

# MOREHEAD STATE COLLEGE

**MOREHEAD, KENTUCKY**

*General Catalog*  
1963-65

- 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

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**BULLETIN**

OF

**Morehead State College**

MOREHEAD, KENTUCKY

GENERAL CATALOG

1963-64

1964-65

MEMBER

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Southern Association of Colleges and Schools

American Association of Colleges for Teacher Education

American Council on Education

National Council for Accreditation of Teacher Education

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**College Calendar, 1963-64****FIRST SEMESTER**

September 7	Saturday	Registration of part-time students for night and Saturday classes.
September 9	Monday	Freshman Orientation begins. (All freshmen are expected to report at Button Auditorium at 9:00 A.M.)
September 11 and 12	Wednesday and Thursday A.M.	Freshman registration.
September 12 and 13	Thursday P.M. and Friday	Registration of other students.
September 16	Monday	Classes begin. Last day to register for full load.
September 23	Monday	Last day to register for credit.
October 7	Monday	Students who drop courses after this date automatically receive marks of "E" in the courses dropped.
October 14	Monday	Freshman grade reports to the Dean of the College.
November 11	Monday	Mid-term grade reports to the Registrar.
November 27	Wednesday	Thanksgiving holiday begins at 12:00 M.
December 2	Monday	Class work resumed at 8:00 A.M.
December 21	Saturday	Christmas holiday begins at 12:00 M.
January 6	Monday	Class work resumed at 8:00 A.M.
January 16	Thursday	Final examinations begin.
January 22	Wednesday	All grades due in the Registrar's Office at 12:00 M.
January 25	Saturday	First semester closes.

**SECOND SEMESTER**

January 25	Saturday	Registration of part-time students for night and Saturday classes. Orientation of new students.
January 27	Monday	Registration of freshmen.
January 28	Tuesday	Registration of other students.
January 29	Wednesday	Classes begin. Last day to register for full load.
February 5	Wednesday	Last day to register for credit.
February 24	Monday	Students who drop courses after this date automatically receive marks of "E" in the courses dropped.
March 30	Monday	Mid-term grade reports to the Registrar.
April 4	Saturday	Spring vacation begins at 12:00 M.
April 13	Monday	Class work resumed at 8:00 A.M.
May 25	Monday	Final examinations begin.
May 30	Saturday	Second Semester closes at 12:00 M.

**SUMMER TERM**

June 15	Monday	Registration for the summer term.
August 7	Friday	Summer term closes.

**College Calendar, 1964-65****FIRST SEMESTER**

September 12	Saturday	Registration of part-time students for night and Saturday classes.
September 14	Monday	Freshman Orientation begins. (All freshmen are expected to report at Button Auditorium at 9:00 A.M.)
September 16 and 17	Wednesday and Thursday A.M.	Freshman registration.
September 17 and 18	Thursday P.M. and Friday	Registration of other students.
September 21	Monday	Classes begin. Last day to register for full load.
September 28	Monday	Last day to register for credit.
October 12	Monday	Students who drop courses after this date automatically receive marks of "E" in the courses dropped.
October 19	Monday	Freshman grade reports to the Dean of the College.
November 16	Monday	Mid-term grade reports to the Registrar.
November 25	Wednesday	Thanksgiving holiday begins at 12:00 M.
November 30	Monday	Class work resumed at 8:00 A.M.
December 19	Saturday	Christmas holiday begins at 12:00 M.
January 4	Monday	Class work resumed at 8:00 A.M.
January 21	Thursday	Final examinations begin.
January 27	Wednesday	All grades due in the Registrar's Office at 12:00 M.
January 30	Saturday	First semester closes at 12:00 M.

**SECOND SEMESTER**

January 30	Saturday	Registration of part-time students for night and Saturday classes.
January 30	Saturday	Orientation of new students.
February 1	Monday	Registration of freshmen.
February 2	Tuesday	Registration of other students.
February 3	Wednesday	Classes begin. Last day to register for full load.
February 10	Wednesday	Last day to register for credit.
March 1	Monday	Students who drop courses after this date automatically receive marks of "E" in the courses dropped.
April 3	Saturday	Mid-term grade reports to the Registrar.
April 3	Saturday	Spring vacation begins at 12:00 M.
April 12	Monday	Class work resumed at 8:00 A.M.
May 31	Monday	Final examinations begin.
June 5	Saturday	Second Semester closes at 12:00 M.

**SUMMER TERM**

June 14	Monday	Registration for the summer term.
August 6	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
DAVID H. DORTON.....	Paintsville, Kentucky
CHARLES W. GILLEY.....	Winchester, 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
REEDUS BACK .....	Director of Training School
IONE M. CHAPMAN.....	Librarian
B. J. HALL.....	Director of Alumni Relations
PALMER L. HALL.....	Director of Graduate Study
RAY HORNBACK .....	Assistant to the President
RUSSELL R. McCLURE.....	Assistant to the President
HARRY MAYHEW .....	Associate Director of Public Information
MONROE WICKER .....	Director of School Relations
ROBERT E. WOOSLEY.....	Director of In-Service Education

### STUDENT PERSONNEL SERVICES

ROGER L. WILSON.....	Dean of Students
EARLYNE SAUNDERS .....	Associate Dean of Students
MARY A. WATSON.....	Director of Allie Young Hall
GENEVA MEADE .....	Director of Fields Hall
MILDRED GRAVES .....	Director of Thompson Hall
GEORGE M. LUCKEY.....	Director of East Men's Hall
WILLIAM C. HAMPTON.....	Director of North Men's Hall
GARY NORTH .....	Director of Wilson Hall
NELL R. HARDING.....	Director of Mignon Hall
WILLIAM J. MACK.....	Director of Doran Student House
WILMA CAUDILL .....	School Nurse

### REGISTRAR'S OFFICE

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

### BUSINESS MANAGEMENT

HERBERT H. HOGAN.....	Business Manager
ROBERT W. STOKES.....	Assistant Business Manager
FRANK E. HAMILTON.....	Accountant
IVAL D. BRYANT.....	Cashier
ETHEL ADKINS .....	Order Writer
NIKA JEAN POTTS.....	Code Clerk
BETTY HILL .....	Machine Operator
MILDRED TUCKER .....	Telephone Operator
JOHN E. COLLIS.....	Bookstore Manager
GEORGE P. GAREY.....	Cafeteria Director
W. H. RICE.....	Superintendent of Buildings and Grounds
ALVIN MCGARY .....	Director of Maintenance



## SECRETARIES

JOYCE HART	-----	<i>President's Office</i>
SUE SALYER	-----	<i>President's Office</i>
ANNA LEE BAYS	-----	<i>Office of Dean of the College</i>
DORIS WELLS	-----	<i>Office of Dean of Students</i>
VIRGINIA CAUDILL	-----	<i>Business Office</i>
JOYCE ANN MILLER	-----	<i>Business Office</i>
GRETA CARPENTER	-----	<i>Registrar's Office</i>
LINDA ROETH	-----	<i>Training School</i>
CAROL PIERCE	-----	<i>Public Relations</i>
GRACE SUBLETT	-----	<i>School Relations</i>
JEANETTE MCPEEK	-----	<i>School Relations</i>
BARBARA DANIEL	-----	<i>Library</i>
EDITH WILLIAMS	-----	<i>Division of Applied Arts</i>
PATSY M. KNIGHT	-----	<i>Division of Education</i>
BILLY JO GREGORY	-----	<i>Division of Fine Arts</i>
MARY MONTGOMERY	-----	<i>Division of Health and Physical Education</i>
SHIRLEY WETZEL	-----	<i>Division of Languages and Literature</i>
BETTY PHILLEY	-----	<i>Division of Science and Mathematics</i>
ANNA B. CARTER	-----	<i>Alumni Office</i>

## *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
- HOBART W. ADAMS, B.S., M.B.A.-----*Assistant Professor*  
 B.S., Kent State University, 1949 *of Commerce*  
 M.B.A., Indiana University, 1951  
 Morehead State College since 1962
- DEE ASHLEY AKERS, A.B., L.L.B., Ph.D.-----*Associate Professor*  
 A.B., University of Kentucky, 1948 *of Economics and*  
 L.L.B., University of Kentucky, 1950 *Political Science*  
 Ph.D., University of Kentucky, 1962  
 Morehead State College since 1962
- LILIALYCE S. AKERS, A.B., A.M., Ph.D.-----*Associate Professor*  
 A.B., Wheaton College (Illinois), 1942 *of Sociology*  
 A.M., University of Kentucky, 1949  
 Ph.D., University of Kentucky, 1955  
 Morehead State College since 1962
- JOHN E. ALLEN, A.B., A.M.-----*Assistant Professor of*  
 A.B., Morehead State College, 1950 *Education, Supervis-*  
 A.M., Morehead State College, 1955 *ing Teacher of*  
 Morehead State College since 1954 *Physical Education*
- 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
- JOHN S. ANDERSON, B.S., M.S.-----*Instructor in Physical*  
 B.S., Maryville College (Tenn.), 1957 *Education*  
 M.S., Florida State University, 1960  
 Morehead State College since 1961
- MARY TUTTLE ANDERSON, B.E., A.M.-----*Assistant Professor of*  
 B.E., Normal University (Illinois), 1937 *Education, Supervis-*  
 A.M., Teachers College, Columbia *ing Teacher,*  
 University, 1944 *Fourth Grade*  
 Morehead State College since 1952

- REEDUS BACK, B.S., M.S.-----Assistant Professor of  
 B.S., Berea College, 1948 Education, Director  
 M.S., University of Kentucky, 1957 of the Training  
 Morehead State College since 1962 School
- PAUL JERALD BANGHAM, A.B., A.M.-----Instructor in Speech  
 A.B., Ohio State University, 1957 and Dramatic Arts  
 A.M., Ohio State University, 1959  
 Morehead State College since 1961
- MABEL WILLIAMS BARBER, A.B., A.M.-----Instructor in Education,  
 A.B., Morehead State College, 1938 Supervising Teacher  
 A.M., Morehead State College, 1957 in Social Science  
 Morehead State College since 1960
- WOODROW W. BARBER, B.S., A.M.-----Instructor in Science  
 B.S., Morehead State College, 1938  
 A.M., Morehead State College, 1961  
 Morehead State College since 1961
- JAMES ROSS BEANE, B.M., M.M.-----Assistant Professor of  
 B.M., Stetson University, 1957 Music  
 M.M., Louisiana State University, 1959  
 Morehead State College since 1959
- EARL J. BENTLEY, B.S., M.S.-----Assistant Professor of  
 B.S., Troy State College, 1955 Physical Education,  
 M.S., University of Tennessee, 1956 Coach of Track  
 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  
 A.B., Morehead State College, 1953 Science, Training  
 A.M., Morehead State College, 1955 School Librarian  
 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  
 A.B., Western (Ky.) State College, 1928 Home Economics,  
 B.S., Western (Ky.) State College, 1931 Head of Department  
 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
- DALE G. BREADEN, A.B., A.M.-----*Instructor in History*  
A.B., University of Kentucky, 1958  
A.M., The Johns Hopkins University, 1961  
Morehead State College since 1961
- ELIZABETH CRADDOCK CASALE, B.S., A.M., Ph.D.----*Associate Professor of  
English*  
B.S., Memphis State University, 1930  
A.M., George Peabody College, 1936  
Ph.D., Vanderbilt University, 1948  
Morehead State College since 1962
- THELMA C. CAUDILL, A.B., A.M.-----*Assistant Professor of  
Education*  
A.B., Morehead State College, 1938  
A.M., Morehead State College, 1957  
Morehead State College since 1958
- JOYCE B. CHANEY, A.B., A.M.-----*Instructor in English*  
A.B., Morehead State College, 1958  
A.M., Morehead State College, 1961  
Morehead State College since 1961
- REX CHANEY, A.B., A.M.-----*Instructor in Physical  
Education, Coach of  
Baseball*  
A.B., Morehead State College, 1957  
A.M., Morehead State College, 1961  
Morehead State College since 1961
- JAMES CHAPLIN, B.S., M.S.-----*Instructor in Science*  
B.S., Cornell College (Iowa), 1959  
M.S., University of Houston, 1962  
Morehead State College since 1962
- 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.-----*Assistant Professor of  
 Commerce*  
 B.S., University of Kentucky, 1954  
 M.B.A., University of Kentucky, 1958  
 Morehead State College since 1958
- JAMES R. COOLEY, A.B., M.S.-----*Instructor in Science*  
 A.B., Marshall University, 1955  
 M.S., Marshall University, 1958  
 Morehead State College since 1962
- 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
- LARRY N. DALES, A.B.-----*Instructor in Art,  
 Training School*  
 A.B., Morehead State College, 1962  
 Morehead State College since 1962
- ROBERT C. DALZELL, B.S., M.S., Ph.D.-----*Assistant Professor of  
 Biology*  
 B.S., University of Pittsburgh, 1941  
 M.S., Pennsylvania State University, 1956  
 Ph.D., Pennsylvania State University, 1957  
 Morehead State College since 1962
- JAMES E. DAVIS, A.B., A.M.-----*Instructor in English*  
 A.B., Morehead State College, 1955  
 A.M., Morehead State College, 1959  
 Morehead State College since 1961
- 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  
 A.B. University of Kentucky, 1928      Education, Supervising  
 A.M., University of Kentucky, 1932      Teacher in  
 Morehead State College since 1936      English
- DOUGLAS R. DIEHL, B.S., M.M. -----Instructor in Music  
 B.S., Ithaca College, 1954  
 M.M., Indiana University, 1962  
 Morehead State College since 1962
- JOHNSON E. DUNCAN, B.M.E., M.M., Ph.D. -----Professor of Music,  
 B.M.E., Northwestern University, 1941      Chairman of Division of  
 M.M., Northwestern University, 1946      Fine Arts  
 Ph.D., George Peabody College, 1953  
 Morehead State College since 1956
- MARGARET GRIFFITHS DUNLAP, B.S., Ed.M. -----Assistant Professor of  
 B.S., Slippery Rock State Teachers College,      Physical Education  
 1935  
 Ed.M., University of Pittsburgh, 1939  
 Morehead State College since 1960
- THELMA EVANS, A.B., A.M. -----Assistant Professor of  
 A.B., University of Kentucky, 1930      Education, Supervising  
 A.M., University of Kentucky, 1940      Teacher First  
 Morehead State College since 1943      Grade
- 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  
 A.B., Arkansas State Teachers College, 1925      Mathematics,  
 A.M., George Peabody College, 1930      Registrar  
 Morehead State College since 1932
- WILLIAM R. FALLS, B.S., A.M. -----Instructor in Science  
 B.S., Rio Grande College (Ohio), 1953  
 A.M., Marshall University, 1959  
 Morehead State College since 1961
- NEVILLE FINCEL, A.B., A.M. -----Associate Professor  
 A.B., University of Kentucky, 1921      of Economics  
 A.M., University of Kentucky, 1932  
 Morehead State College since 1930
- DONALD F. FLATT, A.B., A.M. -----Instructor in History  
 A.B., Morehead State College, 1959  
 A.M., Morehead State College, 1960  
 Morehead State College since 1962

- ZENAS BRENT FRY, A.B., A.M. -----Assistant Professor  
 A.B., Marietta College, 1953 of Speech  
 A.M., Miami University, 1954  
 Morehead State College since 1959
- JOHN G. FRYMAN, A.B., M.S. -----Instructor in  
 A.B., Morehead State College, 1956 Mathematics  
 M.S., University of South Carolina, 1962  
 Morehead State College since 1962
- ERCY GLENN FULBRIGHT, B.S., B.M., M.M. -----Associate Professor  
 B.S., Abilene Christian College, 1947 of Music  
 B.M., Northwestern University, 1950  
 M.M., Indiana University, 1953  
 Morehead State College since 1960
- HELEN F. FULBRIGHT, B.M.E., M.M. -----Instructor in Music  
 B.M.E., Murray State College, 1945  
 M.M., American Conservatory of Music, 1946  
 Morehead State College since 1961
- JOHN P. GARTIN, B.S., A.M. -----Assistant Professor of  
 B.S., Morehead State College, 1958 Geography  
 A.M., Morehead State College, 1959  
 Morehead State College since 1959
- OCTAVIA GRAVES, A.B., A.M. -----Associate Professor  
 A.B., Morehead State College, 1938 of Education  
 A.M., George Peabody College, 1939  
 Morehead State College since 1946
- PATRICIA GROSS, B.S., M.S. -----Instructor in Home  
 B.S., Mississippi State College for Women, Economics  
 1951  
 M.S., University of Alabama, 1958  
 Morehead State College since 1961
- C. NELSON GROTE, B.S., M.Ed., Ed.D. -----Professor of Applied  
 B.S., Eastern Illinois University, 1950 Arts, Chairman of  
 M.Ed., University of Missouri, 1955 Division of Applied  
 Ed.D., University of Illinois, 1960 Arts  
 Morehead State College since 1960
- CLYDE HACKLER, B.S., A.M. -----Instructor in  
 B.S., Eastern Kentucky State College, 1959 Industrial Arts  
 A.M., University of Illinois, 1960  
 Morehead State College since 1961

- 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, Director of Home Management House*  
 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. ----- *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

- WILLIAM R. HIGGINS, B.S., A.M. -----Assistant Professor of  
B.S., Troy State College, 1957 English  
A.M., Tulane University, 1959  
Morehead State College since 1961
- DONALD F. HOLLOWAY, A.B., A.M. -----Instructor in Speech  
A.B., Morehead State College, 1956  
A.M., Morehead State College, 1958  
Morehead State College since 1958
- RAYMOND R. HORNBACK, A.B., A.M. -----Instructor in Journal-  
ism, Assistant to  
A.B., University of Kentucky, 1956 the President  
A.M., University of Kentucky, 1963  
Morehead State College since 1956
- KEITH HUFFMAN, A.B., A.M. -----Associate Professor of  
A.B., Morehead State College, 1943 Music  
A.M., University of Iowa, 1947  
Morehead State College since 1947
- FRANCES VIRGINIA IRONS, B.S., M.S. -----Assistant Professor of  
B.S., University of North Carolina Women's Home Economics  
College, 1934  
M.S., Virginia Polytechnic Institute, 1959  
Morehead State College since 1962
- CHARLES J. JENKINS, B.S., M.S. -----Assistant Professor of  
B.S., Alabama Polytechnic Institute, 1951 Chemistry  
M.S., Alabama Polytechnic Institute, 1955  
Morehead State College since 1959
- CHARLES JONES, A.B., A.M. -----Instructor in Educa-  
tion, Supervising  
A.B., Morehead State College, 1960 Teacher of Mathe-  
A.M., Morehead State College, 1961 matics  
Morehead State College since 1962
- LAKE KELLY, B.S., A.M. -----Instructor in Physical  
Education, Coach of  
B.S., Georgia Institute of Technology, 1956 Freshman Basketball  
A.M., Morehead State College, 1961  
Morehead State College since 1962
- WILLIAM R. KERR, A.B., A.M., -----Assistant Professor of  
A.B., Furman University, 1951 Physical Education  
A.M., Furman University, 1956  
Morehead State College since 1962
- ROY L. KIDD, A.B., A.M. -----Instructor in Physical  
Education  
A.B., Eastern Kentucky State College, 1955  
A.M., Eastern Kentucky State College, 1961  
Morehead State College since 1962

- JAMES F. KURFEES, A.B., M.D. ----- *Associate Professor of  
Biology*  
A.B., University of Louisville, 1952  
M.D., University of Louisville, 1956  
Morehead State College since 1962
- ALLEN L. 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
- JOSEPH A. LAPAGE, A.B., A.M. ----- *Assistant Professor of  
History*  
A.B., University of Missouri, 1950  
A.M., University of Missouri, 1954  
Morehead State College since 1962
- 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
- PERRY E. LEROY, A.B., A.M., Ph.D. ----- *Assistant Professor of  
History*  
A.B., University of Conn., 1952  
A.M., Ohio State University, 1953  
Ph.D., Ohio State University, 1960  
Morehead State College since 1961
- ADAM F. LEVENGOOD, A.B., M.Ed., Ph.D. ----- *Associate Professor of  
French*  
A.B., University of Grenoble, France, 1937  
M.Ed., University of Grenoble, France, 1939  
Ph.D., University of Paris, France, 1950  
Morehead State College since 1962
- ALEXANDER A. LESUEUR, B.M., M.M. ----- *Assistant Professor of  
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. ----- *Assistant Professor of  
Spanish*  
A.B., University of Kentucky, 1951  
A.M., University of Kentucky, 1954  
Morehead State College since 1959



- 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
- GEORGE M. LUCKEY, A.B., A.M. ----- *Instructor in*  
 A.B., Murray (Kentucky) State College, 1957 *Philosophy*  
 A.M., University of Kentucky, 1959  
 Morehead State College since 1961
- WILLIAM J. MACK, A.B., A.M. ----- *Assistant Professor of*  
 A.B., Morehead State College, 1947 *Physical Education,*  
 A.M., University of Kentucky, 1948 *Director of Doran*  
 Morehead State College since 1957 *Student House*
- 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
- SANDRA MANBURG, A.B., A.M. ----- *Instructor in Speech*  
 A.B., Ohio State University, 1959 *and Drama*  
 A.M., Ohio State University, 1961  
 Morehead State College since 1962
- FRANKLIN M. MANGRUM, A.B., Ph.D. ----- *Professor of Philosophy*  
 A.B., Washington University, 1949  
 Ph.D., University of Chicago, 1957  
 Morehead State College since 1959
- DONALD L. MARTIN, B.S., M.S. ----- *Assistant Professor of*  
 B.S., Southern Illinois University, 1952 *Geography*  
 M.S., Southern Illinois University, 1953  
 Morehead State College since 1957
- FRED MARZAN, B.M., M.M. ----- *Assistant Professor of*  
 B.M., Eastman School of Music, 1952 *Music*  
 M.M., University of Michigan, 1956  
 Morehead State College since 1956
- ELIZABETH ELLIOTT MAYO, A.B., M.S. ----- *Assistant Professor of*  
 A.B., Transylvania College, 1925 *Mathematics and*  
 M.S., University of Chicago, 1926 *Physics*  
 Morehead State College since 1959
- JESSE T. MAYS, A.B., A.M. ----- *Assistant Professor of*  
 A.B., Union College, 1931 *Industrial Arts*  
 A.M., George Peabody College, 1933 *Head of Department*  
 Morehead State College since 1933

- DELORES JO MOORE, B.S., A.M. ----- *Instructor in Education,  
B.S., Bob Jones University (South Carolina), 1951  
A.M., Marshall University, 1961  
Morehead State College since 1962*  
*Teacher of Second Grade*
- ETHEL J. MOORE, A.B., A.M. ----- *Assistant Professor of  
A.B., Western (Ky.) State College, 1932  
A.M., University of Kentucky, 1954  
Morehead State College since 1955*  
*Latin*
- EDWARD E. MORROW, A.B., A.M. ----- *Instructor in English  
A.B., Peabody College, 1951  
A.M., Peabody College, 1952  
Morehead State College since 1961*
- ROBERT MUMPER, B.S., A.M. ----- *Instructor in Music  
B.S., Ohio State University, 1960  
A.M., Ohio State University, 1961  
Morehead State College since 1961*
- ROBERT C. NEEDHAM, A.B., A.M. ----- *Assistant Professor of  
A.B., Transylvania College, 1949  
A.M., Morehead State College, 1957  
Morehead State College since 1961*  
*Education*
- RONALD EUGENE NELSON, B.S., A.M. ----- *Assistant Professor of  
B.S., Southern Illinois University, 1957  
A.M., Southern Illinois University, 1959  
Morehead State College since 1960*  
*Geography*
- HAZEL NOLLAU, B.S., M.S. ----- *Assistant Professor of  
B.S., University of Kentucky, 1934  
M.S., University of Kentucky, 1935  
Morehead State College since 1943*  
*Education, Supervising Teacher of Science*
- MORRIS LEE NORFLEET, B.S., M.S., Ph.D. ----- *Associate Professor of  
B.S., University of Kentucky, 1952  
M.S., Purdue University, 1957  
Ph.D., Purdue University, 1962  
Morehead State College since 1962*  
*Education and Director of Student Teaching*
- WILLIAM BURR OWSLEY, B.S., A.M., Ph.D. ----- *Professor of Biology,  
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*  
*Chairman of Division of Science and Mathematics*

- BEN KEATON PATTON, JR., A.B., A.M., Ph.D. -----Associate Professor of  
 A.B., Louisiana State University, 1946 Education  
 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 Professor of  
 A.B., Louisiana State University, 1947 Psychology  
 A.M., University of Mississippi, 1950  
 M.S., Louisiana State University, 1955  
 Morehead State College since 1960
- LAMAR BISHOP PAYNE, B.S., M.S., Ph.D. -----Assistant Professor of  
 B.S., Auburn University, 1953 Chemistry  
 M.S., Auburn University, 1955  
 Ph.D., University of Alabama, 1962  
 Morehead State College since 1962
- CHARLES PELFREY, A.B., A.M., Ph.D. -----Associate Professor of  
 A.B., Morehead State College, 1949 English  
 A.M., University of Kentucky, 1950  
 Ph.D., University of Kentucky, 1958  
 Morehead State College since 1962
- ANN G. PEMBERTON, B.S., M.S. -----Assistant Professor of  
 B.S., Tennessee Polytechnical Institute, 1953 Physical Education  
 M.S., George Peabody College, 1957  
 Morehead State College since 1957
- GUY D. PENNY, B.S., A.M. -----Assistant Professor of  
 B.S., University of Mississippi, 1950 Physical Education,  
 A.M., University of Mississippi, 1958 Coach of Football  
 Morehead State College since 1959
- JAMES M. PESCOR, B.M., M.M. -----Assistant Professor of  
 B.M., University of Texas, 1958 Music  
 M.M., University of Texas, 1960  
 Morehead State College since 1962
- 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. -----Associate Professor of  
 A.B., Athens College, 1937 Chemistry  
 A.M., George Peabody College, 1950  
 Morehead State College since 1951

- ROSCOE PLAYFORTH, A.B., A.M., Ed.D. -----*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
- LLOYD FRANK POSEY, B.S., A.M., Ed.D. -----*Associate Professor of*  
 B.S., University of Alabama, 1951 *Education*  
 A.M., George Peabody College, 1958  
 Ed.D., George Peabody College, 1960  
 Morehead State College since 1962
- JAMES F. PRINCE, A.B., A.M. -----*Assistant Professor of*  
 A.B., University of South Carolina, 1942 *English*  
 A.M., University of South Carolina, 1947  
 Morehead State College since 1957
- CLIFFORD R. RADER, A.B., A.M., Ph.D. -----*Professor of History*  
 A.B., Eastern (Ky.) State College, 1934 *and Government,*  
 A.M., University of Kentucky, 1937 *Chairman of Di-*  
 Ph.D., University of Kentucky, 1945 *vision of Social*  
 Morehead State College since 1947 *Studies*
- FRED D. RAGAN, B.S., A.M. -----*Instructor in History*  
 B.S., East Carolina College, 1959  
 A.M., East Carolina College, 1960  
 Morehead State College since 1961
- CHARLES M. RAY, A.B., M.S. -----*Instructor in*  
 A.B., Bowling Green College of Commerce, *Commerce*  
 1960  
 M.S., Indiana University, 1961  
 Morehead State College since 1962
- VIRGINIA RICE, B.S., M.S. -----*Assistant Professor of*  
 B.S., University of Kentucky, 1927 *Education, Super-*  
 M.S., University of Kentucky, 1952 *vising Teacher of*  
 Morehead State College since 1947 *Home Economics*
- NORMAN N. ROBERTS, B.S., M.S. -----*Assistant Professor of*  
 B.S., Morehead State College, 1950 *Industrial Arts*  
 M.S., The Stout Institute, 1951  
 Morehead State College since 1952

