureau	51
Trail Blazer	49
Transfer from other Colleges	27
Veterinary Medicine	78
Week-End Classes	43
Withdrawals	36
Yearbook Fee	38