- THOMAS F. ROGERS, A.B., A.M. ----- *Instructor in English*  
 A.B., Morehead State College, 1940  
 A.M., University of Kentucky, 1948  
 Morehead State College since 1961
- ROWLAND ROYAL, Ph.D. ----- *Reference Librarian*  
 Ph.D., University of Mainz, 1953  
 Morehead State College since 1963
- EARLYNE SAUNDERS, A.B., A.M. ----- *Assistant Professor of*  
 A.B., Morehead State College, 1937 *Psychology, Associ-*  
 A.M., University of Kentucky, 1958 *ate Dean of Students*  
 Morehead State College since 1958
- VIOLET C. SEVERY, B.M., M.M. ----- *Assistant Professor of*  
 B.M., University of Redlands, 1934 *Music*  
 M.M., University of Redlands, 1956  
 Morehead State College since 1956
- HOLLIE W. SHARPE, B.S., A.M., Ed.D. ----- *Associate Professor of*  
 B.S., George Peabody College for Teachers, *Commerce*  
 1950  
 A.M., George Peabody College for Teachers, 1952  
 Ed.D., University of Tennessee, 1961  
 Morehead State College since 1961
- ERA MAE SMELLEY, B.S., A.M. ----- *Assistant Professor of*  
 B.S., Stephen F. Austin State College, 1935 *Education, Supervis-*  
 A.M., Stephen F. Austin State College, 1941 *ing Teacher*  
 Morehead State College since 1948 *Fifth Grade*
- MARY LOU SMITH, A.B., A.M. ----- *Instructor in Speech*  
 A.B., University of Oklahoma, 1958 *and Dramatic Art*  
 A.M., University of Oklahoma, 1961  
 Morehead State College since 1962
- BEATRICE ANN SPRIGGS, A.B., A.M. ----- *Assistant Librarian*  
 A.B., Mary Hardin-Baylor College (Texas), 1949  
 A.M., University of Denver (Colorado), 1953  
 Morehead State College since 1962
- JOHN KESSLER STETLER, B.M., M.M. ----- *Assistant Professor of*  
 B.M., Cincinnati Conservatory, 1951 *Music*  
 M.M., University of Wichita, 1953  
 Morehead State College since 1959
- ALBERT F. STEWART, A.B., A.M. ----- *Associate Professor of*  
 A.B., Berea College, 1936 *English*  
 A.M., University of Kentucky, 1953  
 Morehead State College since 1956



- LAWRENCE R. STEWART, A.B., A.M., Ed.M., 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
- WILLIAM J. SVEC, JR., A.B., A.M. *Instructor in Music*  
 A.B., Morehead State College, 1961  
 A.M., Morehead State College, 1962  
 Morehead State College since 1962
- 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
- HARRY M. WARD, A.B., A.M., Ph.D. *Assistant Professor of History*  
 A.B., William Jewell College (Mo.) 1951  
 A.M., Columbia University, 1954  
 Ph.D., Columbia University, 1960  
 Morehead State College since 1961
- 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

- BETTY JEAN WELLS, A.B., A.M. ----- *Instructor in English*  
 A.B., Morehead State College, 1960  
 A.M., Morehead State College, 1961  
 Morehead State College since 1962
- HAZEL WHITAKER, A.B., A.M. ----- *Assistant Professor of*  
*Education, Director*  
 A.B., Morehead State College, 1940  
 A.M., Morehead State College, 1950  
 Morehead State College since 1950  
*of Testing Bureau*
- HAROLD L. WHITEMAN, B.S., A.M. ----- *Instructor in*  
*Geography*  
 B.S., Ball State College, 1961  
 A.M., Ball State College, 1962  
 Morehead State College since 1962
- MONROE WICKER, A.B., A.M. ----- *Associate Professor of*  
*Education, Director*  
 A.B., Tusculum College, 1930  
 A.M., University of Kentucky, 1940  
 Morehead State College since 1947  
*of School Relations*
- SHERRELL R. WILKES, B.S., B.S. in Ed., A.M. ----- *Assistant Professor of*  
*English*  
 B.S., John Hopkins University, 1937  
 B.S. in Ed., Ohio State University, 1940  
 A.M., Ohio State, 1941  
 Morehead State College since 1961
- 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. --- *Associate Professor of*  
*Education, Director*  
 B.S., University of Maryland, 1943  
 A.M., New York University, 1947  
 Ed.D., Colorado State College, 1959  
 Morehead State College since 1960  
*of Guidance*
- BOBBY JO WILSON, B.S., M.S. ----- *Instructor in*  
*Commerce*  
 B.S., Georgia State College for Women, 1957  
 M.S., University of Tennessee, 1961  
 Morehead State College since 1961
- LELA CULLIS WILSON, B.S. ----- *Assistant Librarian*  
 B.S., University of Kentucky, 1930  
 Morehead State College since 1962

- 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
- ROBERT E. WOOSLEY, A.B., A.M. ----- *Assistant Professor of  
Education, Director  
of In-Service  
Education*  
A.B., Western (Ky.) State College, 1934  
A.M., University of Kentucky, 1950  
Morehead State College since 1959
- K. DON WORSENCROFT, B.S., M.S. ----- *Instructor in Physics*  
B.S., Idaho State College, 1958  
M.S., Idaho State College, 1962  
Morehead State College since 1962
- 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

### FACULTY EMERITI

- 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 1936 to 1962
- CATHERINE L. BRAUN, B.S. ----- *Instructor in Geography*  
B.S., George Peabody College, 1926  
Morehead State College, 1923 to 1957
- WILLIAM M. CAUDILL, B.S., M.S. ----- *Director of Extension*  
B.S., George Peabody College, 1922  
M.S., University of Chicago, 1927  
Morehead State College, 1948 to 1957
- INEZ FAITH HUMPHREY, A.B., A.M. ----- *Associate Professor  
of English*  
A.B., Eureka College, 1910  
A.M., University of Chicago, 1927  
Morehead State College, 1923 to 1951

- AMY IRENE MOORE, B.S., A.M.-----*Instructor in Education,*  
 B.S., Kansas State Teachers College, 1917 *Supervising Teacher*  
 A.M., University of Chicago, 1925 *of Mathematics*  
 Morehead State College, 1932 to 1957
- PAUL C. OVERSTREET, A.B., M.S.-----*Assistant Professor of*  
 A.B., Asbury College, 1913 *Mathematics and*  
 M.S., University of Iowa, 1925 *Physics*  
 Morehead State College, 1946 to 1962
- ELLA O. WILKES, B.S., M.S.-----*Associate Professor of*  
 B.S., George Peabody College, 1924 *Geography, Head of*  
 M.S., University of Chicago, 1931 *Department*  
 Morehead State College, 1932 to 1962

### COMMITTEES

- Administrative Council*—Doran, Cooper, Hogan, Hornback, Lappin, Martin, A. Stewart, Wicker, Wilson, President of the Student Council, and President of the Senior Class.
- Faculty Organization*—A. Stewart, Bolin, Graves, Heaslip, Huffman, Laughlin, and Mangrum.
- Coordinating Council*—Lappin, Boswell, Duncan, Grote, Herrold, Owsley, Rader, and L. Stewart.
- Graduate Council*—P. Hall, Boswell, Grote, Lappin, Owsley, Playforth, Walter, and T. Young.
- Library*—Lake, Chapman, Fulbright, Luckey, Maggard, Sharpe, and three students.
- Curriculum and Instruction*—Lappin, Bentley, Bolin, Claypool, Duncan, Fair, Graves, Heaslip, Mangrum, E. Moore, Nollau, B. Patton, Rader, Stetler, L. Stewart, Waltz, and five students.
- Sub-Committee on Teacher Education—L. Stewart, Bentley, Bolin, Duncan, Nollau, Stetler, Waltz.
- Sub-Committee on Academic Guidance—E. Moore, Claypool, Fair, Graves, B. Patton, Rader.
- Sub-Committee on Honors Program—Lappin, Duncan, Graves, Heaslip, Mangrum, Stetler.
- Student Life*—Wilson, Gartin, Gross, Hampton, Hardin, Luckey, Mack, Meade, North, Pemberton, Philley, Saunders, Jo Wilson, and six students.
- Athletics*—Playforth, Day, Fair, Hogan, Lappin, Laughlin, Rice, and two students.
- Public Affairs*—Wicker, Beane, Breaden, Finsel, B. Hall, Hornback, Tant, Woosley, Editor of Trail Blazer, and Editor of Raconteur.
- Research*—Conyers, Fry, P. Hall, Kerr, Mayo, Pelfrey, and Ward.

### *Aims and Objectives of the College*

The programs at Morehead are founded upon certain fundamental beliefs concerning the components of adequate offerings at the college level. Among these beliefs are:

1. A sound basic education should be available to all college students and this core of learning should be included in all programs regardless of the ultimate student objective.
2. Each student should develop particular proficiency in some area of subject matter.
3. Such other experiences should be provided as will assure the development of the individual student into a useful and effective member of a democratic society.
4. Each student should be provided with the most accurate information possible concerning his capabilities and the opportunities available to him.
5. In meeting its obligation as a teacher preparing institution the college must see to it that those students who show unusual promise are encouraged to enter the teaching profession, and conversely that those who do not have the desired potential are guided into preparation programs more suitable for them.
6. Morehead is committed to the idea that, in addition to the prerequisites of a sound basic education and subject-matter mastery, the successful teacher must be effective in the use of classroom and teaching techniques and be a student of the ways in which learners grow and progress.
7. The College subscribes to the belief that the teaching profession is second to none in the service it renders to society, and that the highest standards of professional behavior should be an integral portion of the training program provided for those who are to practice the art of teaching in the schools.
8. In fulfilling her position of leadership Morehead State College is concerned with the improvement of her service area by developing leaders in all phases of community life, by providing consultive service to the schools of the area, by contributing to the upgrading of school personnel, by serving as an avenue of communication for groups concerned with

community development and by taking the programs and personnel of the College to the communities of the area in any way that offers promise of mutual value.

9. As an extension of undergraduate work, particularly in the direction of specialization, general education and research, a fifth year of training, leading to the professional degree of A.M. in Education, is available for holders of the bachelor's degree who are able to meet the requirements of the graduate school.

Specifically the goals of the graduate program are—

- a. Emphasize the abilities to read and think critically—judge values and limitations.
- b. Improve the skills required for clear and concise expression—correct and coherent exposition.
- c. Familiarize the student with the basic principles and techniques of research as well as the recognized forms for reporting research findings.
- d. Develop the ability to recognize problems and improve the facility for gathering data, organizing these data, and reporting logical results and conclusions.
- e. Encourage creative thinking, initiative, resourcefulness and responsibility on the part of the student.
- f. Strengthen the undergraduate preparation, particularly in those areas in which the student may be weak.
- g. Broaden the student's general education.
- h. Develop an awareness, and stress the significance, of current knowledge and developments—the importance of being an informed person.



## **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.

### **ALLIE YOUNG HALL**

This women's residence hall, built in 1926, has 68 rooms, a director's apartment, and a large lobby. The art department is housed on the ground floor of the structure which was named for

Judge Allie W. Young, to whom goes much of the credit for the establishment of the college in Morehead.

#### **FIELDS HALL**

A women's residence hall, this structure has 80 rooms, a director's apartment, lobby, and a 20-bed infirmary located on the ground floor. The building, completed in 1927, was named in honor of Mrs. William Jason Fields, wife of a governor and the first woman appointed to the Board of Regents.

#### **THOMPSON HALL**

This 82-room women's residence hall was first occupied in 1927 and was named for J. H. Thompson who served as Speaker of the House of Representatives at the time the bill was passed which authorized the establishment of the college.

#### **EAST MEN'S HALL**

Containing 99 rooms and a director's apartment, this four-story men's residence hall was completed in 1937. The structure was completely redecorated and refurnished recently as have all of the older residence halls.

#### **NORTH MEN'S HALL**

Morehead's largest residence hall, this 201-room structure also contains a director's apartment, a large lobby, and the necessary auxiliary facilities to provide unusually attractive living quarters for male students. The building was completed in 1960.

#### **LAKWOOD TERRACE**

This 118-unit addition to the campus provides living quarters for married students and faculty members at nominal rental charges. Completed in 1960, nine of the structures in Lakewood Terrace were named for the original eight members of the college faculty, and the Secretary to the President. They were: Charles D. Lewis, Henry C. Haggan, Charles O. Peratt, D. M. Holbrook, Inez Faith Humphrey, Evelyn Royalty, Emma Shader, Ruby Vasant, and Anna Carter.

#### **RICEVILLE**

Located adjacent to Lakewood Terrace are these 20 housing units which, although of temporary nature, provide comfortable and

attractive quarters for married students. The cluster of units was named for W. H. Rice, Superintendent of Buildings and Grounds since 1931.

### **PRESIDENT'S HOME**

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

### **EDUCATION—SOCIAL STUDIES BUILDING**

Erected in 1926, this two-story structure was the first building to be constructed on the campus. It houses the Divisions of Professional Education and Social Studies as well as the Testing, Audio-Visual Aids, and the Guidance offices.

### **BUTTON AUDITORIUM**

This large structure contains the 1,500 seat auditorium, a dramatic arts workshop and dressing rooms, a large gymnasium, and an auxiliary gymnasium. The building was named for Frank C. Button, first president of the college.

### **BRECKINRIDGE TRAINING SCHOOL**

Completed in 1931, the Breckinridge Training School houses a complete 12-grade school program which serves as the laboratory school of the college. The building was named for Robert J. Breckinridge, the sixth Superintendent of Public Instruction of the Commonwealth of Kentucky.

### **JAYNE MEMORIAL STADIUM**

Located at the eastern end of the campus, Jayne Stadium has a seating capacity of over 4,000 for football games and track meets. It was named in honor of W. L. Jayne, a member of the Morehead faculty from 1924 to 1930.

### **SNEFF NATATORIUM**

This building, located west of Button Auditorium, contains a ninety-foot by thirty-foot swimming pool, a spectators' gallery, and dressing and shower facilities. It was named for Judge Earl Sneff, a former member of the Board of Regents.

### LAPPIN HALL

A four-story structure, Lappin Hall houses the Division of Science and Mathematics as well as the department of Agriculture. The classrooms and laboratories are furnished with the most modern apparatus and equipment available. The building, completed in 1937, was named Lappin Hall in 1958, honoring Dr. Warren C. Lappin, Dean of the College, who has served as a member of the college staff since 1923.

### HOME MANAGEMENT HOUSE

This structure serves as a laboratory in homemaking for the students in home economics with all majors in home economics required to complete a period of residence in the home. An attractive, modern residence, the home was purchased in 1933.

### JOHNSON CAMDEN LIBRARY

This white stone structure is one of the most beautiful buildings on the campus and presently houses over 80,000 catalogued books, an extensive magazine section, and a large collection of bulletins, pamphlets, and public documents. Also found in the library is the James Still Room, containing all of this famous author's original manuscripts; the Kentucky collection; the Materials Center; and a beautiful display area. The air-conditioned building was named for Johnson Camden, a former United States Senator.

### THE FIELDHOUSE

This building, which has a spectator seating capacity of over 5,000, is used for all basketball games as well as for concerts, commencement exercises, regional meetings, dances, and all-student convocations. The building was completed in 1956.

### DORAN STUDENT HOUSE

Completed in 1957, the Doran Student House is the center of student activities on the campus. The building contains an air-conditioned cafeteria and grill; the bookstore and post office; director's apartment; club rooms and lounges; and recreation facilities. This modern building was named in honor of Dr. Adron Doran, the seventh president of the college.

### BAIRD MUSIC HALL

The original Baird Music Hall was constructed in 1953, but a phenomenal growth in the music area necessitated an addition to the structure in 1963 which more than doubled the size of the building.

Now a three-story, completely air-conditioned building, it contains offices, classrooms, practice and ensemble rooms, a pipe organ, and a large rehearsal hall which seats 1,000 for recitals and concerts. The building was named for William Jesse Baird who died while serving as the fifth president of the college.

### **CLASSROOM BUILDING**

The massive, four-story Classroom Building, located on the east end of the campus, was completed in 1961 at a cost of \$1,425,000. The completely air-conditioned building houses the Division of Languages and Literature and the areas of drama, speech, business, and special education. Also located in the building are numerous general classrooms, the language laboratory, and the Little Theatre.

### **INDUSTRIAL ARTS AND HOME ECONOMICS BUILDING**

Completed in 1962, the Industrial Arts and Home Economics Building contains the most modern equipment in these areas and is considered a model structure. The completely air-conditioned three-story building also houses the Division's administrative offices.

### **ADMINISTRATION BUILDING**

The ultra-modern Administration Building was completed in 1963 and houses the offices of the President, Dean of the College, Dean of Students, Registrar, Business Manager, Director of School Relations, Director of Public Relations, Director of Alumni Relations, and the Director of Graduate Study. The two-level structure is air-conditioned and is located at the center of the campus.

### **BUTLER HALL**

This residence hall, completed in 1961, houses 200 men. The building has a functional lobby and is connected by a passageway to East Men's Hall. It was named for Wendell P. Butler, who served two terms as Superintendent of Public Instruction and Chairman of the Board of Regents.

### **WILSON HALL**

A 200-man residence hall, this four-story structure is completely air-conditioned and has a director's apartment, a spacious lobby, reception area, and study rooms. The structure was completed in 1962 and serves as an "honors" residence hall for male students. It was named for Roger L. Wilson, Dean of Students since 1953.

### FACULTY DUPLEXES

Eleven modern duplexes are available at a nominal rental fee for faculty members. Located on hillsides overlooking the campus, the duplexes provide a magnificent view and quiet living quarters for faculty members.

### MIGNON HALL

This towering, six-story residence hall houses 300 women in suites, with each suite accommodating four girls. The air-conditioned suites have a study room, sleeping room, and private bath. The structure has a large patio, sundeck, lounge, and a director's apartment. The building, which was occupied in 1963, was named for Mignon Doran, wife of Morehead President Adron Doran.

### FUTURE GROWTH

To meet the needs of a greatly expanding enrollment and to provide quality programs, Morehead State College is continuing an ambitious building program.

Two residence halls have recently been completed and two new residence halls are currently under construction. Also just completed were: an addition to the Baird Music Hall; an administration building; and a 16-unit addition to Lakewood Terrace.

Buildings in various stages of planning include: two residence halls; an addition to the Johnson Camden Library; an addition to the Doran Student House; a maintenance and service building; and additional food service facilities.

Also under construction are a new stadium, track, and baseball field on a 15-acre plot east of the campus.

## ***Instructions To Students***

### **PROCEDURE FOR ADMISSION**

All correspondence concerning admissions should be addressed to the Director of Admissions, 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.

Students transferring to Morehead are required to meet the same standards for admission to the Teacher Education Program as the regular Morehead students.

**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 76 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 dormitories 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. Twenty-nine dollars of this amount is applied on the room rent for one semester. 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 house-keeping 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 17 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 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 semester. In this instance, he may apply for permission to attend the following summer term. If this permission is granted, the student's schedule of classes for the sum-



mer term must be made up from those courses on which he made low marks during the academic year. If the student's total standing on work taken during the academic year and the summer term is 1.7 or better he will be removed from probation. If the student's total standing on work taken during the academic year and the summer term is less than 1.7 he will be dropped from school.

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.

### Exceptions for Freshmen

A freshman who makes a standing of 1.5 or lower on his first semester's work is placed on probation for the next semester in residence. During this second semester the student is required to include in his schedule of classes those general education courses on which he made low marks during the first semester. If at the end of the second semester the student has earned a standing of 1.7 or above on the work of the semester he will be removed from probation.

If at the end of the second semester the student has not earned a standing of 1.7 or above on the work of the semester but has accumulated 27 hours of credit he *may* be given a third semester. If a minimum standing of 1.7 is not earned on the work of this third semester the student will be dropped.

If at the end of the second semester the student has not earned a standing of 1.7 or above on the work of the semester and has not accumulated a total of 27 hours of credit during the academic year he may apply for permission to attend the following summer term. If this permission is granted, the student's schedule of classes for the summer term must be made up of those courses on which he has made low marks during the academic year. At the end of the summer term, if the student's total standing on the work of the academic year and the summer term is 1.7 or better he will be removed from probation. If at the end of the summer term his standing is not 1.7 but the student has accumulated 27 hours of credit, he *may* be given a third semester. If a minimum standing of 1.7 is not earned on the work of this third semester the student will be dropped.

### 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 \$75.00 for each semester. The incidental fee for students residing outside Kentucky is \$150.00 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 -----	\$ 75.00*
Room rent -----	81.00-99.00**
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
	<hr/>
	\$385.00-\$403.00

\*For residents of Kentucky. Out-of-state Incidental Fee—\$150.00.

\*\*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.

\*\*\*Rent Schedule—Married Student Apartments

## Lakewood Terrace

Studio ----- \$43.50 per month, includes utilities

One-bedroom ----- 48.00 per month, includes utilities

## Riceville

Two-bedroom ----- 35.00 per month, plus utilities

**Women's Residence Halls**

Allie Young Hall	-----	\$81.00	per semester
Fields Hall	-----	81.00	per semester
Thompson Hall	-----	81.00	per semester
Mignon Hall	-----	99.00	per semester

**Men's Residence Halls**

East Hall	-----	\$81.00	per semester
Butler Hall	-----	90.00	per semester
North Hall	-----	90.00	per semester
Wilson Hall	-----	99.00	per semester

A 200-bed men's residence hall and a 204-bed women's residence hall will be ready for occupancy in 1964 at \$99.00 per semester.

**Expenses to be Paid in Advance for One Semester:**

Incidental fee	-----	\$	75.00
Room rent in the dormitories	-----		81.00-99.00
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

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\$175.00-\$193.00

**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 \$7.00 per semester hour. This fee for out-of-state students is \$14.00 per semester hour.

The Incidental Fee for graduate students who are residents of Kentucky and enrolled for less than twelve hours of work during a regular semester is \$8.00 per semester hour. This fee for out-of-state students is \$16.00 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 — \$8.00 per semester hour. Maximum \$96.00.

Out-of-state students — First nine hours, \$16.00 per hour. Maximum \$192.00.



**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.

**SCHOLARSHIPS**

A number of scholarships are available to worthy Kentucky 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.

**SCHOLARSHIPS OFFERED**

*General Scholarships*—The College has provided a limited number of scholarships carrying a stipend sufficient to cover the semester registration fees of \$75.00 a semester. These scholarships are available to freshmen students who meet the institutional requirements for such awards.

*Morehead State College Alumni Association Scholarships*—The Alumni Association has initiated a plan for a number of scholarships to be made available to worthy students. Applications for these scholarships should be made directly to the Director of Alumni Affairs, Morehead State College, Morehead, Kentucky. Each application must be endorsed by an active member of the Alumni Association.

These scholarships are continued for four years provided the recipient maintains a satisfactory academic standing and continues to establish need for such assistance.

*Music Scholarships*—A number of scholarships are offered in the field of music, and these are awarded to students who show proficiency in music. The amount of the stipend varies, depending on need, proficiency, and interest. These scholarships are administered by the Department of Music and applications should be made di-



rectly to the Chairman of the Division of Fine Arts, Morehead State College, Morehead, Kentucky.

*Home Economics Club Scholarship*—The Morehead Home Economics Club makes a scholarship grant of \$100 per year to an outstanding prospect in the field of home economics. Applications should be filed with the Head of the Home Economics Department, Morehead State College, Morehead, Kentucky.

*Button Memorial Scholarships*—The alumni of the Morehead Normal School, the forerunner of Morehead State College, provides for two scholarships which pay the regular college registration 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 1949 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. Applications should be made to the Chairman, Division of Science and Mathematics, Morehead State College, Morehead, Kentucky.

*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."

*Ross C. Anderson Scholarship*—The Ross C. Anderson Scholarship is awarded to an outstanding business student at the beginning of the senior year. The scholarship is given in memory of Ross C. Anderson, who was a member of the commerce faculty from 1938 until his death in 1961. The recipient, who is selected by the business faculty on the basis of scholarship and financial need, receives \$50 per semester for two semesters. The money for the scholarship is furnished by the Kappa Mu Club and other donations.

*Joseph Daniel Coker Memorial Fund*—This loan fund was established in memory of Joseph Daniel Coker, a business major, who was killed in an accident on November 29, 1962. This fund provides a \$200 loan to a senior business major. The recipient of the loan must have a 2.5 overall average and a 3.0 average in his business major. The loan is payable within one year after graduation, and is non-interest bearing. The recipient of the loan will be determined by the business faculty.

*Athletic Scholarships*—A number of scholarships are offered to athletes in the two major sports of football and basketball. These awards are given strictly in compliance with the Constitution and By-Laws of the Ohio Valley Conference. All applications for athletic scholarships should be made directly to the head coach of the sport in which the applicant is interested.

#### OPPORTUNITY FOR STUDENT EMPLOYMENT

The College has made it possible for a number of students to earn a part of their expenses, such as room rent or board, or both, by doing various kinds of work. The work opportunities available are in the cafeteria, dormitories, offices, bookstore, college post office, and various buildings. Some students find employment of various types in the town of Morehead.

It is not advisable for a student to spend more than twenty hours per week on outside work if he is carrying an average college schedule of classes. Students desiring employment should note the following regulations:

1. The following 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 class work unless specifically excused by action of the Dean of the College.
4. Employment may be terminated at anytime if the worker is not performing his assigned tasks satisfactorily.

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

Students desiring employment should apply to: Dean of Students, Morehead State College, Morehead, Kentucky.

### 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 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, or a modern foreign language. The interest rate on loans is three 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 Relations.

#### **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 Relations 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 26 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 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 study in agriculture, commerce, earth science, economics and sociology, English, foreign languages, history, political science, biology, chemistry, geography, mathematics, physics, art, music, home economics, industrial arts, philosophy, physical education and speech and dramatic art.
- c. A four-year program of general academic training with the same opportunities for 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, secretaries, and clerical workers.
- 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 technology, 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 48 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 32 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 Director of Admissions, Morehead State College, Morehead, Kentucky. All necessary forms and instructions for completing the application will then be sent to the applicant.

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 \$75.00 per semester and for out-of-state students this fee is \$150.00. An itemized list of the usual expenses of students is estimated on page 44 of this bulletin.

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

The college plant includes eight dormitories, four for men and four 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 58 of this catalog.



## *Auxiliary Agencies*

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### 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 has gained recognition as one of the South's finest college newspapers. 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 and has received top national awards. 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 students 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.

### GOVERNMENT SERVICE TRAINING PROGRAM

Special attention is given at Morehead to the preparation of students for work in government. The Government Service Training Program stimulates interest in careers in government and prepares students for such service. This program expands the career opportunities available to new students and develops alternate or companion objectives for students concentrating in public education as well as in the social studies. Special emphasis is placed on training for public administration at the state and local level, as well as federal level of government.

## *Student Organizations*

*The Council of Presidents* is composed of all presidents of clubs, classes, and organizations on the campus. Its purpose is to develop a spirit of unity, and cooperation in planning and scheduling of social and recreational activities. The Council also sponsors Better Dress Week each year. A president is elected to serve as chairman for each meeting. The only permanent officer each year is the secretary of the organization.

*The Student Council* 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, cooperativeness, high ideals, and loyalty. Membership on the Council is secured through the election by the student body. In addition to this body, each residence hall has its own house council that functions in specified areas.

### HONOR SOCIETIES

*GWENS* is a national sophomore women's honorary society. Its goals are to serve the Alma Mater, to act as an incentive to freshman achievement and to provide training for leadership. The specific qualifications that are prerequisite to invitation are: a 3.0 standing, the promise of leadership, and willingness to serve. Though it is an organization open only to those with high academic standing, it is primarily a club designed to serve the College in all possible ways. It was organized in 1959 and became a member of National *GWENS* in 1961.

*Junior-Senior Men's Honor Society* was organized to recognize the junior and senior men who have excelled in scholarship, leadership and service at Morehead State College. Selection is based on a 3.0 standing as a minimum.

*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.

*Phi Mu Alpha* is an active honorary music fraternity for men. Members are selected on the basis of interest in music, leadership, scholarship, achievement and character. The Theta Pi Chapter was chartered May 24, 1959.

*Sigma Delta* is a national honor fraternity for physical education majors who are dedicated to furthering the cause of health, physical education and recreation. Members must have completed six hours in physical education and have a 3.0 standing in the field. Membership is granted only through invitation.

#### ACADEMIC AND SPECIAL INTEREST GROUPS

*The Agriculture Club* is composed of students who are interested in the study of agriculture and who are also concerned with becoming better citizens. In the past this club has been very active and its members have contributed their special abilities to the general welfare of the College.

*Alpha Beta Alpha* is a national society for the furtherance of the study of library science. Our chapter 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 is eligible to become a student member, provided he has a standing of "C" in all his college work.

*Beaux Arts Club* is composed of art-minded students who organized in the fall of 1935 to stimulate an interest in the fine arts and crafts and also foster a congenial atmosphere for engaging in art activities. All applicants must submit some art work or give an art appreciation talk.

*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.

*Circle K* is a student organization of Kiwanis. Its membership includes students of good character, leadership and scholarship. This is a service organization seeking to develop activities that would be of value to the student body.



*Cosmopolitan 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.

*Diving Eagles* was organized to foster an interest in skin diving, to increase the knowledge of the members in the best techniques 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.

*Forensic Union* is an organization that 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.

*Gamma Theta Upsilon* is a national professional geography fraternity. Its purposes are to further professional interest in geography, to strengthen student and professional training; to advance the status of geography as a cultural and practical discipline for study and investigation; and to create and administer funds for graduate study and research. Membership is open to any student who is regularly enrolled in the college and has completed six hours of geography with above average grades.

*Industrial Arts Club* is an organization to create and promote interest in industrial arts, to provide a better social atmosphere and to promote fellowship within the Industrial Arts Department.

*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.

*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.

*Les Courants* is an organization composed of a group of upper-class 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.

*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 study and promotion of good literature.

*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.

*Mu Phi* is a mathematics and physics organization whose purposes are to stimulate social and professional growth, to encourage unity, goodwill and fellowship within the Department of Mathematics and Physics.

*Mu Sigma Alpha* is the local student chapter of the American Chemical Society. Anyone who has successfully completed one semester of chemistry is eligible for membership.

*The Mystic Club* was organized in memory of Coach Len Miller. This organization is in charge of pep rallies on the campus. It fosters keen interest and participation in all sports, and honors men and women who show outstanding ability in the field of athletics.

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 *Student National Education Association* 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 students.

*Veterans Club* membership 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.

*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.

## 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 programs.

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 Simfonia* was chartered in 1959. Simfonia 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.

## RELIGIOUS ORGANIZATIONS

*Baptist Student Union* is an organization to strengthen, correlate, and unify all of the separate Baptist 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.

*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.

*Newman Club* is an international organization which is represented on most college and university campuses. Its purpose is to create unity among Catholic students in higher education. 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 annually.

*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. 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.

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. Members of all faiths are invited to attend the Wesley Club.

The *Young Women's Christian Association* sponsors a program that is both social and religious. The primary purpose of the organization is to foster the religious life of the students. 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.

## SOCIAL CLUBS

The *Aquila Club* strives to promote an active interest in good citizenship, to provide desirable religious and social environments for the student body of Morehead State College, and to incorporate a feeling of goodwill in the school and community.

The *Campus Club* membership is open to men students upon invitation. Members are selected from those students who have demonstrated ability as leaders on the campus. It serves both as a social and a service club and one purpose complements the other in developing leadership in the college and among its own members.

*Capa Tridents* was organized in 1962 and has the following objectives: to instill in the members a desire to promote outstanding and moral character among women students on campus, to promote more appropriate appearance for women on the Morehead State College campus, to provide greater opportunity for women students to develop more versatile personalities, to contribute to the individual activities on the campus with the subsequent improvement of the academic mind and to contribute to the fulfillment of the overall administrative policies of Morehead State College in its program of student activities.

*Collegiate Knights* endeavors 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 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.

The *Alumni Association* is designed 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. In addition to this organization, there are many active county and/or community Morehead Alumni Associations both in the state and in neighboring states. There are presently being organized on the campus several student county clubs which we hope will form the nucleus of many more local Morehead Alumni Associations in the future.

## *Degrees and Certificates*

### CURRICULA

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

1. The Bachelor's Degree and Provisional Elementary Certificate.
2. The Bachelor's Degree and Provisional High School Certificate.
3. The Bachelor of Arts or Bachelor of Science Degree without certification.
4. The Bachelor of Science Degree and the certificate in Vocational Home Economics.
5. The Bachelor of Science Degree with an Area in Business Administration.
6. The Bachelor of Science Degree with a Concentration in Medical Technology.
7. The degree of Master of Arts in Education and the
  - Standard Elementary Certificate
  - Standard High School Certificate
  - Provisional Certificate for the Principal
  - Provisional Certificate for the Supervisor
  - Provisional Certificate for the Superintendent
  - Provisional Certificate for the Guidance Counselor
  - Provisional and/or Standard Certificate for the School Librarian
8. Meeting the entrance requirements of professional schools.

### 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, earth science, home economics, industrial arts, mathematics, library science and physics. Stu-

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

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

Latin	Earth Science
Spanish	Library Science
German	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.

Areas of Concentration may be taken in:

Art	Home Economics
Commerce	Music
English	Science
Health, Physical Education and Recreation	Social Science



## *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 to Literature -----	3
202 Introduction to Literature -----	3
 NATURAL SCIENCE -----	 12
103 Introduction to Physical Science -----	3
104 Introduction to Physical Science -----	3
105 Introduction to Biological Science -----	3
106 Introduction to Biological Science -----	3

### Exceptions:

1. Students majoring, minoring, or taking an area in science will be excused from Science 103, 104, 105, and 106 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
Physical Education	
Two activity courses .....	2

## *Requirements for Certificates and Degrees*

### THE BACHELOR OF ARTS DEGREE

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

	Sem. Hrs.
a. EDUCATION	
100 Orientation in Education .....	1
210 Human Growth and Development I .....	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	
103 Introduction to Physical Science .....	3
104 Introduction to Physical Science .....	3
105 Introduction to Biological Science .....	3
106 Introduction to Biological 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
	Two 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 .....		
	(Required of all first semester freshmen)	1
m. A minor in some academic field .....		
		18*
n. ELECTIVE .....		
	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 I .....	3
300 Introduction to Student Teaching .....	1
477 Professional Semester .....	15
Minimum in Education .....	20
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. 69)	
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. 68)	
103 Introduction to Physical Science .....	3
104 Introduction to Physical Science .....	3
105 Introduction to Biological Science .....	3
106 Introduction to Biological 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
Physical Education	
Two 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

\*A year of a foreign language may be substituted for the requirements in Fine Arts and Philosophy.

\*\*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..	6
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. 69)	
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. 68)	
103 Introduction to Physical Science .....	3
104 Introduction to Physical Science .....	3
105 Introduction to Biological Science .....	3
106 Introduction to Biological Science .....	3
Minimum in Science .....	(12)
f. PSYCHOLOGY	
153 General Psychology .....	3
g. PHYSICAL EDUCATION AND HEALTH	
Health	
150 Personal Health .....	2
Physical Education	
Two 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 hours 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, earth science, 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 grants one degree at the graduate level, the Master of Arts in Education. This is a professional degree and through the different curricula leading to the degree, graduate students may qualify for the Standard Elementary or the Standard Secondary Teachers' certificates, or the provisional certificate for Supervision, Principalship, Guidance Counseling, Superintendency, or School Librarian.

The general purpose of the graduate division is to provide programs of experience that will best prepare the individual for the work he intends to do. In addition to those seeking the master's degree and certification, the graduate study program provides for students who wish to broaden their education without reference to a graduate degree.

Teachers who hold the master's degree may elect courses from the M. A. Degree curricula to qualify for the provisional certificate for the principalship, supervision, guidance counseling, superintendency, or school librarian. Teachers or other certificated school personnel holding the M. A. Degree may take approved courses from these curricula to qualify for Rank I in the Kentucky teachers' salary schedule.

### ADMISSION TO GRADUATE STUDY

Before a student is permitted to enroll for graduate credit he must apply for admission to Graduate Study, which application must be approved by the Director of Graduate Study. This Application for Admission, with a transcript of all work done in other colleges, should be filed in the office of the Director of Graduate Study at least one month prior to the first registration for graduate work.

1. Applicants for admission to the Graduate Study Division must hold a bachelor's degree from a college accredited by a regional accrediting association and equivalent to the undergraduate degree granted by Morehead State College.

Depending upon the quality of work as an undergraduate, the applicant may 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 of thirty hours (thirty-two in the guidance

counselor curriculum) 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 imply 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 undergraduate deficiencies while proceeding with their undergraduate 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.

5. A student who desires to take work for graduate credit but who does not desire to work toward a graduate degree, may be classified as a *special graduate student* and enroll for any course for which he is eligible.

#### ADMISSION TO CANDIDACY

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

1. Complete the form *Application for Candidacy and for Approval of Program 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 must be completed before the close of the term.
  - b. If the student begins his work during the regular semester, this form must 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 must file this form immediately after completing two graduate courses.

d. The student must earn a minimum of 15 hours of graduate credit *after he has been admitted to candidacy for the master's degree and has had his program of study approved by the Graduate Council.*

2. Take a comprehensive qualifying examination. (The student is expected to take this examination during his first term of graduate work.)

When the Application for Candidacy for the Master's Degree is considered by the Graduate Council, decisions are made concerning:

- a. The program in which the applicant will be permitted to do his work, i.e., teaching (elementary, secondary, or librarianship), principalship, supervision, guidance counseling, or superintendency.
- b. Whether the applicant will be permitted to continue taking graduate courses with the expectation of eventually receiving the master's degree.

Data on the basis of which the Graduate Council makes these decisions include:

- a. The applicant's academic record—undergraduate and graduate.
- b. The recommendation of staff members who have had contact with the applicant.
- c. Results of tests that have been given.
- d. Personal interviews with members of the Graduate Council.
- e. Applicants for school service positions—principal, supervisor, guidance counselor, or superintendent—are expected to file the following additional information:
  1. A statement of the applicant's professional experiences and plans in his own handwriting.
  2. A brief autobiography.
  3. The names and addresses of individuals who have served as his immediate supervisors—supervisors, principals, and/or superintendents.
  4. The names of three professors with whom the applicant has had work.

(After the foregoing information is on file, all applicants for leadership positions are required to have a personal interview with a special committee of the Graduate Council.)

### REQUIREMENTS FOR THE MASTER'S DEGREE

The master's degree may be earned in either of two ways—

1. 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.
2. 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 (32 in guidance counselor curriculum) and 36 weeks of residence.

### GENERAL REGULATIONS

1. Fifty per cent of all course work (minimum of 15 hours) must be earned in courses open only to graduate students, courses numbered 500 and above, and six hours of this work must be in academic courses.
2. Fifty per cent of all course work (minimum of 15 hours) must be earned in courses from one field of study.
3. A minimum of 12 hours of the credit offered for the master's degree must be earned in courses outside the field of professional education.
4. The minimum full-time graduate load for a semester is nine semester hours (summer term is 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.
5. A minimum of 30 hours (32 in guidance counselor curriculum) without a thesis or 24 hours with an accepted thesis and a minimum of 36 weeks of residence are required for completion of an M. A. degree program. (In evaluating residence for part-time work, one semester hour entitles the student to 1½ weeks of residence. Short courses, workshops, etc., carry the same residence allowance as the course carries credit.)
6. 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.
7. A minimum of 24 hours of graduate work must be completed in residence, i.e., not more than six hours of transferred work and/or work done in off-campus study centers will be accepted toward the minimum requirements for the M.A. degree. In either case non-residence work must be approved by the Graduate Council.
8. The student is required to earn a "B" average on all work offered for the degree and no credit is allowed for a mark below "C."

9. 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.)

10. Students holding what would ordinarily be considered as full-time positions are not permitted to receive graduate credit for more than four semester hours during any semester.

11. In all cases the requirements for the degree must be completed within five years from the date of beginning graduate work.

12. The student must file an application for the M. A. degree with the registrar before his name will be placed on the graduating list. This should be filed early in the term preceding the one in which he expects to graduate.

### TESTS AND EXAMINATIONS

All students taking graduate courses must satisfactorily complete any tests required by the Graduate Council.

Preliminary or Qualifying Examinations. During their first term of enrollment, all graduate students who have not had the Graduate Record Examination must take the *Aptitude* and *Area* tests of the GRE. No student can be admitted to candidacy in any M. A. Degree curriculum until scores on the GRE are available. The results of these tests are used for guidance and constitute one of the criteria upon which admission to candidacy is based.

Final Examinations. During the last term of residence each graduate student must pass written and/or oral examinations covering the graduate work offered in support of his candidacy.

### RESEARCH

One of the significant characteristics of graduate work is that the student be able to demonstrate his ability to do sustained independent study. In the accomplishment of this purpose, one of the requirements at Morehead is that the student is expected to present a research paper in several of the courses he takes as a graduate student.

The nature of these papers will vary according to the courses involved, but, in all instances, they must meet the standards of general excellence prescribed by the Graduate Council.

### THESIS

Although the master's degree may be earned without writing a thesis, the type of experience involved is essential in developing the

ability to do independent work. Consequently, certain students are urged to write a thesis.

The student who has any thought of continuing his graduate work will find the preparation of a thesis to be invaluable, and other capable students may find the experience to be of great worth. To be urged to write a thesis is a compliment to one's ability.

*Requests for application blanks and for the HANDBOOK FOR GRADUATE STUDENTS, which includes more detailed information and the various suggested curricula, should be addressed to the Director of Graduate Study.*





**Division of Applied Arts**

### *Division of Applied Arts*

Mr. Grote, Chairman  
Mr. Adams  
Miss Bolin  
Mr. Conyers  
Miss Cox

Miss Gross  
Mr. Hackler  
Mr. Haggan  
Mrs. Hale  
Mrs. Irons

Mr. Mays  
Mr. Ray  
Mr. Roberts  
Mr. Sharpe  
Miss Wilson

#### **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.
8. To provide guidance for those who enter the occupations and professions included in the Vocational and Practical Arts.

## AGRICULTURE

**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 152 (May substitute Commerce 101).....	3
Inorganic Chemistry 111 and 112.....	8
Physical Education—two activity courses.....	2

**Additional Requirements:**

Group I selected from: Science 105, Biology 210, 215, 317....	7-8
Group II selected from: Philosophy 200, English 201, 202, and History 131, 132 or 242.....	6
Group III selected from: Speech 182, 280, 281 or English 380..	6
Group IV selected from: Psychology 153, Sociology 201, 370, Geography 211, Political Science 241 or Economics 201..	6

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Total: ..... 63-64

**Agricultural Education\*****FRESHMAN YEAR**

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
P.E.	Activity course	1	Agri.	215—Horticulture	3
	Freshman Orientation	1	Agri.	237—Poultry	3
Agri.	133—Farm Livestock Production	3	Math.	152—College Algebra	3
Agri.	180—Elementary Field Crops	3		Group II elective	3
Sci.	105—Intro. to Biol. Science	3			
Psy.	153—General Psychology	3			

## SOPHOMORE YEAR

First Semester		Second Semester			
P.E.	Activity course	1	Chem. 112—General Chemistry	4	
Chem.	111—General Chemistry	4	Agri. 111—Soils	4	
Agri.	336—Dairying	3	Sp. 280—Basic Speech	3	
	Group I elective	4	Agri. 370—Rural Sociology	3	
	Group II elective	3	Group III elective	3	
		15			17

\* 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. Arrangements have been made with the Alabama Polytechnic Institute at Auburn, Alabama, to accept ten students from Kentucky each year in the veterinary medicine program. A committee representing the State Colleges and the University of Kentucky assists the students in getting together their credentials in order to meet the entrance requirements. A committee at the Veterinary College in Alabama goes over the credentials submitted, and following an interview, selects the individuals who will continue their work. To be nominated a student must not have any D's or E's on his required work and must have a standing of not less than 2.25 (C plus) in the two-year program of preveterinary medicine. A student should keep in close touch with his advisor so as to meet all requirements in the specified time. 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, most of the credits may be applied toward a degree at Morehead State College.

## FRESHMAN YEAR

First Semester		Second Semester			
Eng.	101—Writing and Speaking	3	Eng. 102—Writing and Speaking	3	
	Freshman Orientation	1	P.E. Activity course	1	
Math.	152—College Algebra	3	Math. 141—Plane Trigonometry	3	
Chem.	111—General Chemistry	4	Chem. 112—General Chemistry	4	
Sci.	105—Intro. to Bio. Science	3	Biol. 210—General Zoology	4	
Agr.	133—Farm Livestock Production	3	Elective	2	
		17			17

## SOPHOMORE YEAR

First Semester		Second Semester			
P.E.	Activity Course	1	Chem. 332—Organic Chemistry	4	
Chem.	331—Organic Chemistry	4	Phys. 132—Physics	4	
Phys.	131—Elementary Physics	4	Agr. 237—Poultry	3	
Biol.	317—Bacteriology	4	Agr. 415—Animal Nutrition	4	
Biol.	215—Botany	4	Elective	2	
		17			17

Note: An additional requirement in this program—Medical Vocabulary, should be taken by correspondence during the summer. Electives must be made with consent of advisor.

### Preforestry

The State of Kentucky is a participating member in the Southern Regional Education Board's plan for the preparation of foresters and related professions. Arrangements have been made with the North Carolina State College, at Raleigh, to accept students from Morehead State College who meet their entrance requirements. Only Kentucky residents can qualify under this arrangement. Students completing the two-year program at Morehead State College are accepted on the same basis as students who are natives of North Carolina. A student must have a standing of not less than 2.25 (C plus) to be considered for acceptance. Students can qualify for graduation after spending two years and one summer at North Carolina State College. If one decides not to continue work in the forestry program, most of the credits can be applied toward a degree at Morehead State College.

#### FRESHMAN YEAR

First Semester		Second Semester	
Eng. 101—Writing and Speaking	3	Eng. 102—Writing and Speaking	3
P.E. Activity course	1	P.E. Activity course	1
Freshman Orientation	1	Chem. 112—General Chemistry	4
Math. 141—Plane Trigonometry	3	Biol. 215—Botany	4
Math. 152—College Algebra	3	Math. 271—Analytic Geometry	3
Chem. 111—General Chemistry	4	Humanities elective	3
Sci. 105—Intro. to Biol. Science	3		
	18		18

#### SOPHOMORE YEAR

First Semester		Second Semester	
Eng. 201—Intro. to Literature	3	Eng. 202—Intro. to Literature	3
Econ. 201—Principles of Economics	3	Phys. 132—Elementary Physics	4
Phys. 131—Elementary Physics	4	Agri. 111—Soils	4
Chem. 225—Organic Chemistry	4	So. 280—Basic Speech	3
Geol. 100—Physical Geology	3	Biol. 318—Local Flora	3
	17		17

### DESCRIPTION OF COURSES

#### Agriculture 101. General Agriculture. Three hours.

Importance of agriculture in the community, state, nation and the world; the part the community plays in meeting these goals; organizations in the community and how they serve; the promotion of hobbies and rural recreation; beautification of the farmstead and the community; getting acquainted with farm animals, crops, and their improvement; conservation and the wise use of resources; making the family more self sufficient; careers in agriculture; and the changes taking place in rural society.

#### Agriculture 111. Soils. Four hours.

Prerequisite: Chemistry 111 is required of students preparing to enter forestry, vocational agriculture and to serve as a county agent.



Origin of soils; their physical and chemical properties; study of plant nutrients, fertilizers, limes and manures; microbial populations; plants and their relationships; conservation practices; soil fertility maintenance and productivity ratings of soils; testing soils for plant foods; weed control.

**Agriculture 133. Farm Livestock Production. Three hours.**

The importance of livestock to agriculture; origin of cattle and other types of livestock; study of the newer breeds and changes in types; market classes; breeding, feeding and management of the different breeds of animals; dual purpose cattle; milk secretion and production; the use of antibiotics and tranquilizers.

**Agriculture 180. Elementary Field Crops. Three hours.**

General farm crops and their classification; production of quality seeds and their germination; the newer production methods used in growing crops; newer recommended varieties of field and forage crops; the use of the newer farm machines; better seed bed preparation; judging and grading of grains; better uses of fertilizers, limes and manures; better pasture and forage crop production; use of weed killers.

**Agriculture 201. Principles of Economics. Three hours.**

(Also Economics 201)

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.**

Selection of a site; grading and making a lawn; use of hormones in weed control; the selection and maintenance of deciduous and ornamental trees and shrubs; selection of evergreens and their proper setting, pruning and fertilization; sketching of a landscape drawing for the proper layout of grounds; border planting; use of annuals, biennials and herbaceous perennials; bulb selection, planting and care; local materials in the landscape; beautifying school and church grounds, cemeteries, streets and highways.

**Agriculture 215. Horticulture. Three hours.**

How horticulture fits into everyday life; selection of the orchard site; adaptable home and commercial varieties; use of dwarf trees; various systems of culture and soil management; fertilization and pruning; insects and diseases and their control; use of hormones in thinning of fruits and control of drops; use of antibiotics in certain disease control; harvesting, storage, grading and marketing.



**Agriculture 216. Floriculture. Two hours.**

The elementary principles of growing flowers outdoors and in plastic greenhouses; soil mixtures, sterilization; seeding in flats; transplanting, use of hormones, culture, pinching and fertilization; arranging annuals, biennials and perennials in beds and border plantings; insect and disease control.

**Agriculture 237. Poultry. Three hours.**

Importance of the poultry industry; classification, anatomy, and physiology; principles and practices of breeding; incubation principles and problems; rearing principles and practices; broiler production, development of layers, use of cages, lighting; method in brooding, feeding and management; feeding the layers; study of various housing methods; disease and parasite control; production of clean eggs, grading and marketing; marketing of poultry; poultry farm management; turkey, duck and geese management; game bird production.

**Agriculture 301G. Farm Management. Three hours.**

The scope of farm management; agricultural resources; resources needed for a specified income; large and small-scale farm organization and management; appraisal of resources on the farm; planning the land-use program; fitting livestock to the farm; the labor supply for the farm; fitting power and machinery to the farm; the use of a proper cropping system; significance of types of farming; use of economic information; farm records and their uses; income tax returns; size of the farm and farm business; financing the farm business; farm tenancy and farm leases; farm corporation and vertical integration in farming.

**Agriculture 304. Genetics. Three hours.**

(Also Biology 304)

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.

**Agriculture 305. Marketing of Farm Products. Three hours.**

Prerequisites: Agriculture 201.

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, horticultural products; use of cooperatives.

**Agriculture 311. Soil Conservation. Three hours.**

Soil conservation as a problem of humanity; agricultural land resources, capabilities and uses; extent of erosion, causes of erosion and its effect; soil conservation as it affects city and suburban dwellers; the soil and its classification; mapping; aims and principles of soil conservation; economics of soil conservation; conservation practices including contouring, terracing, strip farming, sodded waterways, diversion ditches, tilling and strip farming, conservation of water, wildlife, forestry and their interdependence; farm ponds; upstream flood control.

**Agriculture 313. Advanced Landscape Design. Three hours.**

Prerequisite: Agriculture 213.

Woody planting materials used in planting design; identification of genera and species of deciduous and evergreen trees and shrubs and ornamental trees; soil and site requirements, planting, fertilizing, pruning and spraying of plants; mulching of plants; plants for sun, shade and various type soils; comprehensive drawings of property.

**Agriculture 314. Plant Propagation. Three hours.**

Methods of propagation of annuals, biennials and perennials; various types and kinds of rooting media used; length of time of rooting; use of shade and mists; use of cold frames, hot beds, and plastic greenhouses; use of lath houses, various soil mixes, soil sterilization; seedbed preparation; shearing and pinching; storage buildings.

**Agriculture 315G. Small Fruits. Three hours.**

Geographical distribution of the various fruits; development of varieties and their characteristics; grape, strawberry, blackberry, raspberry, boysenberry, loganberry, gooseberry and currants; propagation, planting, harvesting, cultivation and weed control; varieties that are virus free and suitable for fruits for processing; spraying strawberries against insects and diseases.

**Agriculture 334G. Entomology. Three hours.**

(Also Biology 334G)

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.

**Agriculture 336. Dairying. Three hours.**

Survey of the dairy industry as to income, cattle numbers and number of farms involved; processing plants and their distribution; important dairy breeds and their comparisons as to production; types of dairy farming and breed selection; breeding of dairy animals, crossbreeding, proven sires and DHIA Herd Improvement; modern methods of feeding; feeding for Advanced Registry or Registry of Merit; handling of milk and disease control.

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

Development of dairying; the components of plants and animals; the work of digestion; uses of food in the body; milk secretion; selection of feeds; desirable characteristics of a ration; development of feeding standards, minerals and vitamins; balancing rations; feeding for milk production; effect of abnormal rations; making and feeding of silages, haymaking; pastures and their improvement; milking the dairy herd, bulk tanks; care and feeding of the dairy heifer; principles of dairy cattle breeding, selection of the sire; maintaining breeding efficiency; keeping records; fitting for show; dairy buildings; health and sanitation.

**Agriculture 370. Rural Sociology. Three hours.**

Prerequisite: Sociology 201.

A study of culture and social organization of rural societies; socio-economic aspects of agriculture; conditions and movements of rural population; rural social institutions and agencies; bio-social conditions; rural-urban relations; emphasis on Appalachian Region.

**Agriculture 384. Forage Crops. Three hours.**

Prerequisites: Agriculture 180 and Biology 215 or consent of instructor.

Distribution of various forage crops; climate and soil; characteristics of grasses and legumes; study of the various legumes and their adaptations to soil and climate; study of the main grasses adapted to soil and climate; requirements for seeding, singly or in mixtures; production of forage crops; problems in conservation cropping; weed control, grassland farming; insect and disease control.

**Agriculture 415. Animal Nutrition. Four hours.**

Prerequisite: Chemistry 111 or consent of instructor.

Fundamentals of animal nutrition; the various feeding stuffs; feeding farm animals; study of the digestive system of various kinds of livestock; the effect of feeds on animals and their products; the

use of vitamins, minerals, antibiotics and tranquilizers; value of various kinds of pastures, dried and green forages; comparison of various kinds of silages.

### COMMERCE

#### 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, government, and related types of activities.
3. To contribute to the general education 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 business.

### PREPARATION FOR TEACHING

If the student wishes to concentrate his work in a single area, he may complete the following curriculum in business. 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 business upon graduation.

#### AREA OF CONCENTRATION FOR BUSINESS TEACHERS

- 8 hours in Accounting: 281, 282.
- 21 hours of Secretarial Practice: 14 hours required in: 212, 213, 221, 232, 331; 7 hours selected from: 211, 231, 236, 237, 332, 433.
- 18 hours in General Business: 9 hours required in: 101, 160, 461; 9 hours selected from: 360, 362, 364, 450, 462, 465.
- 5 hours required in Materials and Methods: 375, 471, 475.

In selecting courses to fulfill the general requirements for graduation, the area in business must include Economics 201, 202, 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 30 hours, or minors of 20 hours, does not earn for the student the Provisional High School Certificate valid in business. 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 business to supplement or broaden their background in this field or for possible vocational use.

#### Requirements:

For a Major in Secretarial Science with teacher's certificate:

14 hours required in Secretarial Science: 212, 213, 221, 232, 331

6 hours required in General Business: 101, 160

2 hours required in Materials and Methods: 375

8 hours selected from: 211\*, 231\*\*, 236, 237, 332, 433

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30 hours

For a Minor in Secretarial Practice with teacher's certificate:

14 hours required in Secretarial Practice: 212, 213, 221, 232, 331

2 hours required in Materials and Methods: 375

8 hours required in General Business: 101, 160, 364

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24

For a Major in General Business with teacher's certificate:

6 hours required in General Business: 101, 160

8 hours required in Accounting: 281, 282

2 hours required in Secretarial Practice: 211\* or 212

2 hours required in Materials and Methods: 475

12 hours selected from General Business and Secretarial Practice: 221, 350, 360, 364, 461, 462, 465

—  
30 hours

For a Minor in General Business with teacher's certificate:

- 6 hours required in General Business: 101, 160
- 2 hours required in Secretarial Practice: 211\* or 212
- 2 hours required in Materials and Methods: 475
- 14 hours selected from General Business and Secretarial Practice: 221, 236, 364, 450, 461, 462

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24 hours

For a Major in Accounting with a teacher's certificate:

- 6 hours required in General Business: 101, 461
- 2 hours required in Secretarial Practice: 211\* or 212
- 2 hours required in Materials and Methods: 475
- 15 hours in Accounting selected from: 281, 282, 383, 384, 385, 480
- 5 hours to be selected from General Business: 160, 236, 364, 462

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30 hours

For a Minor in Accounting with a teacher's certificate:

- 14 hours required in Accounting: 281, 282, 384, 385
- 8 hours required in General Business: 101, 160, 364
- 2 hours required in Materials and Methods: 475

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24 hours

\*Cannot take 211 for credit if student has earned one credit in high school typewriting.

\*\*Cannot take 231 for credit if student has earned one unit in high school shorthand.

### PREPARATION FOR BUSINESS

Students preparing for business may elect a general major in commerce with a second major in 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 52 hours of work in commerce, economics, and secretarial practice together with the general requirements for this degree.



Requirements for a Major in Commerce and the Bachelor of Arts Degree (non-teaching):

20 hours in General Business: 101, 160, 281, 282, 461, and 465

10 hours in Commerce approved by the Division

—  
30 hours

Requirements for a Minor in Commerce and the Bachelor of Arts Degree (non-teaching):

10 hours in General Business: 101, 160, and 281

10 hours in Commerce approved by the Division

—  
20 hours

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 clerical job upon the completion of his college education. After experience on the job, the graduate should be prepared for a career in business or related types of activities.

College and Curricular 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 -----	9
College Algebra (3), 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) or Foreign Language (6)	
Psychology -----	3
General Psychology (3)	
Health and Physical Education -----	4
Personal Health (2), and Activity (2)	
Orientation -----	1
Freshman Orientation (1)	
Electives -----	14



**Requirements for an Area of Concentration in Business Administration:**

		Sem. Hrs.
Commerce 160	Introduction to Business.....	3
Economics 201	Principles of Economics.....	3
Economics 202	Economic Problems .....	3
Commerce 211	Beginning Typewriting .....	2
or		
Commerce 212	Intermediate Typewriting .....	2
Commerce 221	Business English .....	3
Commerce 281	Principles of Accounting.....	4
Commerce 282	Principles of Accounting.....	4
Economics 304	Marketing .....	3
Commerce 360	Corporate Finance .....	3
Commerce 384	Intermediate Accounting I .....	3
Commerce 385	Intermediate Accounting II.....	3
Economics 442	Money and Banking .....	3
Commerce 450	Salesmanship .....	3
Commerce 461	Business Law .....	3
Commerce 462	Business Law .....	3
Commerce 465	Principles of Management .....	3
Elective	(Selected from Commerce or Economics)....	3
Minimum.....		52

**SUGGESTED PROGRAMS**

The following programs have been devised to help students reach their long-range goals step by step in selecting their courses and making their schedules. These suggested schedules need not be followed specifically from semester to semester, but all courses must be taken.

**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
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
Sci.	103—Intro. to Physical Science	3	Sci.	104—Intro. to Physical Science	3
Com.	101—Business Arithmetic	3	Com.	160—Intro. to Business	3
Com.	211—Beginning Typewriting	2	Com.	212—Intermediate Typewriting	2
or			or		
Com.	212—Intermediate Typewriting	2	Com.	213—Advanced Typewriting	2
Psy.	153—General Psychology	3	Hlth.	150—Personal Health	2
P. E.	Activity course	1	Ec.	201—Principles of Economics	3
16			17		

SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
Sci.	105—Intro. to Biological Science	3	Sci.	106—Intro. to Biological Science	3
F.A.	160—Appre. of the Fine Arts	3	Phil.	200—Intro. to Philosophy	3
	or			or	
Com.	231—Beginning Shorthand	4	Com.	232—Intermediate Shorthand	3
or			or		
Com.	232—Intermediate Shorthand	4	Com.	331—Dictation and Transcription	3-4
Ec.	202—Economic Problems	3	Com.	364—Personal Finance	2
			Ed.	210—Human Growth and Develop. I	3
		16			17-18

JUNIOR YEAR

First Semester			Second Semester		
Com.	281—Principles of Accounting	4	Com.	282—Principles of Accounting	4
Com.	332—Sec. Procedure and Practice	3	Ed.	306—Intro. to Student Teaching	1
or			S.S.	300—Current World Problems	3
Com.	333—Applied Shorthand	3	Com.	461—Business Law	3
Com.	221—Business English	3	Com.	237—Secretarial Skills	3
Com.	375—Mat. and Meth. in Sec. Subj.	2		Elective	3
Sp.	280—Basic Speech	3			
		15			17

SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	Ed.	477—Professional Semester	15
Com.	450—Salesmanship	3		(The Professional Semester may be taken either semester of the senior year.)	
Com.	462—Business Law	3			
Com.	383—Income Tax Procedure	3			
or					
Com.	384—Intermediate Accounting	1			
Com.	471—Seminar	2			
	Elective	2			
		15			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	1	P.E.	Activity course	1
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
Sci.	103—Intro. to Physical Science	3	Sci.	104—Intro. to Physical Science	3
Hlth.	150—Personal Health	2	Psy.	153—General Psychology	3
	Elective in Social Science	3		Elective in Social Science	3
	Commerce major	3		Commerce major	3
		16			17

SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
Sci.	105—Intro. to Biological Science	3	Sci.	106—Intro. to Biological Science	3
F.A.	160—Appre. of the Fine Arts	3	Phil.	200—Intro. to Philosophy	3
	or			or	
Ed.	210—Human Growth and Develop. I	3		Foreign Language	2
	Commerce major	4		Commerce major	6
		16		Second major	6

JUNIOR YEAR				
S.S.	300—Current World Problems	3	Ed. 300—Intro. to Student Teaching	1
	Commerce major	6	Commerce major	6
	Second major	6	Second major	6
	Elective	2	Elective	2
		<hr/> 17		<hr/> 15

SENIOR YEAR				
Hist.	400—American Foundations	3	Ed. 477—Professional Semester	15
	Commerce major	6	(The Professional Semester may be taken either semester of the senior year)	
	Second major	6		
		<hr/> 15		<hr/> 15

### Bachelor of Science Degree with an Area of Concentration in Business Administration

FRESHMAN YEAR				
Eng.	101—Writing and Speaking	3	Eng. 102—Writing and Speaking	3
	P.E. Activity course	1	P.E. Activity course	1
	Freshman Orientation	1	Ed. 100—Orientation in Education	1
Sci.	103—Intro. to Physical Science	3	Sci. 104—Intro. to Physical Science	3
Com.	101—Business Arithmetic	3	Com. 160—Intro. to Business	3
Hlth.	150—Personal Health	2	Math. 152—College Algebra	3
	Elective in Social Science	3	Psy. 153—General Psychology	3
		<hr/> 16		<hr/> 17

SOPHOMORE YEAR				
Eng.	201—Intro. to Literature	3	Eng. 202—Intro. to Literature	3
	Sci. 105—Intro. to Biological Science	3	Sci. 106—Intro. to Biological Science	3
F.A.	160—Appre. of the Fine Arts	3	Phil. 200—Intro. to Philosophy	3
	or	3	or	3
	Foreign language		Foreign language	
Com.	281—Principles of Accounting	4	Com. 282—Principles of Accounting	4
Ec.	201—Principles of Economics	3	Ec. 202—Economic Problems	3
		<hr/> 16		<hr/> 16

JUNIOR YEAR				
Com.	384—Intermediate Accounting	3	Com. 385—Intermediate Accounting	3
	Ec. 304—Marketing	3	Com. 221—Business English	3
Sp.	280—Basic Speech	3	Com. 360—Corporate Finance	3
Math.	353—Statistics	3	S.S. 300—Current World Problems	3
Com.	211—Beginning Typewriting	2	Math. 252—Mathematics of Finance	3
or		2		
Com.	212—Intermediate Typewriting	3		
	Elective in Social Science	3		
		<hr/> 17		<hr/> 15

SENIOR YEAR				
Hist.	400—American Foundations	3	Com. 450—Salesmanship	3
	Com. 461—Business Law	3	Com. 462—Business Law	3
Ec.	442—Money and Banking	3	Com. 465—Principles of Management	6
	Electives	7	Electives	6
		<hr/> 16		<hr/> 15

## 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 secretarial 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 Program

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
P.E.	Activity course	1	P.E.	Activity course	1
	Freshman Orientation	1	Com.	160—Intro. to Business	3
Com.	101—Business Arithmetic	3	Com.	212—Intermediate Typewriting	2
Com.	211—Beginning Typewriting	2	or		
or			Com.	213—Advanced Typewriting	4
Com.	212—Intermediate Typewriting	4	Com.	232—Intermediate Shorthand	3
Com.	231—Beginning Shorthand	4	or		
or			Com.	331—Dictation and Transcription	3
Com.	232—Intermediate Shorthand	3	Com.	221—Business English	2
Com.	237—Secretarial Skills	3	Com.	236—Clerical Office Machines	2
		<hr/> 17			<hr/> 17-18

## Two-Year Secretarial Program

## FIRST YEAR

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
P.E.	Activity course	1	P.E.	Activity course	1
	Freshman Orientation	1	Com.	160—Intro. to Business	3
Com.	101—Business Arithmetic	3	Com.	212—Intermediate Typewriting	2
Com.	211—Beginning Typewriting	2	or		
or			Com.	213—Advanced Typewriting	4
Com.	212—Intermediate Typewriting	4	Com.	232—Intermediate Shorthand	3
Com.	231—Beginning Shorthand	4	or		
or			Com.	331—Dictation and Transcription	3
Com.	232—Intermediate Shorthand	3	Com.	221—Business English	3
Com.	237—Secretarial Skills	3			
		<hr/> 17			<hr/> 15-16

## SECOND YEAR

First Semester			Second Semester		
Com.	331—Dictation and Transcription	3	Com.	232—Secretarial Procedure and Practice	3
or			Ec.	202—Economic Problems	3
Com.	333—Advanced Dictation and Transcription	4	Com.	282—Principles of Accounting	4
Ec.	201—Principles of Economics	3	Com.	236—Clerical Office Machines	2
Com.	281—Principles of Accounting	4		Electives	4-5
Com.	213—Advanced Typewriting	2			
P.S.	241—Government of the U.S.	3			
	Electives	2			
		<hr/> 17			<hr/> 16-17

## Suggested One-Year Clerical Program

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
P.E.	Activity course	1	P.E.	Activity course	1
Com.	101—Business Arithmetic	3	Com.	212—Intermediate Typewriting	2
Com.	211—Beginning Typewriting	2	or		
or			Com.	213—Advanced Typewriting	2
Com.	212—Intermediate Typewriting	2	Com.	236—Clerical Office Machines	2
Com.	160—Intro. to Business	3	Com.	237—Secretarial Skills	3
	Freshman Orientation	1	Com.	221—Business English	3
Psy.	153—General Psychology	3	Sp.	280—Basic Speech	3
		16			17

NOTE: One semester of Accounting (Commerce 281) is recommended.

## Suggested Two-Year Clerical Program

FIRST YEAR					
First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
Com.	101—Business Arithmetic	3	Com.	212—Intermediate Typewriting	2
Com.	211—Beginning Typewriting	2	or		
or			Com.	213—Advanced Typewriting	2
Com.	212—Intermediate Typewriting	2	Com.	236—Clerical Office Machines	2
Com.	160—Intro. to Business	3	Com.	237—Secretarial Skills	3
P.E.	Activity course	1	Soc.	201—General Sociology	3
	Freshman Orientation	1	P.E.	Activity course	1
Psy.	153—General Psychology	3		Elective	2
		16			16
SECOND YEAR					
First Semester			Second Semester		
Ec.	201—Principles of Economics	3	Ec.	202—Economic Problems	3
Com.	281—Principles of Accounting	4	Com.	282—Principles of Accounting	4
Com.	213—Advanced Typewriting	2	Ec.	304—Marketing	3
Com.	221—Business English	3	Com.	450—Salesmanship	3
Com.	364—Personal Finance	2		Electives	3
Sp.	280—Basic Speech	3			17
		17			16

## DESCRIPTION OF COURSES

**Commerce 101. Business Arithmetic. Three hours.**

Includes basic fundamentals of mathematics: fractions, decimals, and percentages; and an introduction to financial mathematics as it deals with overhead and profit, wages and salary records, borrowing and lending of money, stocks and bonds, insurance, depreciation, and taxes.

**Commerce 160. Introduction to Business. Three hours.**

Basic survey course covering management, business organization, marketing, retailing, banking and finance, business risks and insurance.

**Commerce 210. Personal Typewriting. Two hours.**

A course in beginning typewriting for non-business majors and minors. Business majors and minors must take Commerce 211 or 212. Students who have had more than one semester of typewriting in high school should take Commerce 211 as an elective.

**Commerce 211. Beginning Typewriting. Two hours.**

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 in Commerce 212. A beginning course that develops the basis for vocational skill in typewriting.

**Commerce 212. Intermediate Typewriting. Two hours.**

Prerequisite: Commerce 211 or one unit of typewriting in high school.

A continuation of Commerce 211 with emphasis on speed and control in the production of mailable copy.

**Commerce 213. Advanced Typewriting. Two hours.**

Prerequisite: Commerce 212.

Specific problems of production work that would be encountered in an office.

**Commerce 221. Business English. Three hours.**

Prerequisites: English 102 and Commerce 211, its equivalent, or by permission of the instructor.

**Commerce 231. Beginning Shorthand. Four hours.**

Gregg shorthand theory, including beginning dictation and pre-transcription training. Students who have received one unit of high school credit in shorthand are not permitted to enroll in this course for credit. Five class periods a week.

**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 and five-minute dictation tests with attention to vocabulary building.

**Commerce 236. Clerical Office Machines. Two hours.**

Prerequisite: Commerce 101 or consent of instructor.

A basic survey course which introduces the 10-key adding and listing machine; the full keyboard adding and listing machine; the key-driven calculator; and three popular brands (or makes) of rotary calculators.

**Commerce 237. Secretarial Skills. Three hours.**

Prerequisite: Commerce 211 or 212.

Adjustment to and proficiency in use of electric typewriters; operation of and comparative data on duplicating processes; transcribing and dictating equipment; office etiquette and grooming; and personal application letters and employment interviews. Records management emphasis on alphabetic, subject, numeric, and geographic filing with orientation to several special types of the most-used, commercially-prepared filing systems.

**Commerce 281. Principles of Accounting. Four hours.**

(Formerly Commerce 381)

Prerequisite: Commerce 101 or Mathematics 152.

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; business practices and procedures. Three lecture-discussion periods and two hours of laboratory work per week.

**Commerce 282. Principles of Accounting. Four hours.**

(Formerly Commerce 382)

Prerequisite: Commerce 281.

Accounting for partnership formation, operation, dissolution and liquidation. Corporate accounts and records; corporate earnings; corporate ownership. Accounting for manufacturing firms; basic 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 331. Dictation and Transcription. Three hours.**

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

Review of basic principles. Increased emphasis on speed in recording and transcribing with the goal of mailable letters. Use of dictionaries and reference manuals stressed.

**Commerce 332. Secretarial Procedure and Practice. Three hours.**

Prerequisite: Commerce 331.

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

**Commerce 333. Advanced Dictation and Transcription. Three hours.**

Prerequisite: Commerce 331.

Dictation and transcription of five-minute speed tests and mailable letters of increased difficulty. Office-style dictation and transcription of business correspondence taken in the offices of college personnel.

**Commerce 360. Corporate Finance. Three hours.**

Prerequisite: Commerce 281 and Economics 201.

Financial aspects of business organization, regulation of business; corporate securities, their nature and distribution; promotion and



financing, working capital, administration of income, expansion and combination, readjustment, reorganization, receivership, and dissolution.

**Commerce 362. Consumer Education. Three hours.**

(Also Home Economics 362)

Prerequisite: Economics 201.

Selection of consumer goods and services; buying habits; legislation and controls affecting branding, labeling and other industrial and economic problems that affect standards of living. Projects, files, and special reports.

**Commerce 364. Personal Finance. Two hours.**

Banking, investments and budgets; purchase, financing, and ownership of real estate; consumer credit; insurance. Recommended for students who plan to take only one course in finance.

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

Prerequisites: Commerce 212 and 232.

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

**Commerce 383. Income Tax Procedure. Three hours.**

Prerequisite: Commerce 282.

Federal tax legislation and returns for individuals, partnerships, and corporations; application of accounting principles to tax problems.

**Commerce 384. Intermediate Accounting I. Three hours.**

(Formerly Commerce 481G)

Prerequisite: Commerce 282.

Review of the accounting process; financial statements, analysis of working capital accounts; accounting procedure for plant and equipment, acquisition, use, and retirement; investments; intangible assets; long-term debt, and accounting for stockholders' equity. Emphasis throughout is on accounting for the corporation.

**Commerce 385. Intermediate Accounting II. Three hours.**

Prerequisite: Commerce 384.

A continuation of 384. Statement analysis and interpretation; application of funds, consolidated statements. Special partnership accounting problems in the areas of formation, operation, dissolution, and liquidation will be considered. Joint venture accounting; preparation of statements from incomplete data.

**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; practical application and development of sales techniques by demonstration; and the selection, training and promotion of salesmen.

**Commerce 451G. Retail Merchandising. Three hours.**

Prerequisite: Commerce 350.

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.**

Designed to acquaint the student with the basic principles of law as they apply to business. Areas include: social forces and the law, legal rights and remedies, court procedure, contracts, agency, employment, negotiable instruments, personal property, bailments, and partnerships.

**Commerce 462G. Business Law. Three hours.**

A continuation of Commerce 461G. Areas include: insurance, suretyship and guaranty, corporations, real property, mortgages and leases, trusts and estates, bankruptcy, and government regulation.

**Commerce 465G. Principles of Management. Three hours.**

Prerequisites: Commerce 282 and Economics 201.

History of management; the management process; the principles of management and their application in the operations of business. The fundamental concepts of management will be applied to such areas of business activity as organization, personnel, production, and research.

**Commerce 471. Seminar. One hour.**

Provides an opportunity to become familiar with the literature in the field of business education and to study special problems in connection with the business 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 281 and 282.

Different methods of presentation; evaluation of texts; test construction and evaluation; supplementary reading and collateral materials available to the teacher. Each student prepares lesson plans and teaches at least two demonstration lessons.

**Commerce 476G. Special Problems. One to three hours, arranged.**

Prerequisites: Senior student or graduate student standing and consent of instructor.

Provides 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.

**Commerce 480. Cost Accounting. Three hours.**

Prerequisites: Commerce 281 and 282.

Areas covered include the voucher system and factory ledger; accounting for materials, labor, and manufacturing expenses; job order cost accounting; process cost accounting; estimated cost procedures; joint and by-products costing; standard costs. Emphasis throughout the course is on the control and classification of costs.

**Commerce 482G. Advanced Accounting. Three hours.**

Prerequisite: Commerce 385.

Consignments; agency and branch accounts; special problems in statement construction and stock ownership; receivership accounts and statements; accounting for estates and trusts; actuarial science.

**Commerce 483G. Auditing. Three hours.**

Prerequisites: Commerce 384 and 385.

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.**

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

**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; curriculum trends; and application of research findings.

**Commerce 510. Personnel Management. Three hours.**

Prerequisites: Graduate standing and permission of the instructor.

To provide a basic knowledge of those personnel management

principles and practices that have proved to be sound in the light of current research. Included in the course will be such topics as job requirements, selection techniques and procedures, testing programs, facilitation of employee adjustment, wage and salary administration, legal aspects of labor relations and financial incentives.

**Commerce 580. Managerial Accounting. Three hours.**

Prerequisites: A course in accounting or permission of instructor.

Basic financial accounting, financial statement, analysis; control concepts, budgeting, planning capital acquisitions, opportunity costs, and recent evolution in accountancy will serve as typical units of study. This course is designed for the student who plans to use accounting as a tool rather than as a practitioner.

### HOME ECONOMICS

**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 contribute to the general education of students regardless of their field of study.
6. To encourage and provide for continued professional growth of graduates through in-service programs and opportunities for advanced study.

**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, 351, 355, 362, 431, 451, 452, 453, 454, 470 and 476----- 52

## Additional requirements in other fields:

Freshman Orientation .....	1
Fine Arts 160 and Art 291 or an approved substitute	5
Science 105 .....	3
Biology 317 .....	4
Chemistry 111 and 112 (Special sections).....	8
Economics 201 .....	3
Education 100, 210, 300, and 477.....	20
English 101, 102, 201, and 202.....	12
Social Science 300 and History 400.....	6
Physical Education .....	2
Sociology 201 .....	3
Psychology 153 .....	3
Philosophy 200 .....	3
Electives .....	3
Minimum for the degree .....	128

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

Home Economics 130, 140, 141, 231, 251, 303, 351, 451, 452, and 453 .....	29
(Other combinations for this major may be arranged with the approval of the department.)	

Major in Home Economics with emphasis on Foods and Nutrition\*: (non-teaching)

Home Economics 130, 140, 231, 251, 331, 430, 431, 432, 433, and 452 .....	29
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Major in Home Economics with emphasis on Textiles and Clothing\*: (non-teaching)

Home Economics 130, 140, 141, 241, 303, 341, 362, 440, 441, 451, and 452 .....	29
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Minor in Home Economics: (non-teaching)

Home Economics 130, 141, 351, 362, and 453.....	15
Electives in Home Economics approved by the department..	6
Total .....	21

\*Chemistry 111 and 112 are required and may be substituted for Science 103 and 104.

*For a Minor:*

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

### Provisional High School Certificate with an Area of Concentration in Vocational Home Economics

#### 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
H.Ec.	101—Personal and Family Living	3	H.Ec.	130—Elem. Foods and Nutrition	3
H.Ec.	140—Elementary Textiles	3	H.Ec.	141—Clothing Design and Const.	3
Soc.	201—General Sociology	3	Psy.	153—General Psychology	3
Chem.	111—General Chemistry	4	Chem.	112—General Chemistry	4
17			17		

#### SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
P.E.	Activity course	1	P.E.	Activity course	1
F.A.	160—Appre. of the Fine Arts	3	Phil.	200—Intro. to Philosophy	3
	or	3	H.Ec.	251—Household Equipment	3
	Foreign Language	3	Sci.	105—Intro. to Biological Science	3
Ed.	210—Human Growth and	3	Ec.	201—Principles of Economics	3
	Develop. I	3			
H.Ec.	231—Food for the Family	3			
H.Ec.	241—Family Clothing Problems	3			
16			16		

#### JUNIOR YEAR

First Semester			Second Semester		
Ed.	300—Intro. to Student Teaching	1	H.Ec.	355—Child Development	3
Biol.	317—Bacteriology	4	H.Ec.	451—Home Furnishings	3
H.Ec.	303—Home Nursing and	3	H.Ec.	452—Home Management	2
	Family Health	3	H.Ec.	362—Consumer Education	3
S.S.	300—Current World Problems	3	H.Ec.	476—Special Problems in	1-3
H.Ec.	351—Housing	3		Home Ec.	3
Art	291—Color and Design	2		Elective	3
16			15-17		

#### SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	Ed.	477—Professional Semester	15
H.Ec.	431—Advanced Nutrition	3		(Includes 8 hours of credit	
H.Ec.	453—Problems of the Family	3		in Student Teaching in	
H.Ec.	454—Home Management House	3		Home Economics)	
H.Ec.	470—Methods in Teaching Voc.	4			
	Home Economics	4			
16			15		

### DESCRIPTION OF COURSES

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

Understanding the college program in home economics and professional opportunities offered; History of the Home Economics Movement; 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. Two lecture-discussion periods and one two-hour laboratory period per week.

**Home Economics 130. Elementary Foods and Nutrition. Three hours.**

Study and application of the scientific principles and techniques involved in the selection and preparation of foods for adequate meals. Two lecture-discussion periods and one two-hour laboratory period per week.

**Home Economics 135. Nutrition for Nurses. Three hours.**

Principles of human nutrition; study of food nutrients; digestion, absorption and metabolism; dietary requirements for different ages, sexes and life conditions.

**Home Economics 140. Elementary Textiles. Three hours.**

A study of fibers, yarns, construction of fabrics, and finishes, use and care of the 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.**

Prerequisites: Home Economics 140.

Principles of design as applied to selection of clothing; fundamentals of clothing, construction, and fitting; interpretation and use of commercial patterns in construction of garments from materials suited to individual student problems; use and care of sewing machines and attachments. One lecture-discussion period and two two-hour laboratory periods per week.

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

Principles of food preservation and storage; study, planning, preparation and serving of meals to meet the dietary needs of the family; meals at various cost levels. One lecture-discussion period and two two-hour laboratory periods per week.

**Home Economics 241. Family Clothing Problems. Three hours.**

Prerequisite: Home Economics 141.

A study of essential factors entering into a wise selection of clothing for all family members. 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.**

Basic physical laws; construction processes; study and evaluation of available makes of each type of equipment; principles of electricity; use, care, and simple repair of home equipment. Two lecture-discussion periods and one two-hour laboratory period 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.**

Problems in maintenance of individual and family health; principles and techniques applicable to the care of the sick and injured at home. Two lecture-discussion periods and one two-hour laboratory period per week.

**Home Economics 320. Elements of Nutrition. Three hours.**

Prerequisite: Major in Health and Physical Education or consent of instructor.

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, and nutritional needs 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 341G. Advanced Clothing. Two hours.**

Prerequisites: Home Economics 241 and Art 292.

Application of principles of costume design to flat-pattern designing and draping using original designs by the students. Development of techniques in use of new fibers; new and different finishing techniques. One lecture-discussion period and one two-hour laboratory period per week.

**Home Economics 351. 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. Three lecture-discussion periods per week.

**Home Economics 355. Child Development. Three hours.**

Constructive approaches to rearing of children from birth to six

years; behavior characteristics commonly accompanying growth and development with emphasis on constructive ways to guide children through these stages; directed experiences in observing and working with pre-school children. One lecture-discussion period and two two-hour laboratory periods per week.

**Home Economics 362. Consumer Education. Three hours.**

Prerequisite: Economics 201.

Selection of consumer goods and services; buying habits; legislation and controls affecting branding, labeling and other industrial and economic problems that affect standards of living. Projects, files, and special reports.

**Home Economics 430. Organization and Management of Food Service. Three hours.**

Prerequisite: Foods and Nutrition Major or consent of instructor.

Related to quantity cookery as to food cost, menus, personal and equipment layout. Three lecture-discussion periods per week.

**Home Economics 431. Advanced Nutrition. Three hours.**

A study of the nutritive requirements of the body; energy metabolism; weight control; digestion and enzymes; national and world problems of nutrition; diet in common diseases; infant feeding; geriatrics. Three one-hour lecture-discussion periods per week.

**Home Economics 432G. Quantity Cookery. Three hours.**

Prerequisite: Home Economics 430 or consent of instructor.

Menu planning; amounts needed to serve groups of various sizes; food cost; 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 433. Diet in Disease. Three hours.**

Prerequisite: Advanced Nutrition.

A study of modifications in the normal diet for various diseases. Will include detailed laboratory experience in calculations and experimentation. Two lecture-discussion periods and one two-hour laboratory period per week.

**Home Economics 440G. Advanced Textiles. Two hours.**

Prerequisites: Home Economics 140 and Chemistry 111 and 112.

Analysis of fabrics including special problems work by students; textile standardization and legislation; survey of research in textiles. Two two-hour lecture-discussion periods per week.

**Home Economics 441G. Tailoring. Three hours.**

Prerequisite: Home Economics 241.

Selection, fitting, and construction of a tailored garment based upon individual problems. Required construction of a wool suit or coat. One lecture-discussion period and two two-hour laboratory periods per week.

**Home Economics 451G. Home Furnishings. Three hours.**

Principles of design and their application to treatment of interiors; selection of furniture, furnishings, and accessories; proper treatment of walls, floors, and windows. Practical problems are carried out. 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 453. 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. Three lecture-discussion periods per week.

**Home Economics 454. Home Management House. Three hours.**

Prerequisites: Home Economics 231, 351, and 452.

Experience in the practical aspects of homemaking; opportunity for social experiences and group relationships. 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: Junior or Senior standing in Home Economics.

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 476. Special Problems in Home Economics. One-Three hours.**

Prerequisite: Home Economics Major.

Additional work in one phase of the home economics program must be taken by each student working toward an area in Vocational Home Economics. The problem is chosen at the time of registration with the approval of the head of the department. All students taking this course will meet as a group on three or more scheduled hours during the semester and by arrangement with her assigned advisor.

**Home Economics 480. Textile Decoration. Three hours.**

Prerequisites. Art 291 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

**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 provide in-service programs and professional services for those persons interested in industrial arts education.

**Requirements:****For an Area of Concentration in Industrial Arts:**

9-12 hours in Drafting selected from: 103, 203, 303, 305, or 404. (Art 101 may be substituted with the consent of the student's advisor).

6-11 hours in Woods selected from: 111, 210, 211, or 311

6-12 hours in Metal selected from: 186, 283, 286, 386, 388, or 488.

- 6-12 hours in Graphic Arts.
- 6-12 hours in Electricity-Electronics.
- 3 hours in General Plastics.
- 2 hours in Industrial Design.
- 8 hours in professional and special courses.
- 6 hours elective in Industrial Arts.

Minimum for the Area ----- 52

**For a Major in Industrial Arts:**

- 9 hours in Drafting selected from: 103, 203, 303, 305, or 404.
- 15 hours to be selected from: Woods, Metals, Electricity and Graphic Arts.  
(Students will elect courses through the counsel of their advisors, but they must elect no less than three semester hours and not more than nine semester hours in three of the four representative areas.)
- 1 hour in Special Problems: 476.
- 5 hours in professional and special courses selected from: 100, 300, 471, or 475.

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30 hours minimum

**For a Major in Industrial Technology:**

- 3 hours in Drafting selected from: 103, 203, 303.
- 9-12 hours in student's special area of interest (i.e., Technical Drafting, Architectural Drafting, Woods Technology, Metals Technology, Electricity-Electronics and/or Graphic Arts.)
- 12-18 hours in Industrial Arts electives within two areas related to special field of interest.

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30 hours minimum

**For a Minor in Industrial Arts:**

- 3 hours in Technical Drawing, 103.
- 12 hours in Industrial Arts electives to be selected from four areas with counsel of advisor.
- 3 hours in Industrial Arts for Elementary Teachers, 320.

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18 hours

Note: Students may have introductory courses waived, providing they can furnish satisfactory evidence of past experience in the subject matter field and can pass proficiency examinations.

Additional requirements in other fields:	Sem. Hrs.
English 101, 102, 201, and 202 -----	12
Science 105 and 106 -----	6
*Physics 131 and 132 or Chemistry 111 and 112 -----	8
Economics 201, Sociology 201, History 132, Geography 211, or Economics 302 -----	6
History 300 and 400 -----	6
*°Fine Arts 160 -----	3
*°Philosophy 200 -----	3
Psychology 153 -----	3
Health 150 -----	2
Physical Education (two activity courses) -----	2
Freshman Orientation -----	1
<b>Total -----</b>	<b>50-52</b>

\*Students may elect to substitute Science 103 and 104 for Physics or Chemistry requirement in the Industrial Arts Major and Area of Concentration with consent of advisor.

\*\*Foreign languages may be substituted for Fine Arts and Philosophy.

Professional Education Requirements ----- 20 hours

### 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 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
	Freshman Orientation 1	Ed.	100—Orientation in Education 1
P.E.	Activity course 1	P.E.	Activity course 1
Sci.	103—Intro. to Physical Science 3	I.A.	100—Intro. to Industrial Arts 1
I.A.	103—Elem. Mechanical Drawing 3	Sci.	104—Intro. to Physical Science 3
Hlth.	150—Personal Health 2	I.A.	203—Advanced Mechanical Drawing 3
	Elective in Social Science 3		Second major 3
	<hr/>		<hr/>
	16		15

##### SOPHOMORE YEAR

First Semester		Second Semester	
Eng.	201—Intro. to Literature 3	Eng.	202—Intro. to Literature 3
Sci.	105—Intro. to Biological Science 3	Sci.	106—Intro. to Biological Science 3
Psy.	153—General Psychology 3	Ed.	210—Human Growth and Develop. I 3
F.A.	160—Apprec. of the Fine Arts or Foreign Language 3	Phil.	200—Intro. to Philosophy or Foreign Language 3
	Industrial Arts major 3		Second major 3
	Elective 2		Elective 2
	<hr/>		<hr/>
	17		17

## JUNIOR YEAR

First Semester		Second Semester		
I.A.	304—Housing	3	Ed. 300—Intro. to Student Teaching	1
I.A.	476—Special Problems	1	S.S. 300—Current World Problems	3
	Elective in Social Science	3	I.A. 300—General Shop Organization	3
	Industrial Arts major	3	or	
	Second major	6	I.A. 475—Teaching Industrial Arts	3
			Industrial Arts major	3
			Second major	6
		16		16

## SENIOR YEAR

First Semester		Second Semester		
Hist.	400—American Foundations	3	Ed. 477—Professional Semester	15
I.A.	471—Seminar	1	(The Professional Semester	
	Industrial Arts major	6	may be taken either se-	
	Second major	6	mester of the senior	
			year.)	
		16		15

### Bachelor of Science or Bachelor of Arts Degree with a Major in Industrial Technology\*

## FRESHMAN YEAR

First Semester		Second Semester		
Eng.	101—Writing and Speaking	3	Eng. 102—Writing and Speaking	3
	Freshman Orientation	1	Sci. 106—Intro. to Biological Science	3
P.E.	Activity course	1	Math. 141—Plane Trigonometry	3
I.A.	103—Technical Drawing I	3	Hlth. 150—Personal Health	3
Sci.	105—Intro. to Biological Science	3	I.A. 203—Technical Drawing II	3
Math.	152—College Algebra	3	Second major	3
Psy.	153—General Psychology	3		
		17		17

## SOPHOMORE YEAR

First Semester		Second Semester		
Eng.	201—Intro. to Literature	3	Eng. 202—Intro. to Literature	3
Chem.	111—General Chemistry	4	Chem. 112—General Chemistry	4
or			or	
Phys.	131—Elementary Physics	1	Phys. 132—Elementary Physics	3
P.E.	Activity course	1	Phil. 200—Intro. to Philosophy	3
F.A.	160—Apprec. of the Fine Arts	3	or	
	Foreign Language	3	Foreign language	6
	Major requirement	3	Major requirements	
	Second major	3		
		17		16

\*Persons working toward the Bachelor of Arts Degree must meet special requirements including six (6) hours of mathematics and twelve (12) hours of one foreign language. This can be partially accomplished by substituting a language for F.A. 160 and Phil. 200.

## JUNIOR YEAR

First Semester		Second Semester		
	Social Studies Elective	3	S.S. 300—Current World Problems	3
	General Elective	3	Social Studies Elective	3
	or		Major requirements	3
	Foreign language	9	General Elective	3
	Second major		or	
			Foreign language	3
			Second major	3
		15		15

## SENIOR YEAR

First Semester		Second Semester		
Hist.	400—American Foundations	3	General electives	3
	Major electives	6	Major electives	6
	Second major	6	Second major	6
I.A.	476—Special Problems	1		
		16		15



## DESCRIPTION OF COURSES

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

Prerequisite: An interest in Industrial Arts as a field of study.

The identification of the major industries and the development of an understanding of their impact upon society; the role of the school in an industrial culture; the nature and function of industrial arts; specific teaching competencies of the professional industrial arts teacher; an introduction to concepts of industrial arts. One lecture-discussion period each week.

### **Industrial Arts 103. Elementary Mechanical Drawing. Three hours.**

Students are introduced to principles and techniques of communicating ideas by means of graphic representation. Lettering, geometric construction, technical sketching, multiview, section views, auxiliary views, revolutions, dimensioning, reproduction of drawings, and the care and use of drawing equipment and supplies are the major units of instruction. One lecture-discussion period and four laboratory periods 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 products in art metal, bench metal, metal spinning and sheet metal with related technical information. One lecture-discussion and four laboratory periods each week.

### **Industrial Arts 203. Advanced Mechanical Drawing. Three hours.**

Prerequisite: Industrial Arts 103 or consent of instructor.

This course builds upon a background of principles and techniques developed previously. Pictorial representation, threads and fasteners, working drawings, shop processes, intersections and developments, cams and gears, and patent drafting are the major units of study. One lecture-discussion period and four laboratory periods each week.

**Industrial Arts 210. Woodturning. Two hours.**

Prerequisite: Industrial Arts 111 or consent of 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 and 186 or consent of instructor.

Instruction is provided for those persons who desire to specialize in the area of metals. By designing, laying out, and fabricating various products, the student is introduced to basic problems, practices and processes of converting sheet stock into useful products. One lecture-discussion and four laboratory periods 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 vital phase of the instruction. One lecture-discussion and four laboratory periods each week.

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

Prerequisite: Second semester junior or first semester senior standing.

Students will be introduced to concepts of organization and administration of the general shop. Individual and group problems will involve identification and understanding of major concepts in industry which may be taught by integrating tools, materials, and processes. Students will be expected to do minor research. Two lecture-discussion periods and two laboratory periods each week.

**Industrial Arts 303. Technical Illustration. Three hours.**

Prerequisite: Industrial Arts 203.

Students will be introduced to principles, practices and techniques used in industry to describe complex mechanisms. Pictorial representation, shading, photo re-touching, air-brush techniques,

special instruments, and reproduction of illustrations are the major units of study. Two lecture-discussion periods and two laboratory periods each week.

**Industrial Arts 305. Housing. Three hours.**

Prerequisite: Industrial Arts 103 or consent of instructor.

Students are introduced to the problems, practices and techniques of the housing industry. House planning and model construction, legal and financial considerations, mechanical components, organization and implications of the small homes industry, materials and techniques of construction employed by the industry, and techniques of non-mechanical graphic representation are the major units of study. Two lecture-discussion and two laboratory periods per week.

**Industrial Arts 311. 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 pre-service and in-service elementary school teachers so they may enrich and strengthen programs of instruction by using industrial arts as both method and content. Two periods of lecture-discussion and two periods of laboratory experience each week.

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

Non-technical instruction is provided for those interested in home design and fabrication 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 386G. Welding. Two hours.**

Prerequisite: Industrial Arts 286 or consent of instructor.

Laboratory experiences in the field of welding to include oxy-acetylene and AC/DC electric arc welding and cutting. A study of techniques, materials, processes, and care and use of equipment will be made and individual problems completed. Art majors electing this class will be taught special units in brazing and hard soldering. One lecture-discussion period and two laboratory periods per week.

**Industrial Arts 388. Machine Shop I. Three hours.**

(Formerly Machine Shop)

Prerequisite: Industrial Arts 286.

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

**Industrial Arts 404G. Architectural Drawing. Three hours.**

(Formerly Industrial Arts 304)

Prerequisite: Industrial Arts 305. (Students enrolled in I.A. 304 prior to the 1963-64 fall term may not take this class for credit.)

A technical course covering the fundamental principles, techniques and practices of residential and selected commercial architecture. Individual and group design problems will involve the preparation of specifications, cost estimations, graphic and/or empirical evaluation of structural elements and design feasibility, landscape, and a complete set of working plans which will include necessary details and presentations of both the interior and exterior. Two lecture-discussion periods and two laboratory periods each week.

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

Prerequisite: Upper division standing.

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 programs of industrial education. Three lecture-discussion periods each week.

**Industrial Arts 471. Seminar. One hour.**

Prerequisite: Second semester junior or senior standing.

Students will be expected to assist in identifying problems and

issues as reflected in the current professional literature. Through informal discussions, participants will be expected to develop a further understanding of the underlying concepts of industrial education. One session each week.

**Industrial Arts 475G. Teaching Industrial Arts. Three hours.**

Prerequisite: Second semester junior or senior standing. (Should be taken just prior to Professional Semester.)

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-three hours.**

Prerequisite: Upper division standing.

Designed for the purpose of permitting a student to do advanced work as a continuation of an earlier experience or to work in an area of special interest. The topic for investigation must be selected and approved prior to registration. Students will meet with their assigned advisor and agree upon arrangements, procedures and requirements.

**Industrial Arts 488G. Machine Shop II. Three hours.**

Prerequisite: Industrial Arts 388.

The course will consist of advanced machining of steel and cast iron, advanced metallurgy, precision measurement, and carbide cutting tools. Requirements will include the completion of a product designed, drawn, and machined by the student(s) with emphasis upon proper selection of machines, industrial practices and techniques. One lecture-discussion and four laboratory periods per week.

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

Prerequisite: Area of concentration or major in Industrial Arts.

Problems to be considered will include: program planning and development; state and federal legislation; planning industrial education 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: Undergraduate area of concentration or major in Industrial Arts.

This course offers the opportunity and challenge of a self-

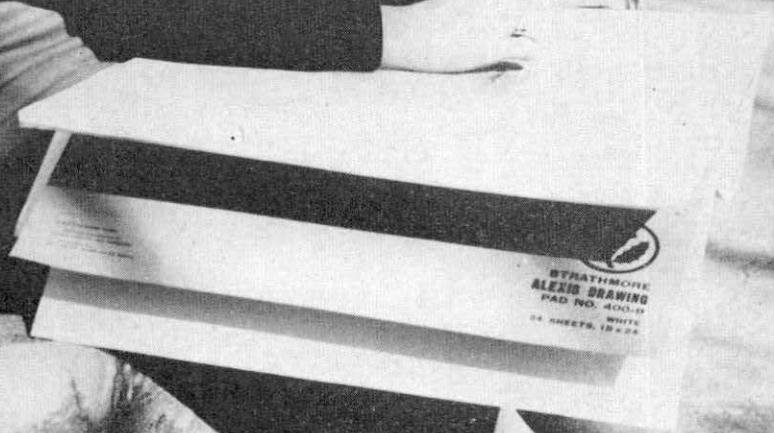
directed independent study on a special problem. Students must present a suggested problem as well as a justification for the study in writing. Each request will be considered on its own merit in relation to the special needs of the student. Classes by arrangement.

**Industrial Arts 575. Analysis of Research. Two hours.**

Prerequisite: Advanced graduate standing or consent of 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. Two lecture-discussion periods each week.





**Division of Fine Arts**



### *Division of Fine Arts*

Mr. Duncan, Chairman	Mr. Fulbright	Mr. Mumper
Mr. Anderson	Mrs. Fulbright	Mr. Pescor
Mr. Bangham	Mr. Holloway	Mrs. Severy
Mr. Beane	Mr. Huffman	Miss Smith
Mrs. Claypool	Mr. Lesueur	Mr. Stetler
Mr. Diehl	Miss Manburg	Mr. Svec
Mr. Fry	Mr. Marzan	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.

### DESCRIPTION OF COURSES

**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 performances.

**Fine Arts 187-488VG. 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.

**Fine Arts 560. Comparative Arts. Three hours.**

A study of music, literature, and the visual arts in relation to their social, religious, and historical backgrounds. Emphasis is placed on aesthetic and philosophical interrelationships. Recommended as general course for students from any field of study.

### ART

**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:*<sup>o</sup>

	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:*<sup>o</sup>

Art 101, 121, 161, 202 or 291, 221, 263 or 264 or 465, 311 or 314, 321, 341, and 471	21
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*For an Area of Concentration in Art:*<sup>o</sup>

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
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<sup>o</sup>Students wishing to have this certificate validated for service in the elementary grades must include Education 333—Fundamentals of Elementary Education—in their programs. This course is offered only during summer sessions.

## 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
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
Sci.	103—Intro. to Physical Science	3	Sci.	104—Intro. to Physical Science	3
Art	101—Drawing	2	Art.	202—Composition and Drawing	2
Art	121—School Art I	3	Art	161—Art Appreciation	3
P.E.	Activity course	1	Hlth.	150—Personal Health	2
	Elective in Social Science	3	Psy.	153—General Psychology	3
		16			17

## SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
Sci.	105—Intro. to Biological Science	3	Sci.	106—Intro. to Biological Science	3
F.A.	160—Appre. of the Fine Arts	3	Phil.	200—Intro. to Philosophy	3
	or			or	
	Foreign Language		Ed.	210—Human Growth and Development I	3
Art	263—Hist. of Arch. and Sculpture	3	Art	292—Costume Design II	2
Art	291—Color and Design	2	Art	264—History of Painting	3
Art	221—School Art II	2			
P.E.	Activity course	1			
		17			17

## JUNIOR YEAR

First Semester			Second Semester		
Art	303—Studio Problems	2	Ed.	300—Intro. to Student Teaching	1
Art	304—Figure Drawing & Composition	2	S.S.	300—Current World Problems	3
Art	311—Oil Painting I	2	Art	314—Water Color Painting I	2
Art	341—Crafts I	2	Art	321—Mat. and Meth. for Sec. Art	2
Art	381—Commercial Art I	2	Art	394—Stage Des. & Marionette Prod.	2
	Elective in Social Science	3	Art	412—Oil Painting II	2
	Elective	2	Art	482—Commercial Art II	2
				Elective	3
		15			17

## SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	Ed.	477—Professional Semester	15
Art	413—Portrait Painting	2		(The Professional Semester may be taken in either semester of the senior year.)	
Art	415—Water Color Painting	2			
Art	455—Adv. Art Problems	3			
Art	465—Modern and Contemporary Art	3			
Art	471—Seminar	1			
		14			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
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
Sci.	103—Intro. to Physical Science	3	Sci.	104—Intro. to Physical Science	3
Art	101—Drawing	2	Art	121—School Art I	3
Art	161—Art Appreciation	3	Hlth.	150—Personal Health	2
	Elective in Social Science	3		Second Major	3
P.E.	Activity course	1	P.E.	Activity course	1
		16			16

## SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
Sci.	105—Intro. to Biological Science	3	Sci.	106—Intro. to Biological Science	3
Psy.	153—General Psychology	3	Ed.	210—Human Growth and Develop. I	3
F.A.	160—Appre. of the Fine Arts	3	Phil.	200—Intro. to Philosophy	3
	or			Foreign Language	3
Art	221—School Art II	2	Art	202—Composition and Drawing	2
	Elective in Social Science	3		Second Major	3
		17			17

## JUNIOR YEAR

First Semester			Second Semester		
S.S.	300—Current World Problems	3	Ed.	300—Intro. to Student Teaching	1
Art	263—Hist. of Arch. & Sculpture	2	Art	321—Mat. & Meth. in Sec. Art	2
Art	or 264—History of Painting	3	Art	304—Figure Drawing and Comp.	2
Art	or 465—Modern & Contemporary Art	3	Art	381—Commercial Art I	2
				Second Major	6
Art	291—Color and Design	2		Elective	4
Art	311—Oil Painting I	2			
Art	or 314—Water Color Painting I	2			
	Second Major	6			
		16			17

		SENIOR YEAR			
		First Semester		Second Semester	
Hist.	400—American Foundations	3	Ed.	477—Professional Semester	15
Art	412—Oil Painting II			(The Professional Semester	
or		2		may be taken either	
Art	415—Water Color Painting II			semester of the senior	
Art	413—Portrait Painting	2		year.)	
Art	471—Seminar	1			
	Second Major	6			
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		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.

### 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 structures, 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 work, craft work 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 442. Crafts II. Two hours.**

This course is a continuation of Art 341.

**Art 451G. Water Color Painting II. Two hours.**

Prerequisites: Art 101, 202, or 291, and 314.

This course is a continuation of Art 314.

**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 465. 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 494G. Sculpture. Two hours.**

Research and creative experiences in the various techniques, media, tools and devices of sculpture. Emphasis on work with stone, wood, metal and plastics. Students are encouraged to experiment with new methods.

**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. 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

## 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 -----	7
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 non-piano majors).....	4
Organ (for piano majors).....	4
Junior Recital .....	1
Senior Recital .....	2
Ensembles .....	8
2. Theory .....	16-20
3. Conducting .....	2
4. History and Literature .....	8-12
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 .....	8
Recital of Original Compositions.....	2
Theory Electives .....	6
2. Applied Music .....	16-20
*Major Applied .....	6
Piano (for non-piano students).....	0-4
Class Instruments and Voice.....	3
Ensembles .....	7
3. History and Literature.....	8
4. Conducting .....	2
5. Music Education .....	6
(for students who expect to qualify for certification)	
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 at the secondary level. 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
	<hr/>
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
	<hr/>
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 or Instrument.....		6
**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
	<hr/>	
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 Theory

## 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.	103—Intro. to Physical Science	3	Sci.	104—Intro. to Physical Science	3
Psy.	153—General Psychology	3		Elective in Social Science	3
Hlth.	150—Personal Health	2	P.E.	Activity course	1
Mus.	131—Fund. of Music Theory I	3	Mus.	132—Fund. of Music Theory II	3
	Private Applied	1		Private Applied	1
	Large Ensemble	1		Class Piano	1
				Large Ensemble	1
		17			17

## SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
Sci.	105—Intro. to Biological Science	3	Sci.	106—Intro. to Biological Science	3
F.A.	160—Apprec. of the Fine Arts	3	Phil.	200—Intro. to Philosophy	3
	or	3		or	3
	Foreign Language			Foreign Language	
Mus.	161—Literature of Music	1	Mus.	162—Literature of Music	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
		17			17

## JUNIOR YEAR

First Semester			Second Semester		
Ed.	210—Human Growth and Develop. I	3	Ed.	300—Intro. to Student Teaching	1
P.E.	Activity course	1	S.S.	300—Current World Problems	3
Mus.	325—Mat. & Meth. for Elem. Grades	4	Mus.	375—Vocal Mat. and Methods	2
	or			or	
Mus.	361—History of Music I	3	Mus.	376—Instru. Mat. and Methods	3
Mus.	363—Intermediate Composition I	2	Mus.	362—History of Music II	3
	Private Applied	1	Mus.	364—Intermediate Composition II	2
	Class Applied	2		Theory elective	2
	Large Ensemble	1		Private Applied	1
		17		Class Applied	2
				Large Ensemble	1
		17			17

## SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	*Ed.	477—Professional Semester	15
	Elective in Social Science	3		(The Professional Semester may be taken either semester of the senior year.)	
Mus.	471—Choral Conducting	2			
	or				
Mus.	472—Instrumental Conducting	2			
Mus.	463—Advanced Composition I	2			
Mus.	470—Composition Recital	2			
	Theory Elective	2			
	Large Ensemble	1			
		15			15

\*During the professional semester the area student will divide his student teaching time generally as follows: one third of the total time at the elementary level, one third at the secondary instrumental level, and one third at the secondary vocal level. The student with a major in music will devote all of his time (in the music part of his student teaching) at the secondary level and in either instrumental or vocal teaching.

## Area of Concentration in Applied Music

## FRESHMAN YEAR

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
	Freshman Orientation	1	Sci.	104—Intro. to Physical Science	3
Sci.	103—Intro. to Physical Science	3	F.A.	160—Apprec. of the Fine Arts	3
Hlth.	150—Personal Health	2	P.E.	Activity course	1
P.E.	Activity course	1	Mus.	132—Fund. of Music Theory II	3
Mus.	131—Fund. of Music Theory I	3		Private Applied	2
	Private Applied	2		Large Ensemble	1
	Large Ensemble	1			
		<hr/> 16			<hr/> 16

## SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
Sci.	105—Intro. to Biological Science	3	Sci.	106—Intro. to Biological Science	3
Math.	152—College Algebra	3	Math.	141—Plane Trigonometry	3
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
		<hr/> 16			<hr/> 16

## JUNIOR YEAR

First Semester			Second Semester		
Psy.	153—General Psychology	3	Phil.	200—Intro. to Philosophy	3
	Foreign Language	3		Foreign Language	3
Mus.	361—History of Music I	3	Mus.	360—Junior Recital	1
	Theory Elective	2	Mus.	362—History of Music II	3
	Private Applied	2		Theory Elective	2
	Private Organ or Piano	1		Private Applied	1
	Large Ensemble	1		Private Organ or Piano	1
		<hr/> 15		Large Ensemble	1

## SENIOR YEAR

First Semester			Second Semester		
S.S.	300—Current World Problems	3	Hist.	400—American Foundations	3
	Foreign Language	3		Foreign Language	3
	Elective in Social Science	3		Elective in Social Science	3
Mus.	Theory Elective	2	Mus.	471—Choral Conducting	2
	Private Applied	2	or		
	Private Organ or Piano	1	Mus.	472—Instrumental Conducting	2
	Large Ensemble	1	Mus.	460—Senior Recital	2
	Music Elective	2		Theory Elective	2
		<hr/> 17		Private Organ or Piano	1
				Large Ensemble	1

## 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
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
Sci.	103—Intro. to Physical Sci.	3	Sci.	104—Intro. to Physical Sci.	3
Hlth.	150—Personal Health	2	Psy.	153—General Psychology	3
P.E.	Activity course	1	P.E.	Activity course	1
Mus.	131—Fund. of Music Theory I	3	Mus.	132—Fund. of Music Theory II	3
	Private Applied	1		Private Applied	1
	Class Piano	1		Class Piano	1
	Large Ensemble	1		Large Ensemble	1
		<hr/> 16			<hr/> 17



## SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
Sci.	105—Intro. to Biological Sci.	3	Sci.	106—Intro. to Biological Sci.	3
F.A.	160—Apprec. of the Fine Arts		Phil.	200—Intro. to Philosophy	
	or	3		or	3
	Foreign Language			Foreign Language	
Mus.	161—Literature of Music I	1	Mus.	162—Literature of Music II	1
Mus.	231—Fund. of Music III	3	Mus.	232—Fund. of Music IV	3
	Private Applied	1		Private Applied	1
	Class Applied	1		Class Applied	1
	Class Piano	1		Class Piano	1
	Large Ensemble	1		Large Ensemble	1
		<hr/> 17			<hr/> 17

## JUNIOR YEAR

First Semester			Second Semester		
Ed.	210—Human Growth and Develop. I	3	Ed.	300—Intro. to Student Teaching	1
	Elective in Social Science	3		Elective in Social Science	3
Mus.	325—Mat. & Meth. for El. Grades	4	S.S.	300—Current World Problems	3
	or		Mus.	375—Vocal Mat. and Methods	2
Mus.	471—Choral Conducting	2			
	Private Applied	1	Mus.	376—Instrumental Mat. and Meth.	2
	Class Applied	2			
	Large Ensemble	1	Mus.	361—History of Music II	3
	Applied Elective	1		Theory Elective	2
		<hr/> 17		Private Applied	1
				Class Applied	1
				Large Ensemble	1
					<hr/> 17

## SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	*Ed.	477—Professional Semester	15
Mus.	460—Senior Recital	2		Private Applied	0-1
Mus.	362—History of Music II	3		Large Ensemble	0-1
	Theory Elective	2		(The Professional Semester may be taken either semester of the senior year.)	
	Large Ensemble	1			
	Music Electives	4			
		<hr/> 15			<hr/> 15-17

\*During the professional semester the area student will divide his student teaching time generally as follows: one third of the total time at the elementary level, one third at the secondary instrumental level, and one third at the secondary vocal level. The student with a major in music will devote all of his time (in the music part of his student teaching) at the secondary level and in either instrumental or vocal teaching.

## 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. A piano major will elect band, orchestra, or a vocal ensemble for the purpose of satisfying this requirement. Each student will participate in an additional ensemble for four semesters. At least two semesters shall be taken in vocal ensembles.

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 a major or 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 full public senior recital for two hours credit; (2) prepare and present a half public senior recital for one hour credit; and (3) appear as a soloist in student recitals at least four times during the senior year for no credit. In each case the music to be performed must be approved in advance by the student's instructor. If the student elects one of the first two alternatives he must play a part or all of his recital program for a faculty committee at least four weeks prior to his recital date. An applied music standing of .6 must have been attained before a student is allowed to present a senior recital. In any event a .6 standing 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 major and 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 music upon graduation and whose major applied instrument is not piano, must successfully complete four semesters of private or class piano, or demonstrate piano proficiency by 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. The number after the decimal point is on file in the music office but does not appear on the student's record in the Registrar's Office. Graduate students must demonstrate a standing of .8 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. Materials of the following types and levels of difficulty will be studied. **First semester:** An adult beginner's book, such as the Oxford, Wagness, or Williams; elementary technical studies; Hanon exercises; major scales, two octaves, hands separately, at a moderate tempo. **Second semester:** Continuation and completion of an adult beginner's book; studies by Heller or Burgmueller; easy pieces by Bach, Haydn, Bartok, or Kabalevsky; major scales, hands together; cadences in four parts. **Third semester:** Schumann, Album for the Young; Clementi, Sonatinas; Bartok, Mikrokosmos, Vol. III; Kabalevsky, Variations, op. 40; reading at sight of simple accompaniments; harmonization of traditional melodies at the keyboard. **Fourth semester:** Bach, Inventions; Kuhlau, Sonatinas; Schumann; Flower Pieces, op. 19; Chopin, Preludes; Kabalevsky, Ten Easy Pieces; increased facility in scales, sight reading, and keyboard harmonization.

**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, Guilman, 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 450. Senior Recital. One hour.**

A solo public recital of approximately 30 minutes duration, the literature to be approved by the faculty. This recital will usually be

scheduled so that two students will be presented on the same evening. A half public recital may be elected upon consent of the faculty by students taking a major or an area of concentration in music education as an alternative to Music 460.

**Music 460. Senior Recital. Two hours.**

A solo public recital of approximately one hour duration, the literature to be approved by the faculty. One ensemble selection may be allowed provided the student's own instrument or voice has a significant part and provided the student effectively refines the performance through rehearsals which he, himself, directs.

**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 hours of rehearsal 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 187-488VG. Madrigal Singers.** Open to selected singers who can qualify by audition. One hour of credit per semester.

**Music 187-488VG. Concert Choir.** Open to a limited number of singers selected by audition. One hour of credit per semester.

**Music 187-488BG. 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 187-488WG. Woodwind Ensemble.** Open to a selected group by audition. One hour of credit per semester.

**Music 187-488SG. 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 187-488G.** Additional small ensembles to be organized as needed to meet the needs of students. One hour of credit per semester.

**Music 387-488P. Recital Accompanying.** Open to piano students upon consent of the piano faculty. The preparation and public performance of accompaniments for junior and/or senior recitals of at least two hours playing time. Requests for permission to enroll in this ensemble should contain the names and performing media of the soloists to be accompanied and an indication of the probable literature. A maximum of two hours credit for this ensemble may be applied toward degree requirements. 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.

**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 331. 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.

\*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 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 463. 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 464. Advanced Composition II. Two hours.**

Prerequisite: Music 463.

A continuation of Music 463. 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 465. 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 466. Form and Analysis II. Two hours.**

Prerequisite: Music 465.

A continuation of Music 465 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 current trends in half-time show styles; creative experiments in arranging in traditional and original styles; attention to individual needs.

**Music 533. Advanced Counterpoint. Two hours.**

Analytical study of selected polyphonic works and styles of the 16th and 18th centuries and advanced writing in these styles: canon; mass; motet and madrigal; invention and fugue. Application of these forms to 20th century composition.

**Music 563. Creative Writing I. Two hours.**

Prerequisite: Music 364 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. Four hours.**

Prerequisite: Music 232.

A course in materials and methods for the primary and intermediate grades. Emphasis is given to fundamentals of elementary education and to the relationships which exist between music and the other subjects taught at this level. Observations of both music and non-music classes in the various grades are required.

**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. Vocal Materials and Methods. Two hours.**

Prerequisite: Music 232.

Discussion of the various vocal activities including chorus, glee club, and small vocal ensembles. 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. Two 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 378. Piano Pedagogy. Two hours.**

A survey and evaluation of available methods, practices, and course study books used by the private piano teacher. The course includes the following topics: selection of materials and editions; financial and practical aspects of the private piano studio; recital preparation and program planning; ensemble playing and group piano classes; technic and interpretation; ornaments and embellishments; memorization and practice technics.

**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 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 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 acoustical and technical problems of tone production. 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 acoustical and technical problems involved in performance. Observation and practical experience in teaching and coaching.

**Music 561. Teaching of General Music. Two hours.**

A pedagogy course relating to the various school music subjects usually referred to as general music. Emphasis is placed upon music for the non-performing student in the elementary and secondary grades. Attention is given to recent trends in the presentation of music literature, theory, creativity, the use of informal instruments, etc.

MUSIC HISTORY AND APPRECIATION

**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 381G. Literature of the Piano. Three hours.**

An intensive investigation into the sources and stylistic characteristics of piano literature. The course includes the following topics: development of clavichord, harpsichord, and piano-forte, and corresponding developments of keyboard music; changing musical thought and changing performance practices.

**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 Musical Style. Three hours.**

Detailed analysis of the music of individual composers, musical styles and periods.

**Music 592. Choral Literature. Two hours.**

An historical and analytical survey of representative choral literature from the sixteenth century to the present day.

**Music 593. Contemporary Music. Three hours.**

Prerequisite: Music 362.

A study of the compositions and theories of those composers who have contributed significantly to the development of styles found in music of the present time. The period from about 1910 to the present will be included.



## SPEECH AND DRAMATIC ART

Requirements:	Sem. Hrs.
<i>For a Major in Speech and Dramatic Art</i>	
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
<i>For a Minor in Speech and Dramatic Art</i>	
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
<i>For a Minor in Speech</i>	
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
<i>For a Minor in Dramatic Art</i>	
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 non-speech 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 non-speech 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 inter-collegiate debating for the intellectual activity involved.

**Speech 383. 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

### **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 promptbook. 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.**

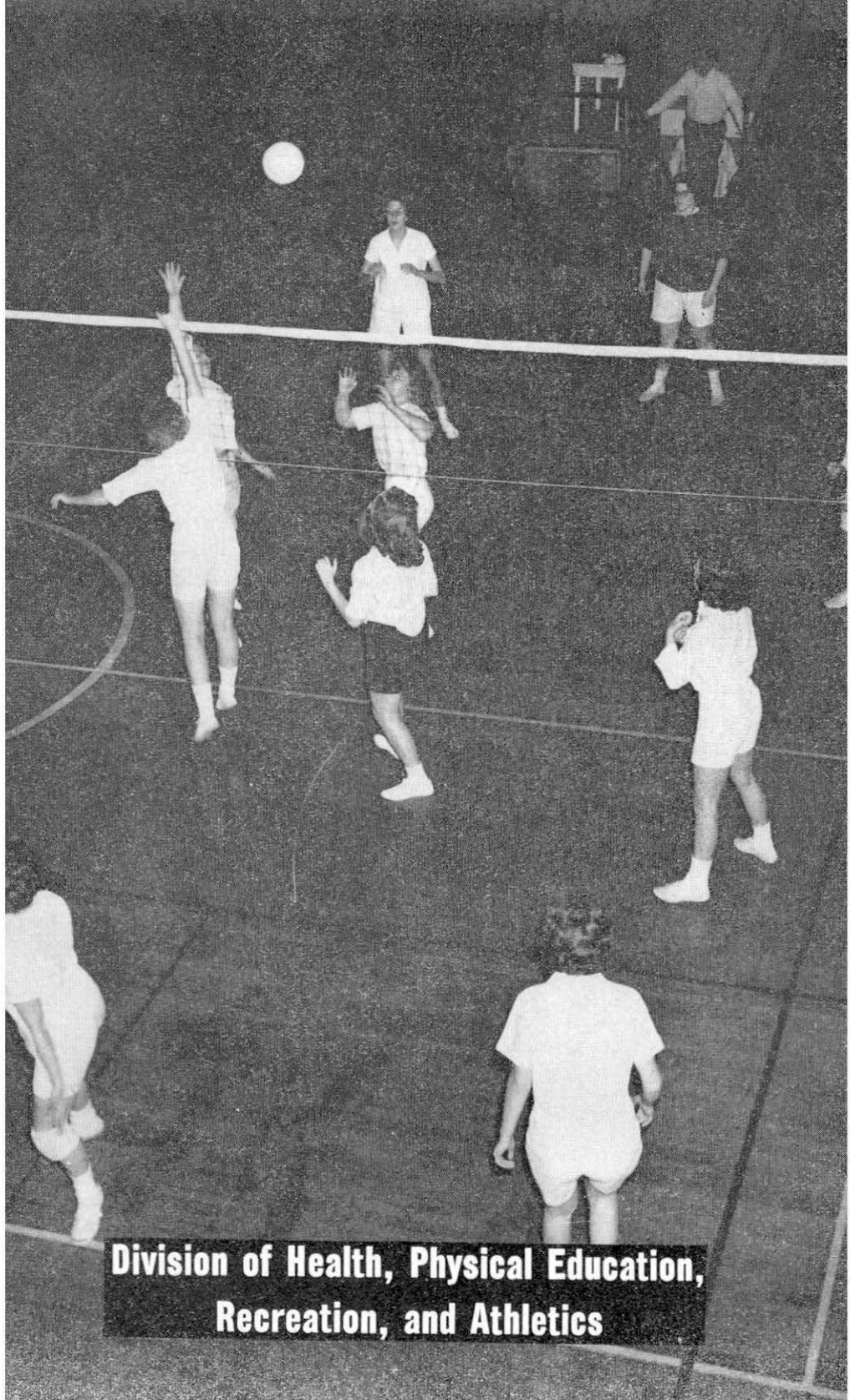
A detailed study of the drama from the growth of realism to the present day. Specific emphasis on the various styles of the late nineteenth and the twentieth centuries. Reading of representative plays and collateral reading in critical sources.

**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	Mr. Hall	Mr. Laughlin
Mr. Anderson	Mr. Kelly	Mr. Mack
Mr. Bentley	Mr. Kerr	Miss Pemberton
Mr. Chaney	Mr. Kidd	Mr. Penny
Mrs. Dunlap		Mrs. Ward

**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 two activity courses.....	4
Health 300 .....	2
	—
	6

*For students qualifying for the Provisional High School Certificate:*

Physical Education: Two 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 -----	35
Health 150, 203, 300, 303, 304, 305, 320 and 402 -----	18
Recreation 201 and 285 -----	4
	57*

*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 -----	34
Health 150, 203, 300, 303, 304, 305, 320 and 402 -----	18
Recreation 201 and 285 -----	4
	56*

*For a Major in Physical Education and Health (Men): (This program qualifies only for teaching in the secondary school.)*

Physical Education—Activity courses approved by the division -----	4
Selected from 109M, 119M, 209M, and 219M -----	4
Selected from 309M, 319M and 409M ----- 150, 301, 303, 304, 305 and 401 -----	12
Health 150, 203, 303, 304 and 402 -----	11
	35*

*For a Major in Physical Education and Health (Women): (This program qualifies only for teaching in the secondary school.)*

Physical Education—Activity courses approved by the division -----	7
306W, 308W, 150, 301, 303, 304, 305 and 401 -----	17
Health 150, 203, 303, 304 and 402 -----	11
	35*

\*In addition to these requirements, all students completing this area or major must earn credit for Biology 331 and 332. Students wishing to have their certificates validated for teaching in the elementary grades must earn credit for Physical Education 300 and Education 333.

*For a Minor in Health:*

Health 150, 203, 300, 303, 304, 305, 320 and 402----- 18

*For a Minor in Physical Education*----- 18

(Arrangements for this minor may be made with the  
Chairman of the Division)

*For all students:* To meet the requirements in General Education all students take a minimum of two activity courses. When possible, these courses are required in the freshman year.

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 Health, Physical Education and Recreation (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.	103—Intro. to Physical Science	3	Sci.	104—Intro. to Physical Science	3
Hlth.	150—Personal Health	2	F.A.	160—Appre. of the Fine Arts	
P.E.	150—Intro. to Physical Educ.	2		or	3
P.E.	109M—Individual Sports I	2		Foreign Language	
P.E.	120—Basic Rhythms	1	P.E.	119M—Individual Sports II	2
	Elective in Social Science	3	P.E.	122—Social Dance	1
				Elective in Social Science	3
17			16		

SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
Sci.	105—Intro. to Biological Sci.	3	Ed.	210—Human Growth and Develop. I	3
Psy.	153—General Psychology	3	Phil.	200—Intro. to Philosophy	
P.E.	209M—Recreational Sports I	2		or	3
P.E.	130—Beginning Swimming	1		Foreign Language	
Hlth.	203—First Aid	2	P.E.	219M—Recreational Sports II	2
Rec.	201—Outdoor Recreation	2	P.E.	131—Intermediate Swimming	1
			Rec.	285—Community Recreation	2
			Hlth.	305—Safety	2
16			16		

JUNIOR YEAR

First Semester			Second Semester		
Biol.	336—Human Anatomy	3	Biol.	332—Human Physiology	3
P.E.	300—P.E. in the Elem. School	2	P.E.	303—P.E. in the Sec. School	2
P.E.	309M—Team Sports I	2	P.E.	319M—Team Sports II	2
P.E.	304—Affiliation in P.E.	1	P.E.	305—Affiliation in P. E.	1
Hlth.	300—Health in the Elem. School 2	2	Hlth.	304—Health in the Sec. School 2	2
P.E.	121—Modern Dance	1	P.E.	123—Folk and Square Dance	1
S.S.	300—Current World Problems	3	P.E.	301—Evaluation in P.E.	3
Hlth.	320—Elements of Nutrition	3	Hlth.	303—Community Health Problems	2
			Ed.	300—Intro. to Student Teaching	1
17			17		

## SENIOR YEAR

First Semester		Second Semester		
Hist.	400—American Foundations	3	Ed. 477—Professional Semester	15
P.E.	409M—Team Sports III	2	(The Professional Semester	
P.E.	401—Org. and Adm. of P.E.	3	may be taken either	
Hlth.	402—Kinesiology	3	semester of the senior	
P.E.	132—Life Saving	1	year.)	
	Elective	2-3		
		<hr/>		<hr/>
		14-15		15

**Provisional High School Certificate with an Area of Concentration in  
Health, Physical Education and Recreation (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.	103—Intro. to Physical Science	3	Sci. 104—Intro. to Physical Science	3
Hlth.	150—Personal Health	2	F.A. 160—Appre. of the Fine Arts	3
P.E.	150—Intro. to Physical		or	
	Education	2	Foreign Language	
P.E.	Two activity courses	2	Hlth. 203—First Aid	2
	Elective in Social Science	3	P.E. Two activity courses	2
		<hr/>	Elective in Social Science	3
		16		<hr/>
				17

## SOPHOMORE YEAR

First Semester		Second Semester		
Eng.	201—Intro. to Literature	3	Eng. 202—Intro. to Literature	3
Sci.	105—Intro. to Biological Science	3	Phil. 200—Intro. to Philosophy	3
Psy.	153—General Psychology	3	or	
Rec.	201—Outdoor Recreation	2	Foreign Language	
P.E.	300—Phys. Ed. in the Elem. Sch.	2	Ed. 210—Human Growth and	
P.E.	Three activity courses	3	Develop. I	3
		<hr/>	Hlth. 305—Safety	2
		16	Rec. 285—Community Recreation	2
			P.E. Three activity courses	3
				<hr/>
				16

## JUNIOR YEAR

First Semester		Second Semester		
Biol.	336—Human Anatomy	3	Biol. 332—Human Physiology	3
Ed.	300—Intro. to Student Teaching	1	S.S. 300—Current World Problems	3
Hlth.	303—Community Health		P.E. 303—Phys. Ed. in the Sec. School	2
	Problems	2	Hlth. 320—Elements of Nutrition	3
Hlth.	360—Health in the Elem. School	2	P.E. 305—Affiliation in P.E.	1
P.E.	304—Affiliation in P.E.	1	P.E. 308W—Team Sports II	2
P.E.	306W—Individual Sports I	2	P.E. Two activity courses	2
P.E.	303—Evaluation in H.P.E. and R.	3		
P.E.	Two activity courses	2		
		<hr/>		<hr/>
		16		16

## SENIOR YEAR

First Semester		Second Semester		
Hist.	400—American Foundations	3	Ed. 477—Professional Semester	15
Hlth.	304—Health in the Sec. School	2	(The Professional Semester	
Hlth.	402—Kinesiology	3	may be taken either	
P.E.	401—Org. and Adm. of Phys. Ed.	3	semester of the senior	
P.E.	Two activity courses	2	year.)	
	Elective	3		
		<hr/>		<hr/>
		16		15

### Provisional High School Certificate with a Major in Health and Physical Education (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.	103—Intro. to Physical Science	3	Sci.	104—Intro. to Physical Science	3
Hlth.	150—Personal Health	2	F.A.	160—Apprec. of the Fine Arts	3
P.E.	150—Intro. to Physical Education	2		or	
	Elective in Social Science	3		Foreign Language	
P.E.	Activity course	1		Elective in Social Science	3
				Activity course	1
				Second Major	3
					<hr/>
		15			17

#### SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
Sci.	105—Intro. to Biological Science	3	Ed.	210—Human Growth and Develop. I	3
Psy.	153—General Psychology	3	P.E.	209M—Recreational Sports I	2
P.E.	109M—Individual Sports I	2		or	
	or			P.E. 219M—Recreational Sports II	2
P.E.	119M—Individual Sports II	2	Hlth.	303—Community Health Problems	2
Hlth.	203—First Aid	2		Second major	6
	Second major	3	P.E.	Activity course	1
P.E.	Activity course	1			<hr/>
					17

#### JUNIOR YEAR

First Semester			Second Semester		
Ed.	300—Intro. to Student Teaching	1	S.S.	Current World Problems	3
Biol.	336—Human Anatomy	3	Biol.	332—Human Physiology	3
Phil.	200—Intro. to Philosophy	3	P.E.	305—Affiliation in Phys. Ed.	1
	or			309M, 319M, or 409M	2
	Foreign Language			Second major	6
P.E.	304—Affiliation in P.E.	1			<hr/>
P.E.	301—Evaluation in H.P.E. and R.	3			15
P.E.	300—Phys. Ed. in the Elem. School	2			
	Second major	3			
		<hr/>			
		16			

#### SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	Ed.	477—Professional Semester	15
P.E.	309M, 319M or 409M	2		(The Professional Semester may be taken either semester of the senior year.)	
P.E.	401—Org. and Adm. of Phys. Ed.	3			<hr/>
Hlth.	402—Kinesiology	3			15
Hlth.	304—Health in the Sec. School	2			
	Second major	3			
		<hr/>			
		16			

### Provisional High School Certificate with a Major in Health and Physical Education (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.	103—Intro. to Physical Science	3	Sci.	104—Intro. to Physical Science	3
Hlth.	150—Personal Health	2	Psy.	153—General Psychology	3
P.E.	150—Intro. to Physical Educ.	2		Elective in Social Science	3
	Elective in Social Science	3	P.E.	Activity course	1
P.E.	Activity course	1		Second major	3
		<hr/>			
		15			17

## SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
Sci.	105—Intro. to Biological Sci.	3	Phil.	200—Intro. to Philosophy	3
F.A.	160—Apprec. of the Fine Arts	3		or	
	Foreign Language		Hlth.	303—Community Health	2
Hlth.	203—First Aid	2		Problems	
P.E.	300—Phys. Ed. in the Elem. Sch.	2	P.E.	303—Phys. Ed. in the Sec. Sch.	2
	Second Major	3	Ed.	210—Human Growth and	
P.E.	Activity course	1		Develop. I	3
				Second major	3
			P.E.	Activity course	1
					17
		17			17

## JUNIOR YEAR

First Semester			Second Semester		
Ed.	300—Intro. to Student Teach.	1	S.S.	300—Current World Problems	3
Biol.	336—Human Anatomy	3	Biol.	332—Human Physiology	3
P.E.	301—Evaluation in H.P.E. and R.	3	P.E.	305—Affiliation in Phys. Ed.	1
P.E.	306W—Individual Sports I	2	P.E.	308W—Team Sports I	2
P.E.	304—Affiliation in Phys. Ed.	1		Second major	6
	Second major	6	P.E.	Activity course	1
P.E.	Activity course	1			
		17			16
		17			16

## SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	Ed.	477—Professional Semester	15
Hlth.	402—Kinesiology	3		(The Professional Semester	
P.E.	401—Organ. and Adm. of			may be taken either	
	Phy. Ed.	3		semester of the senior	
	Second major	6		year)	
P.E.	Activity course	1			
		16			15
		16			15

## PHYSICAL EDUCATION

## DESCRIPTION OF COURSES

## OPEN TO BOTH MEN AND WOMEN

**Physical Education 100. Golf. One hour.**

Emphasis on skill, knowledge, tactics and techniques for individual participation. Four hours weekly for nine weeks.

**Physical Education 101. Tennis. One hour.**

Emphasis on skill, knowledge, tactics and techniques for individual participation. Four hours weekly for nine weeks.

**Physical Education 102. Badminton. One hour.**

Emphasis on skill, knowledge, tactics and techniques for individual participation. Four hours weekly for nine weeks.

**Physical Education 103. Archery. One hour.**

Emphasis on skill, knowledge, tactics and techniques for individual participation. Four hours weekly for nine weeks.

**Physical Education 107. Bowling. One 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 108. Restricted Physical Education. One hour.**

For students with either a structural or functional problem which prevents their participation in the regular program. (May be repeated.)

**Physical Education 120. Basic Rhythms. One hour.**

Large muscles activity performed to a beat or rhythm; a means of self-expression. Two hours weekly.

**Physical Education 121. Modern Dance. One 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 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 hour.**

Traditional social dances of people of many nations, including the American square dance. Two hours weekly.

**Physical Education 130. Beginning Swimming. One 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 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 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.

**Physical Education 505. Planning Facilities. Two hours.**

A study of school facilities, equipment, site selection, building plans and equipment placement in programs of health, physical education, recreation and athletics.

**Physical Education 508. Analysis of Motor Skills. Three hours.**

Application of the principles of physics to the various skills in motor activities.

**Physical Education 570. Research Problems in Physical Education. One to three hours.**

Arranged to meet the needs of the student.

## SECTIONS FOR MEN AND SECTIONS FOR WOMEN

**Physical Education 104. Gymnastics. One hour.**

Self-testing activities; tumbling, apparatus, and trampoline. Two hours weekly.

**Physical Education 105. Conditioning. One hour.**

Emphasis on developing physical fitness through a variety of exercises and activities. Two hours weekly.

**Physical Education 110. Softball and Volleyball. One hour.**

Rules, techniques and participation in softball and volleyball. Two hours weekly.

**Physical Education 113. Soccer and Speedball. One 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 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 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 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 adaptations 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 512. Public Health Services. Two hours.**

To acquaint the student with the Public Health Program—its services, personnel, and method of operation; its position in the community and place on the health team.

**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. Community Recreation. Two hours.**

Emphasizes the general aspects of community recreation, the place of the school and other social institutions in recreation.

**Recreation 530. Programs in Recreation. Two hours.**

Study of the different media through which recreation is presented. Consideration is given to sponsoring groups, personnel, administration, organization, facilities, finances, maintenance, equipment, supplies and promotion.



**Division of Languages and Literature**



### *Division of Languages and Literature*

Mr. Boswell, Chairman	Mr. Higgins	Mr. Prince
Mrs. Casale	Mr. Levengood	Mr. Rogers
Mrs. Chaney	Mrs. Lesueur	Mr. Stewart
Mrs. Combs	Miss Maggard	Mr. Venettozzi
Mr. Davis	Mr. Mayhew	Mrs. Wells
Mrs. Day	Mrs. Moore	Mr. Wilkes
Mr. Hampton	Mr. Morrow	Miss Williams
	Mr. Pelfrey	

#### **Objectives:**

The Division of Languages and Literature is concerned with the study of five languages—English, Latin, French, Spanish, and German—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 communications 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:**

<i>For all Degrees:</i>	Sem. Hrs.
English 101, 102, 201, and 202-----	12
 <i>For a Major:</i>	
English 101, 102, 201, and 202-----	12
English 290 or 390, 305, 331 or 333, 332, 342, 393, 435 and 421 or 433 or 434 or 436 or 480-----	23
Minimum for a Major-----	35
 <i>For a Minor:</i>	
English 101, 102, 201, and 202-----	12
English 290, 305, 331 or 332 or 333, 342 and 435-----	14
Minimum for a Minor-----	26
 <i>For an Area of Concentration:</i>	
English 101, 102, 201, and 202-----	12
English 290 or 390, 305, 331 or 333, 332, 342, 393, 435, 452 or 453, and six hours selected from— 344, 367, 421, 433, 434, 436, 444, or 480-----	29
Speech 280 and 284-----	6
Dramatic Art 283 -----	3
Journalism 380 -----	3
Total for an Area-----	53

In addition to the above, a minimum of one year of a foreign language is required of students who desire either the Area or Major in English. It is recommended that two years of a foreign language be taken. (It should be noted that six hours of a foreign language may be used to substitute for the fine arts and philosophy requirements in general education.)

## 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	1	P.E.	Activity course	1
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
Sci.	103—Intro. to Physical Science	3	Sci.	104—Intro. to Physical Science	3
	Elective in Social Science	3		Elective in Social Science	3
	Foreign Language	3		Foreign Language	3
Hlth.	150—Personal Health	2		Second Major	3
		<hr/>			<hr/>
		16			17

## SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
Sci.	105—Intro. to Biological Science	3	Sci.	106—Intro. to Biological Science	3
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			<hr/>
		<hr/>			15
		17			

## JUNIOR YEAR

First Semester			Second Semester		
Eng.	290—Advanced Writing	3	Ed.	300—Intro. to Student Teaching I	1
or			Eng.	331—Neoclassical Writers	3
Eng.	390—Imag. Writing & Literature	3	or		
Eng.	332—Romantic Writers	3	Eng.	333—Victorian Writers	3
S.S.	300—Current World Problems	3	Eng.	342—American Writers Since 1850	3
	Second Major	6	Eng.	343—Hist. of the Language	3
	General Elective	2		Second Major	6
		<hr/>			<hr/>
		17			16

## SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	Ed.	477—Professional Semester	15
Eng.	435—Shakespeare	3		(The Professional Semester may be taken either semester of the senior year)	
Eng.	One course selected from 421, 433, 434, 436, or 480	3			
	Second Major	6			<hr/>
		<hr/>			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	1	P.E.	Activity course	1
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
Sci.	103—Intro. to Physical Science	3	Sci.	104—Intro. to Physical Science	3
	Social Science Elective	3		Social Science Elective	3
	Foreign Language	3		Foreign Language	3
Hlth.	150—Personal Health	2	Psy.	153—General Psychology	3
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16			17		

#### SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
Sci.	105—Intro. to Biological Sci.	3	Sci.	106—Intro. to Biological Sci.	3
Sp.	280—Basic Speech	3	Dr.	283—Elements of Play	3
Eng.	305—Advanced Grammar	2		Production	3
	Foreign Language	3	Eng.	290—Advanced Writing	3
Ed.	210—Human Growth and	3	or		3
	Development I	3	Eng.	390—Imaginative Writing and	3
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17			15		

#### JUNIOR YEAR

First Semester			Second Semester		
Ed.	300—Intro. to Student	1	Eng.	332—Romantic Writers	3
	Teaching	1	Eng.	342—American Writers	3
Eng.	311—Neoclassical Writers	3		Since 1850	3
or		3	Eng.	452—Early Dramatic Literature	3
Eng.	333—Victorian Writers	3	or		3
Eng.	393—Hist. of the Language	3	Eng.	453—Modern Drama	3
Eng.	380—Elements of Journalism	3	Hist.	338—Great Britain	3
Sp.	284—Oral Interpretation	3		Elective	5
S.S.	300—Current World Problems	3	<hr style="width: 50%; margin-left: auto; margin-right: 0;"/>		
16			17		

#### SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	Ed.	477—Professional Semester	15
Eng.	435—Shakespeare	3		(The Professional Semester	15
Eng.	Two courses from 344,	6		may be taken either se-	15
	367, 421, 433, 434, 436,	3		mester of the senior year.)	15
	444 or 480	3	<hr style="width: 50%; margin-left: auto; margin-right: 0;"/>		
	Elective	3	15		
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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 103. Writing and Speaking. Three hours.**

For the twenty-five best qualified freshmen in each September entering class, this course is designed to cover in one semester what English 101 and 102 do in two semesters. It will prepare these selected students for their upper-class work as a year of Writing and Speaking prepares average students.

**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.**

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.**

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 repre-

sentative 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 344. The Short Story. Three hours.**

This course traces the development of the short story as a literary genre from its beginnings in Old Testament times to its prominent position in the works of writers today.

**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 problem; 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 dialect 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 421. Chaucer. Three hours.**

This is a period course in Medieval English Literature, with special emphasis on Geoffrey Chaucer. Centers of interest are Chaucer's *Canterbury Tales* and *Troilus and Criseyde*. Some attention is given to the Middle English language.

**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.**

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 speak, read, and write 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:

<i>For a Major in French:</i>	Sem. Hrs.
French 101, 102, 201, 202, 203, 401 and 435.....	21
Selected from French 321, 322, 323 and 324.....	9
	—
Minimum for a major .....	30
<i>For a Minor in French:</i>	
French 101, 102, 201, 202, 203 and 401.....	18
Advanced credit in French .....	6
	—
Minimum for a minor .....	24

Note: Students who have high school credit in French will be given a placement test to determine whether they should take French 101, 102, 201 or 202.

### DESCRIPTION OF COURSES

**French 101. Beginning French. Three hours. (Three hours per week in class, two in laboratory.)**

An introduction to the spoken language. The work includes practice—in class and in the language laboratory—in understanding and using the spoken language.

**French 102. Beginning French. Three hours. (Three hours in class, one hour in laboratory.)**

At this level the emphasis shifts to reading. Graded reading materials serve for vocabulary building, analytical exercises, and discussion. Continued practice—both in class and in the laboratory—in the use of the spoken language.

**French 201. Intermediate French. Three hours. (Three hours in class, one in laboratory.)**

At this stage the accent is put on writing. Reading of French classics of intermediate difficulty with intensive structural analysis and interpretation of passages selected from them. First exercises in writing compositions based on reading texts. Laboratory work designed to complete mastery of basic language patterns and active vocabulary.

**French 202. Conversation and Composition. Three hours. (Three hours in class and one in laboratory.)**

(Formerly French 305)

Intensive training in correct writing and fluent speech. Subject matter taken from literary selections which present various aspects of contemporary French civilization.

**French 203. Introduction to France. Three hours.**

This course aims to familiarize the student with the elements (historical, political, cultural, etc.) which have contributed to making France what it is today. Reading of selected literary works (Rabelais to Sartre) to illustrate the significant movements of French culture and ideas.

**French 321. Literature of the Middle Ages and Renaissance. Three hours.**

An introduction through modern French versions to typical epics, romances, and bourgeois poetry of the early medieval period, followed by a study in the original text of major selections from the work of Villon, Marot, Rabelais, the Pleiade, and Montaigne.

**French 322. Seventeenth-Century Literature. Three hours.**

(Formerly French 432G)

Study of French Classicism through representative plays of Corneille, Racine, and Moliere; extracts from Descartes, Boileau, Pascal, La Fontaine, and others.

**French 323. Eighteenth-Century Literature. Three hours.**

(Formerly French 433G)

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 324. Nineteenth-Century Literature. Three hours.**

(Formerly 434G)

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 401. Linguistics and Language Teaching. Three hours.**

(Formerly French 436G)

This course provides the student with a sound review of significant findings in linguistic research over the past two decades. This is followed by an introduction to the problems, methods, and materials involved in the teaching of a second language. Practical experience in using the language laboratory.

**French 435. Twentieth-Century Literature. Three hours.**

Prerequisite: French 202 or its equivalent.

Selected works of recent writers: France, Romains, Gide, Proust, Giraudou, Sartre, and others.

**French 441G. The French Novel. Three hours.**

Intensive study of a few novels considered as representative of the genre. This course considers such questions as convention and innovation, illusion and reality, imagery, style, structure, and meaning. Various solutions to these problems are examined in modern French masterpieces by such writers as Balzac, Flaubert, Stendhal, Zola, Gide, Proust, Camus, Radiguet, Mauriac and Malraux.

**French 442G. The French Drama. Three hours.**

Intensive study and analysis of selected plays viewed as representative of the genre. This course considers the various dramatic modes such as the comic, the tragic, the heroic, and the "realistic"; dramatic tension, rhythm, and structure; the dramatization of philosophic and social ideas; lyric and sensuous elements in the theater. Various solutions to these problems are examined in the works of writers such as Corneille, Racine, Moliere, Marivaux, Beaumarchais, Hugo, Musset, Claudel, Sartre, Anouilh, and Giraudoux.

**French 443G. French Lyric Poetry. Three hours.**

Intensive study and analysis of masterpieces of French lyric poetry. The course gives specific attention to problems involving tone and structure; denotation and connotation; image, symbol, and allegory; and allusion, irony, ambiguity, and paradox. The poems are chosen from the work of such writers as Villon, Ronsard, Sponde, La Fontaine; Chenier and the Romantics; Baudelaire and the Symbolists; and Valery, Claudel, Peguy, and Apollinaire.

## 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:**

<i>For a Minor:</i>	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 the course.

## 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:

<i>For a Minor:</i>	Sem. Hrs.
Spanish 201, 202, 305, 308, 401 and 402.....	18
Minimum for a Minor .....	18

Note 1: The above course requirements are in addition to Elementary Spanish 101 and 102.

Note 2: 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 the course.

### 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.**

Prerequisite: Spanish 201 or the equivalent.

A continuation of Spanish 201.

**Spanish 305. Conversation and Composition. Three hours.**

Prerequisite: Spanish 202 or permission of the instructor.

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.**

Prerequisite: Spanish 308 or the equivalent.

A general survey of Spanish literature from its beginning through the seventeenth century.

**Spanish 402. Modern Spanish Literature. Three hours.**

Prerequisite: Spanish 308 or the equivalent.

A general survey of Spanish literature from the eighteenth century to the present.

### LIBRARY SCIENCE

**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:**

<i>For a Minor:</i>	Sem. Hrs.
Library Science 227, 301G, 311G, 321 G, 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 ..... 3

(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.)

5. Electives in library science in the field of school librarianship ..... 9

Total in Library Science ..... (27)

\*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.

D. Completion of	
1. Teaching of Reading -----	3
2. Fundamentals of Elementary Education -----	3
3. Human Growth and Development-----	3
4. Fundamentals of Secondary Education -----	3

### 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.

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.

## PROFESSIONAL EDUCATION

Mr. Stewart, Chairman	Mrs. Hall	Miss Saunders
Mr. Allen	Mr. Hart	Miss Smelley
Mrs. Anderson	Mr. Jones	Mrs. Stewart
Mr. Back	Mr. Lappin	Mr. Tant
Mrs. Barber	Mrs. Moore	Mr. Walter
Mrs. Boggs	Mr. Needham	Mrs. Waltz
Mrs. Caudill	Miss Nollau	Mrs. Whitaker
Mr. Dales	Mr. Norfleet	Mr. Wicker
Mr. Denney	Mr. Patton	Miss Williamson
Miss Evans	Mr. Posey	Mr. Wilson
Mrs. Graves	Mrs. Rice	Mr. Woosley
Mr. Hall		Mr. 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 pre-service 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 pre-service 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.

#### ADMISSION AND RETENTION IN TEACHER EDUCATION

Morehead State College believes that effective service in the teaching profession calls for the highest types of personnel and training that can be found. Consequently, the Teacher Education



Program at Morehead is a selective program, and only those individuals who meet the standards prescribed by the college are permitted to take the courses required for certification.

Regularly enrolled resident students, who wish to qualify as teachers, apply for admission to Teacher Education during the second semester of the sophomore year. Those who are accepted in the program are permitted to continue with their preparation for teaching so long as they meet the standards for continuance. Those who are not accepted are not permitted to enroll for certain courses required in the program of teacher preparation. These latter students may re-apply at a later date if they are successful in correcting deficiencies which prevented acceptance on their previous application.

Part-time and transfer students must also apply for admission to the program if they expect to enroll for certain required courses and meet certification requirements.

Additional information, and forms for making the application, may be secured from the office of the Chairman of the Division of Professional Education.

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

For the Provisional Elementary Certificate:	Sem. Hrs.
Education 100, 210, 321, 326, and 427-----	25
For the Provisional Secondary Certificate:	
Education 100, 210, 300, and 477-----	20

### 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 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	1	P.E.	Activity course	1
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
Sci.	103—Intro. to Physical Sci.	3	Sci.	104—Intro. to Physical Sci.	3
Geog.	100—Fundamentals of Geography	3	Art	121—School Art I	3
Mus.	100—Rudiments of Music	2		*Elective	3
	*Elective	3			
		16			17

## SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
Sci.	105—Intro. to Biological Sci.	3	Sci.	106—Intro. to Biological Sci.	3
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
<hr/>			<hr/>		
16			17		

## 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.	300—Phys. Ed. in the El. Sch.	2	Spch.	300—Oral Communication	3
	*Elective	5		*Elective	5
<hr/>			<hr/>		
16			16		

## SENIOR YEAR

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

cation 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. One hour.**

Prerequisites: Education 100 and admission to Teacher Education.

This is a guided experience designed to prepare the student specifically for the Professional Semester in secondary education. Experiences are provided in: observation, participation, teacher planning, resources for teaching, group dynamics, individual differences, public relations, and evaluation.

*The student must have credit for this course before enrolling for Education 477.*

**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.**

Prerequisite: Education 210 and Admission to Teacher Education.

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: Admission to the Teacher Education Program; attainment of a scholastic standing of 2.0 on all residence courses completed at Morehead at the time student teaching begins; attainment of a standing of 2.5 on the portion of the area in elementary education completed at the time student teaching begins; completion of the professional education courses prerequisite to student teaching—Education 100, 210, 321, and 326; completion of a minimum of 90 semester hours of work; at least one semester of residence credit earned at this college; and permission of the Committee on Teacher Education.

Each student is assigned to a four-hour block, in a student teaching center 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, organizing material, and other professional activities. Teaching may be done in any of the elementary grades. Special conferences with the supervising teacher, attendance and participation in faculty meetings and out-of-school activities are also required.

**Education 326G. Teaching of Reading. Three hours.**

Prerequisites: Education 210 and Admission to Teacher Education.

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.**

Prerequisites: Education 210 and Admission to Teacher Education.

The purpose and origin of the elementary school; problems of school organization, management, extracurricular and community relationship; 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 relationship; and pertinent problems concerning instruction and management.

**Education 375. Supervised Student Teaching. Four hours.**

Prerequisites: Admission to the Teacher Education Program; attainment of a scholastic standing of 2.0 on all residence courses completed at Morehead at the time student teaching begins; a minimum standing of 2.5 on all work completed in the field in which teaching is to be done; completion of the professional education courses prerequisite to student teaching—Education 100, 210, 211, and 472; completion of a minimum of 16 semester hours in the field in which the student is to teach; completion of a minimum of 90 semester hours of work; at least one semester of residence credit earned at this college; and permission of the Committee on Teacher Education.

Each student is assigned to a four-hour block in a student teaching center 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, organizing material, and other professional activities. Special conferences with the supervising teacher, attendance and participation in faculty meetings and out-of-school activities are also required.

**Education 381G. Measurement Principles and Techniques. Three hours.**

Investigations of major kinds or areas of tests, test manuals, publisher's catalogs, and research literature; laboratory exercises in elementary educational statistics, test construction, administration, scoring and interpretation of tests.

Particular attention is focused on evaluation of classroom instruction and appraisal of personality aspects. Testing Bureau facilities are available.

**Education 382G. Audio-Visual Aids in Instruction. Three hours.**

History and basic philosophy of the use of multisensory materials of instruction; role of the teacher in perceptual learning; projected and non-projected audio-visual materials; 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; two 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 2.0 on all residence work completed at Morehead 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.

The student is required to be in classes two periods a day, and, in addition, each enrollee is expected to leave a period vacant in his schedule for special assignments and activities.

The experiences provided are designed to meet the needs of the members of the group. They are selected from the entire range of teaching activities except that classroom teaching is omitted. Attention is given to—observing, 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 teaching aids, evaluation, and professional relations.

**Education 427. Professional Semester. Fifteen hours.**

Prerequisites: Admission to the Teacher Education Program; attainment of a scholastic standing of 2.0 on all residence courses completed at Morehead at the time student teaching begins; a minimum standing of 2.5 on the portion of the area in elementary education completed at the time student teaching begins; completion of the professional education courses prerequisite to student teaching—Education 100, 210, 321, and 326; completion of a minimum of 90 semester hours of work; at least one semester of residence credit



earned at this college; and 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 Elementary Education, and Supervised Student Teaching.

The eighteen weeks of the semester are arranged for students so that the first and last weeks are devoted to orientation, planning and evaluation. Eight weeks are spent in student teaching, either on-campus or off-campus, and eight weeks are spent in class work.

*The student is not permitted to enroll for other courses during the semester he carries this course.*

**Education 472. Fundamentals of Secondary Education. Four hours.**

Prerequisites: Education 100, 210, and 211 or the equivalent, and admission to Teacher Education.

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: Admission to the Teacher Education Program; attainment of a scholastic standing of 2.0 on all residence courses completed at Morehead at the time student teaching begins; a



minimum standing of 2.5 on all work completed in the field in which teaching is to be done; completion of Education 100, 210 and 300; completion of 16 semester hours in the field in which the student is to teach; completion of 90 semester hours of college credit; at least one semester of residence credit earned at this college; and 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 eighteen weeks of the semester are so arranged that the first and last weeks are devoted to orientation, planning and evaluation. Eight weeks are spent in student teaching either on-campus or off-campus and eight weeks are spent in classwork.

*The student is not permitted to enroll for other courses during the semester he carries this course.*

**Education 482G. Processing Audio-Visual Materials. Two hours.**

Prerequisite: Education 382G or the equivalent.

Production of various types of audio-visual learning materials with emphasis upon overhead transparencies, photographic copying, extreme closeups photography, and magnetic recording. Applications of closed circuit television and utilization and evaluation of broadcast educational television programs, and programmed learning and teaching machines emphasized.

## 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.**

Prerequisite: 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. Principles of Guidance. 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 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.**

Prerequisites: Education 564 and 566.

Actual experience in guidance and counseling in the schools of the area. Both group and individual techniques are employed. The 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 disseminating 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. Seminar—Problems of the Teacher. One hour.**

Individual research problems and theses; review of current educational research; significant problems in education especially related to the role of the teacher. Oral reports and group discussion.

**Education 572. Seminar—Problems of the Principal. One hour.**

This course is similar to Education 571 except that problems relating to the role of the principal are considered.

**Education 573. Seminar—Problems of the Supervisor. One hour.**

The course is similar to Education 571 except that problems relating to the role of the supervisor are considered.

**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 590. Supervision of Student Teaching. Three hours.**

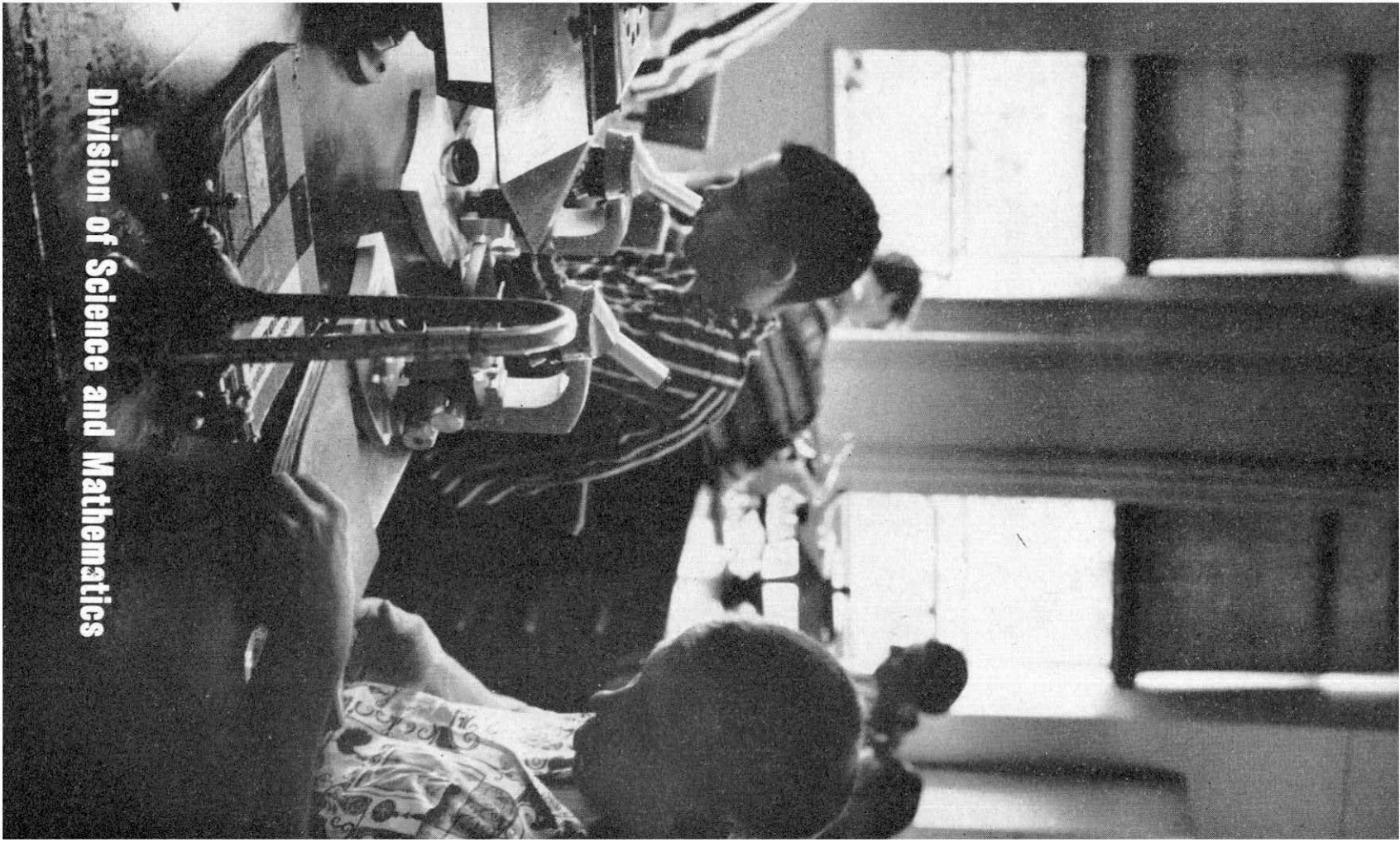
Basic principles and procedures in the techniques of supervision of student teachers. This course is designed to satisfy the state requirements in supervision for issuance of commissions for the supervision of student teaching. Preparation for and orientation of student teachers, planning for and supervision of teaching, and evaluation are included.

**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 Science and Mathematics**



## *Division of Science and Mathematics*

Mr. Owsley, Chairman	Mr. Fair	Mr. Lynd
Mr. Barber	Mr. Falls	Mrs. Mayo
Mr. Chaplin	Mr. Fryman	Mr. Payne
Mr. Cooley	Miss Heaslip	Mr. Philley
Mrs. Cooper	Mr. Jenkins	Mr. Phillips
Mr. Dalzell	Mr. Kurfees	Mr. Worsencroft
	Mr. Lake	

### 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 103. Introduction to Physical Science. Three hours.**  
Measurements; mechanics; states of matter; basic chemistry; elec-



tricity; wave motions; atomic and sub-atomic structure. Two lecture-discussion periods and two laboratory hours per week.

**Science 104. Introduction to Physical Science. Three hours.**

Prerequisite: Science 103.

Classes of electrolytes; carbon compounds; basic geologic processes; history of the earth; meteorology; the universe; solar systems. Two lecture-discussion periods and two laboratory hours per week.

**Science 105. Introduction to Biological Science. Three hours.**

(Formerly Science 101.)

Prerequisites: Science 103-104.

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 106. Introduction to Biological Science. Three hours.**

(Formerly Science 102.)

Prerequisite: Science 105.

Cell division, genetics, embryology, ecology, evolution, survey of the plant and animal kingdoms. Two lecture-discussion periods and two laboratory periods per week.

**Science 375G. Earth Science. Three hours.**

Prerequisite: Junior standing. Credit not allowed on Earth Science minor.

A course to acquaint elementary and secondary teachers with the basic fundamentals of the earth sciences: astronomy, geology, meteorology, and oceanography. Laboratory involves exercises and experiments with minerals and rocks, fossils, topographic and geologic maps, weather maps and instruments, and astronomical observations. Two lecture-discussion periods and one two-hour laboratory period per week.

**Science 376G. Physical Science for Secondary Teachers. Three hours.**

Prerequisite: Junior standing, permission of instructor.

Presentation of the newer concepts of teaching high school physics and chemistry as recommended by the Physical Science Study Committee and the Chemical Bond Approach Study. Better source materials for equipment and visual aids, methods of lecture and laboratory techniques will be investigated. Two lecture-discussion periods and one two-hour laboratory period per week.

**Science 390G. Science for the Elementary Teacher. Three hours.**

Prerequisite: (Twelve hours for graduate credit.) Twelve hours of science credit and junior standing, or permission of the instructor.

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.

**Science 510. Newer Concepts in Physical Science. Three hours.**

Prerequisite: Twelve hours of physical sciences.

The more recent developments in physics and chemistry will be included. In the physics area such topics as satellites and space travel, atomic and nuclear physics, and solid state physics will be considered. In the chemistry area such topics as electronic and ionic mechanisms, new elements and compounds, and recent methods of analysis will be considered. Correlated with the discussion topics will be problem solving in physical science. Communications, engineering, instrumentation, and study of materials and structures will be discussed. Course content will vary according to the background of the students enrolled in the course. Two lecture-discussion periods and one two-hour laboratory period per week.

*General Recommendations for Students Majoring or Minorng in Some Field of Science:*

1. A combination of two majors in science and/or mathematics provides a good combination for teachers for industry or research, and for graduate work. Particularly recommended are: chemistry-biology; chemistry-physics; physics-mathematics.
2. A combination of one major in science and/or mathematics is likewise recommended. Suggested combinations are: biology major with minors in chemistry and earth science; chemistry major with minors in physics and mathematics; mathematics major with minors in physics and earth science.
3. Philosophy of Science is recommended as an elective to enrich any science major or minor.
4. All science students who plan to do graduate work should have a minimum of one year of foreign language.
5. All prospective teachers should take one methods course in their field.

## PRE-PROFESSIONAL PROGRAMS BASED UPON SCIENCE AND MATHEMATICS

### Medical Technology

Morehead State College is affiliated with the Miners Memorial Hospital Association in its program of medical technology. In accordance with this program the student completes three years of prescribed work at Morehead and is then eligible for transfer to the School of Medical Technology, Beckley Memorial Hospital, Beckley, West Virginia. During this senior year the courses are taken which are necessary to complete the requirements for a recognized diploma in medical technology. Upon completion of the four-year accredited program, Morehead confers upon the candidate the Bachelor of Science degree with an Area in Medical Technology.

The following program for the first three years at Morehead, while aimed specifically at fulfilling the affiliated curriculum, may be followed for any other school of medical technology, but the catalog of the chosen school should be consulted for individual requirements.

#### FRESHMAN YEAR

First Semester		Second Semester	
Eng. 101—Writing and Speaking	3	Eng. 102—Writing and Speaking	3
		P.E. Activity course	1
Sci. 105—Intro. to Biol. Science	3	Biol. 210—General Zoology	4
Chem. 111—General Chemistry	4	Chem. 112—General Chemistry	4
Math. 131—General Mathematics	3	Math. 132—General Mathematics	3
F.A. 160—Apprec. of the Fine Arts	3	Hlth. 150—Personal Health	2
	17		17

#### SOPHOMORE YEAR

First Semester		Second Semester	
Eng. 201—Intro. to Literature	3	Eng. 202—Intro. to Literature	3
P.E. Activity course	1	Phys. 132—Elementary Physics	4
Phys. 131—Elementary Physics	4	Social Science elective	3
Social Science elective	3	Chem. 223—Quantitative Analysis	4
Biol. 331—Human Anatomy	3	Phil. 200—Intro. to Philosophy	3
Psy. 153—General Psychology	3		
	17		17

#### JUNIOR YEAR

First Semester		Second Semester	
Chem. 331—Organic Chemistry	4	Chem. 332—Organic Chemistry	4
Biol. 317—Bacteriology	4	Biol. 338—Vertebrate Embryology	4
S.S. 300—Current World Problems	3	Hist. 400—American Foundations	3
Biol. 332—Human Physiology	4	Advanced science elective	4
	15		15

### 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		
	Freshman Orientation	1	Soc.	201—General Sociology	3		
Sci.	105—Intro. to Biological Science	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					
		<hr/>			<hr/>		
		17			17		

Individuals interested in applying for admission to this program should write to Director, School of Professional Nursing, Harlan Memorial Hospital, Harlan, Kentucky.

### Pre-Dental Program

Dental schools require that all applicants have a minimum of two years of pre-professional education at the college level. Included in this first two years of college work there must be a minimum of one year each of English, biology, physics, general chemistry, and one semester of organic chemistry. All courses in science should include both class and laboratory instruction. In addition to these minimum requirements most dental schools recommend additional courses in the sciences and mathematics and stress the importance of taking courses in the arts and humanities. Most dental schools give preference to students who have completed more than the minimum of two years of college. Each pre-dental student should consult the catalog of the dental school to which he plans to apply for admission to be assured that he has completed the requirements of that school.

A student who follows a program that includes the requirements for graduation and enters dental school at the end of his junior year may, after successfully completing his first year at dental school, transfer his credits to Morehead and receive the bachelor's degree.

### 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	1	P.E.	Activity course	1		
	Freshman Orientation	1	Math.	182—Intro. to Analysis II	5		
Math.	181—Intro. to Analysis I	5	Chem.	112—General Chemistry	4		
Chem.	111—General Chemistry	4	I.A.	203—Advanced Mech. Drawing	3		
I.A.	103—Elem. Mechanical Drawing	3					
		<hr/>			<hr/>		
		17			16		

#### SOPHOMORE YEAR

First Semester				Second Semester			
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3		
Math.	361—Differential Calculus	4	Math.	362—Integral Calculus	4		
Phys.	231—General College Physics	5	Phys.	232—General College Physics	5		
Sp.	280—Basic Speech	3	Math.	111—Slide Rule	1		
			Psy.	153—General Psychology	3		
		<hr/>			<hr/>		
		15			16		

The prospective engineer should consult the catalog of the engineering school of his choice to be sure of fulfilling its requirements.

### Pre-Medical Program

Medical schools require the following subjects prior to entrance: one semester each of algebra and trigonometry, one year of general chemistry, one semester of organic chemistry, one year of biology, and one year of physics. These are the bare minimum requirements along with three years work at the college level. In addition, many medical schools are urging more mathematics (analytical geometry and introductory calculus). Many require a year of organic chemistry, qualitative and quantitative analysis, comparative vertebrate anatomy, genetics, or embryology. It is highly desirable, but not essential, that the pre-medical student take bacteriology, physiology, histology, biochemistry, physical chemistry, and additional physics. It is vital that the pre-medical student should balance his scientific education with a good background in the arts, humanities, and social sciences.

Since specific requirements vary between medical schools, it is strongly urged that the student investigate the requirements of the school of his choice during his first two years of college.

The pre-medical student must demonstrate that he is a good student and should maintain at least a "B" average. He is urged to consult continually with his pre-medical advisor for direction and guidance.

A student who follows a program that includes the requirements for graduation and enters medical school at the end of his junior year may, after successfully completing his first year at medical school, transfer his credits to Morehead and receive the bachelor's degree.

### Pre-Pharmacy Program

The following two-year program for pre-pharmacy is suggested as one meeting the basic requirements for schools of pharmacy. Those who plan to take a degree in pharmacy should consult the catalog of the school of pharmacy which they plan to attend to be certain that they fulfill the requirements of the chosen school.

#### FRESHMAN YEAR

First Semester			Second Semester		
Eng.	101—Writing and Speaking	3	Eng.	102—Writing and Speaking	3
P.E.	Activity course	1	Biol.	210—General Zoology	4
	Freshman Orientation	1	Math.	141—Plane Trigonometry	3
Sci.	105—Intro. to Biological Science	3	Chem.	112—General Chemistry	4
Math.	152—College Algebra	3		Soc. Sci. elective	3
Chem.	111—General Chemistry	4			
Hlth.	150—Personal Health	2			
		<hr/>			<hr/>
		17			17

SOPHOMORE YEAR

First Semester			Second Semester	
Phys. 131—Elementary Physics	4		Phys. 132—Elementary Physics	4
Chem. 222—Qualitative Analysis	4		Chem. 223—Quantitative Analysis	4
Biol. 215—General Botany	4		Foreign Language	3
P.E. Foreign Language	3		Elective	6
Activity course	1			
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	16			17

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 105 -----	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 in advanced physics -----	12
Earth Science 100 -----	3
	<hr/>
Minimum for an Area of Concentration-----	48

Mathematics 141 and 152 (or their equivalent) are required for those taking this area.

	Sem. Hrs.
For a Major:	
Science 105 -----	3
Biology 206, 210, 215, 304, 317, 337 or 338, 413 or 480, 471 and one course involving field work ----	27-28
	<hr/>
Minimum for a Major -----	30-31

Students who are majoring in biology are also required to earn credits in the following science and mathematics courses:

Earth Science 101 or Earth Science 374 .....	3
Chemistry 111 and 112 .....	8
Physics 131 and 132 .....	8
Mathematics 141 and 152 (or their equivalent).....	6

*For a Minor:*

Science 105 .....	3
Biology 210 and 215 .....	8
Elective in advanced biology approved by the department .....	7
Minimum for a Minor .....	18

Students minoring in biology are also required to take Chemistry 111 and 112.

**Recommendations:**

The above requirements are in all categories the minimum requirements and should be supplemented by elective courses as much as possible. Particularly recommended are additional courses in the supporting sciences and mathematics (e.g., calculus, statistics, physiological chemistry, paleontology) and philosophy of science.

It is recommended that a major in biology elect chemistry for the other major field or that he should have a minor at least.

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
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
Sci.	105—Intro. to Biological Science	3	Math.	132—General Mathematics	3
Math.	152—College Algebra	3		or	
Chem.	111—General Chemistry	4	Math.	141—Plane Trigonometry	4
	Elective in Social Science	3	Chem.	112—General Chemistry	3
			E.S.	100—Physical Geology	3
				Elective in Social Science	3



## SOPHOMORE YEAR

First Semester		Second Semester		
Eng.	201—Intro. to Literature	3	Eng. 202—Intro. to Literature	3
P.E.	Activity course	1	P.E. Activity course	1
Biol.	206—Biological Etymology	1	Biol. 215—General Botany	4
Biol.	210—General Zoology	4	or	
or			Biol. 210—General Zoology	4
Biol.	215—General Botany	4	Phys. 132—Elementary Physics	4
Phys.	131—Elementary Physics	4	Hlth. 150—Personal Health	2
Psy.	153—General Psychology	3	Ed. 210—Human Growth and Develop. I	3
		<hr/>		<hr/>
		16		17

## JUNIOR YEAR

First Semester		Second Semester		
S.S.	300—Current World Problems	3	Ed. 300—Intro. to Student Teaching	1
F.A.	160—Apprec. of the Fine Arts	3	Phil. 200—Intro. to Philosophy	3
	or		or	
Biol.	Foreign Language	3	Biol. Foreign Language	3
Chem.	Advanced elective	4	Phys. Advanced elective	5
	Elective	3	Phys. Elective	4
	Advanced elective	3	Phys. Advanced elective	5
		<hr/>		<hr/>
		16		16

## SENIOR YEAR

First Semester		Second Semester		
Hist.	400—American Foundations	3	Ed. 477—Professional Semester	15
Biol.	471—Seminar	1	(The Professional Semester may be taken either semester of the senior year.)	
Biol.	Advanced elective	3		
	Advanced elective	8		
		<hr/>		<hr/>
		15		15

## Provisional High School Certificate with a Major in Biology

## FRESHMAN YEAR

First Semester		Second Semester		
Eng.	101—Writing and Speaking	3	Eng. 102—Writing and Speaking	3
P.E.	Activity course	1	P.E. Activity course	1
	Freshman Orientation	1	Ed. 100—Orientation in Education	1
Math.	152—College Algebra	3	Math. 141—Plane Trigonometry	3
Sci.	105—Intro. to Biological Sci.	3	E.S. 101—Historical Geology	3
Chem.	111—General Chemistry	4	Chem. 112—General Chemistry	4
Hlth.	150—Personal Health	2	Math. 111—Slide Rule	1
		<hr/>		<hr/>
		17		16

## SOPHOMORE YEAR

First Semester		Second Semester		
Eng.	201—Intro. to Literature	3	Eng. 202—Intro. to Literature	3
Biol.	206—Biological Etymology	1	Biol. 215—General Botany	4
Biol.	210—General Zoology	4	Ed. 210—Human Growth and Develop. I	3
Psy.	153—General Psychology	3	Phil. 200—Intro. to Philosophy	3
F.A.	160—Apprec. of the Fine Arts	3	or	
	Foreign Language	3	Foreign Language	3
	Second Major	3	Second Major	3
		<hr/>		<hr/>
		17		16

## JUNIOR YEAR

First Semester		Second Semester		
Biol.	317—Bacteriology	4	Ed. 300—Intro. to Student Teaching	1
Biol.	337—Comparative Anatomy	4	Biol. 304—Genetics	3
or			Biol. 413—Plant Physiology	3-4
Biol.	338—Vertebrate Anatomy	4	or	
S.S.	300—Current World Problems	3	Biol. 480—General Physiology	6
	Second Major	6	Second Major	2-3
		<hr/>	Elective	
		17		15-16

SENIOR YEAR			
First Semester		Second Semester	
Hist.	400—American Foundations	3	Ed. 477—Professional Semester 15
Biol.	471—Seminar	1	(The Professional Semester may be taken either semester of the senior year.)
Biol.	Course involving field work	3	
	Second Major	6	
	Elective	2	
		15	15

### DESCRIPTION OF COURSES

**Biology 206. Biological Etymology. One hour.**

Derivation of biological terms, particularly from Greek and Latin. One lecture-discussion period per week.

**Biology 210. General Zoology. Four hours.**

Prerequisite: Science 105.

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 105.

Structure and physiology 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 105.

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.**

Prerequisites: Science 105 and Chemistry 111 and 112.

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.**

Prerequisite: Biology 215.

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 331. Human Anatomy. Three hours.**

(Formerly Biology 336)

Prerequisite: Science 105.

Study of the organs and systems of the human body. Three lecture-discussion hours per week.

**Biology 332. Human Physiology. Three hours.**

Prerequisite: Biology 331.

Cellular physiology; neuromuscular dynamics; physiology of stress and exercise, cardiac dynamics and blood flow; respiratory physiology; alimentation; excretion, endocrinology; and special senses. 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 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 417. Advanced Bacteriology. Four hours.**

Prerequisites: Science 105-106, Biology 317, Chemistry 111-112.

This course will be designed to convey to the biological science major, the pre-professional students, the medical technology students the bacteria, actinomycetes and molds pathogenic for man, as well as the phenomena which characterize the infectious process. It will include the study of the host-parasite relationships and not that of microorganisms alone as independent living agents. Two lecture-discussion periods and two two-hour laboratories each week.

**Biology 419G. Immunology and Serology. Four hours.**

Prerequisites: Science 105-106, Biology 317, Chemistry 111-112.

A study of the fundamental aspects of immunity, hypersensitivity, serology, and antigenic systems and the mechanisms of resistance in various infectious diseases. Two lecture-discussion periods and two two-hour 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; competition 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.

This seminar is designed to give the student an opportunity to become familiar with the literature in biology, to work with indices and bibliographies in special fields, to give him an introduction to research, and to deepen and broaden his scientific philosophy. One hour per week.

**Biology 474G. Biological Techniques. Two hours.**

Prerequisites: Science 105, 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.**

Prerequisites: Either Biology 210 or Biology 215, and Chemistry 332 or 451G. One year of physics recommended.

Emphasis is placed on cellular physiology; enzymology; internal respiration; protein, fat, carbohydrate metabolism; endocrinology; renal, neural, and cardiovascular dynamics. Some special problems of physiology such as acid-base balance aging and cellular death, cancer mechanisms, protein synthesis and the dynamics of stress will be covered. Two lecture-discussion and six 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 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 at the time of 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 105 -----	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
Earth Science 100 -----	3
	-----
Minimum for an Area of Concentration ----	48

Mathematics 141 and 152 (or their equivalent) are required of those taking this area.

*For a Major:*

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, 350, and 471 -----	29
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Students who are majoring in chemistry are required to earn the following credits in physics and mathematics:

Mathematics 141 and 152 (or their equivalent)---	6
Physics 131 and 132 -----	8

*For a Minor:*

Chemistry 111, 112, and ten hours in advanced chemistry -----	18
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For a Professional Degree in Chemistry and for those expecting to do graduate work in chemistry: Chemistry 111, 112, 222, 223, 331, 332, 350, 441, 442, 471; German 101, 201; Physics 231, 232; Mathematics 361, 362 and prerequisites. It is recommended that students of chemistry choose Chemistry 450 as an elective.

**Recommendations:**

It is recommended that chemistry majors elect biology, physics or mathematics for major or minor fields.



## 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
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
Math.	152—College Algebra	3	Math.	141—Plane Trigonometry	3
Chem.	111—General Chemistry	4	Chem.	112—General Chemistry	4
E.S.	100—Physical Geology	3	Psy.	153—General Psychology	3
	Elective in Social Science	3		Elective in Social Science	3
<hr/>			<hr/>		
17			17		

## SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
P.E.	Activity course	1	P.E.	Activity course	1
Sci.	105—Intro. to Biological Science	3	Biol.	210—General Zoology	4
Phys.	131—Elementary Physics	4		or	
F.A.	160—Apprec. of the Fine Arts	3	Biol.	215—General Botany	4
	or		Phys.	132—Elementary Physics	4
	Foreign Language		Phil.	200—Intro. to Philosophy	3
Ed.	210—Human Growth and Develop. I	3		or	
				Foreign Language	
			Hlth.	150—Personal Health	2
<hr/>			<hr/>		
17			17		

## JUNIOR YEAR

First Semester			Second Semester		
Chem.	331—Organic Chemistry	4	Chem.	332—Organic Chemistry	4
Biol.	210—General Zoology	4	Ed.	300—Intro. to Student Teaching	1
	or		Phys.	Elective	4
Biol.	215—General Botany	4	Biol.	Advanced Elective	3
S.S.	300—Current World Problems	3		Advanced Elective	4
	Advanced Elective	4			
<hr/>			<hr/>		
15			16		

## SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	Ed.	477—(The Professional Semester may be taken either semester of the senior year.)	
Chem.	350—Intermediate Organic Chem	2			
Chem.	471—Seminar	1			
	Advanced elective	9			
<hr/>			<hr/>		
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 152, 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 electro-metric 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, pre-dentistry, 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. Four hours.**

Prerequisites: Chemistry 222 and 223.

Aliphatic compounds, alcohols, ethers, aldehydes, ketones, chain hydrocarbons, carbohydrates, fats, proteins. Two lecture-discussion and four laboratory hours per week.

**Chemistry 332. Organic Chemistry. Four hours.**

Prerequisite: Chemistry 331.

Aromatic compounds, naphthenes, vitamins, dyes, biochemistry. Two lecture-discussion and four laboratory hours per week.

**Chemistry 350. Intermediate Inorganic Chemistry. Two hours.**

Prerequisites: Chemistry 111-112, 222-223.

Theories of bonding, mechanisms of inorganic reactions, co-ordination complexes, acid-base theory, structural relations based on

molecular spectra, dipole moments, and magnetic susceptibility; studies of equilibria based on oxidation-reduction potentials. Two lecture-discussion periods per week.

**Chemistry 441G. Physical Chemistry. Four hours.**

Prerequisites: Chemistry 223, 332, Mathematics 261; Physics 132 or 232.

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. Three lecture-discussion and two laboratory hours per week.

**Chemistry 442G. Physical Chemistry. Four hours.**

Prerequisites: Chemistry 441, credit or registration for Mathematics 262.

Chemical kinetics, electrical studies, quantum theory and photo-chemistry, nuclear chemistry. Three lecture-discussion and two laboratory hours per week.

**Chemistry 450G. Organic Analysis. Four hours.**

Prerequisite: Chemistry 332.

Qualitative analysis of organic compounds, i.e., the identification of unknown compounds of organic substances, and the chemical theory underlying such identifications, as well as specialized methods of both physical and chemical nature are studied. The course is designed to encourage greater maturity of thought toward typical organic analytical problems and to introduce the student to laboratory work of semi-independent nature. One lecture and six laboratory hours per week.

**Chemistry 451G. Physiological Chemistry. Four hours.**

Prerequisite: Chemistry 332.

A review of the organic chemistry of carbohydrates, fats, and proteins, followed by a detailed study of their intermediary metabolism; protein synthesis; enzymology; blood chemistry; bioenergetics; fluid electrolyte balance, vitamin and steroid chemistry. Two lecture and four hours of laboratory per week.

**Chemistry 471. Seminar. One hour each semester.**

Prerequisite: Eighteen hours in chemistry and at least junior standing.

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 only to qualified graduate students. The problem and credit hours will be agreed upon at the time of registration.

### EARTH SCIENCE

**Objectives:**

1. To develop in the student a deeper appreciation of the earth and its environments.
2. To provide an adequate background for teachers of earth science, general science, or physical science.
3. To provide students pursuing other science objectives courses correlative to their respective areas.
4. To provide a basis for advanced studies in Earth Science or Geology.

**Requirements:**

<i>For a Minor in Earth Science:</i>	Sem. Hrs.
Earth Science -----	18
In addition the following courses are required for a minor:	
Chemistry 111-112	
Geography 390	
Science 106 or Biology 210	

### DESCRIPTION OF COURSES

**Earth Science 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.

**Earth Science 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.

**Earth Science 200. Descriptive Astronomy. Three hours.**

A non-mathematical presentation of methods and results of astronomical exploration of the solar system, our stellar system, and the galaxies. Three lecture-demonstration periods per week.

**Earth Science 250. Minerals and Rocks. Three hours.**

Prerequisites: Earth Science 100 or Chemistry 111.

A study of the principal rock-forming and economical minerals, and the rock and mineral deposits in which they occur. The laboratory involves the identification of common minerals by their physical properties and the study and classification of rocks. Two lecture-discussion periods and one two-hour laboratory.

**Earth Science 350. Geomorphology. Three hours.**

Prerequisites: Earth Science 100 or Geography 101.

A detailed study of the geological processes which shape our land surface and the forms produced. Special emphasis will be given to interpretation of land forms and significant geologic features in Kentucky. Two lecture-discussion periods and one two-hour laboratory per week.

**Earth Science 374. Paleontology. Three hours.**

Prerequisites: Earth Science 101 or Science 106 or Biology 210.

A systematic survey of the groups of the invertebrate animals significant in the geologic record with special emphasis given to their morphological, genetic, ecological and stratigraphical implications. Two lecture-discussion periods and one two-hour laboratory per week.

**Earth Science 400. Field Studies. Two hours.**

Prerequisites: Completion of 12 hours of earth science.

Methods of field techniques in earth science. Local field investigations correlative with literature in earth science. One four-hour laboratory session per week to be arranged.

## 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:**

<i>For a Major:</i>	Sem. Hrs.
Mathematics 141, 151, 152, 271, 361, and 362.....	18
Elective in mathematics courses above 300 as approved by the department .....	9
	<hr/>
Total for a major .....	27

Students majoring in mathematics are required to earn credit in Physics 231 and 232.

Note: Students who expect to do graduate work in mathematics should take at least 12 hours in the 300 and 400 courses.

<i>For a Minor:</i>	Sem. Hrs.
Mathematics 141, 151, 152, 271, and 361.....	14
Other courses in mathematics prescribed by the department .....	6
	<hr/>
Total for a minor .....	20

It is recommended that students majoring in mathematics choose physics as a second major or minor.

## 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 a Major in Mathematics

## 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
Math.	181—Intro. to Analysis I	5	Math.	182—Intro. to Analysis II	5
Math.	111—Slide Rule	1	Hlth.	150—Personal Health	2
	Elective in Social Science	3		Elective in Social Science	3
	Second Major or Minor	3		Second Major or Minor	3
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16			17		

## SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
P.E.	Activity course	1	P.E.	Activity course	1
Sci.	105—Intro. to Biological Science	3	Sci.	106—Intro. to Biological Science	3
Math.	261—Differential Calculus	4	Math.	262—Integral Calculus	4
F.A.	160—Appre. of the Fine Arts	3	Phil.	200—Intro. to Philosophy	3
	or			or	
	Foreign Language		Ed.	210—Human Growth and Develop. I	3
Psy.	153—General Psychology	3			
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17			17		

## JUNIOR YEAR

First Semester			Second Semester		
Phys.	231—General College Physics	5	Ed.	300—Intro. to Student Teaching	1
S.S.	300—Current World Problems	3	Phys.	232—General College Physics	5
Math.	Advanced Elective	3	Math.	Advanced Elective	3
	Second Major or Minor	6		Second Major or Minor	6
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17			15		

## SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	Ed.	477—Professional Semester	15
Math.	471—Seminar	1		(The Professional Semester may be taken either semester of the senior year.)	
Math.	Advance Elective	3			
	Second Major or Minor	6			
	Elective	2			
<hr/>			<hr/>		
15			15		

## DESCRIPTION OF COURSES

**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 mathe-



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 152. College Algebra. Three hours.**

Special products and factoring; solution of linear, quadratic and higher degree equations; exponents and radicals; variation; logarithms; progressions; probability; partial fractions.

**Mathematics 171. Analytic Geometry. Three hours.**

(Formerly Mathematics 271)

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 181. Introduction to Analysis I. Five hours.**

(Formerly Mathematics 231)

Prerequisite: Placement in the upper quartile on Placement Test.

Number 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 182. Introduction to Analysis II. Five hours.**

(Formerly Mathematics 232)

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 152.

Interest; annuities; amortizations; sinking funds; bonds, depreciation; building and loan; life insurance; related topics.

**Mathematics 261. Differential Calculus. Four hours.**

(Formerly Mathematics 361)

Prerequisite: Mathematics 171 or 182.

Rates and differentials; indefinite integrals; definite integrals; applications of the fundamental theorem; extreme values; curve-tracing; exponential, logarithmic and trigonometric functions; indeterminate forms.

**Mathematics 262. Integral Calculus. Four hours.**

(Formerly Mathematics 362)

Prerequisite: Mathematics 261.

Integration-standard forms; curvature; series; double integrals; triple integrals; differential equations.

**Mathematics 285. Introduction to Matrices. Three hours.**

Prerequisite: Mathematics 171 or its equivalent.

This course is an introduction to the algebra of matrices. Systems of linear equations are presented with a complete matrix treatment. The concept of row and column transformations is used to introduce the notion of the inverse of a matrix.

**Mathematics 341G. Theory of Equations. Three hours.**

Prerequisite: Mathematics 171 or 182.

Simultaneous linear equations; binomial 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 372G. College Geometry. Three hours.**

Prerequisite: Mathematics 171 or 182.

Geometric loci, similar and homothetic figures, Ceva's theorem, Manelau's theorem, coaxial circles, inversion, poles and polars, cross ratio, involution.

**Mathematics 373G. Principles and Techniques of Mathematics. Three hours.**

Prerequisite: Mathematics 262.

This course is for teachers and prospective teachers of secondary mathematics to broaden and deepen the teacher's knowledge of the mathematics he teaches. It supplements and presents new views to previous studies. Materials from advanced mathematics extend topics of secondary mathematics.

**Mathematics 380G. Solid Analytic Geometry. Three hours.**

Prerequisite: Mathematics 171 or 182.

Coordinates and cosines; planes and lines; determinants and matrices; surfaces; general equation of the second degree coordinate and point transformations; matrix algebra.

**Mathematics 420G. Mathematical Statistics. Three hours.**

Prerequisite: Mathematics 262.

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 262.

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 471. Seminar. One hour.**

Prerequisites: Eighteen hours in mathematics and at least junior standing.

This seminar is designed to give the student an opportunity to become familiar with the literature in mathematics, to work with indices and bibliographies in special fields, to give him an introduction to research, and to deepen and broaden his scientific philosophy. One hour per week.

**Mathematics 472. Modern Abstract Algebra. Three hours.**

Prerequisite: Mathematics 262.

Equivalence relations, congruences; Boolean algebra; matrices; determinants; integral domains; groups; fields; rings; ideals.

**Mathematics 476. 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 152, and Mathematics 141 or 181.

Systems of linear equations; vector spaces; basic operations for matrices; determinants; 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.

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.**

Prerequisite: Mathematics 483G.

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 262.

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 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 Physical Science:

	Sem. Hrs.
Physics 231, 232, 471 and nine hours elective in advanced physics -----	20
Science 105 -----	3
Chemistry 111, 112, 222, and four hours elective----	16
Earth Science 100 -----	3
Mathematics 181, 182, 261 and 262 -----	18
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Total for an area of concentration -----	60

*For a Minor:*

Physics 231, 232, 332, 351, 471, 483 and 484-----	25
Elective in physics as approved by the department--	3
	<hr/>
Total for a major -----	28

Students who are majoring in physics are also required to earn credit in Mathematics 462 and Chemistry 111 and 112, and Science 105

*For a Minor:*

Physics 231 and 232 -----	10
Elective in physics as approved by the department--	8
	<hr/>
Total for a minor -----	18

Students who are minoring in physics are also required to earn credit in:

Mathematics 181, 182 and 261 -----	14
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## 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 Physical Science

#### 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
Math. 181—Intro. to Analysis I	5	Math. 182—Intro. to Analysis II	5
Chem. 111—General Chemistry	4	Chem. 112—General Chemistry	4
Hlth. 150—Personal Health	2	Psy. 153—General Psychology	3
Math. 111—Slide Rule	1		
	16		16

#### SOPHOMORE YEAR

First Semester		Second Semester	
Eng. 201—Intro. to Literature	3	Eng. 202—Intro. to Literature	3
P.E. Activity course	1	P.E. Activity course	1
Math. 261—Differential Calculus	4	Math. 262—Integral Calculus	4
Phys. 231—General College Physics	5	Phys. 232—General College Physics	5
Ed. 210—Human Growth and Develop. I	3	Sci. 105—Intro. to Biological Science	3
Math. 111—Slide Rule	1		
	17		16

#### JUNIOR YEAR

First Semester		Second Semester	
E.S. 100—Physical Geology	3	Ed. 300—Intro. to Student Teaching	1
Chem. 222—Qualitative Analysis	4	S.S. 300—Current World Problems	3
F.A. 160—Apprec. of the Fine Arts	3	Phil. 200—Intro. to Philosophy	3
or		or	
Phys. Foreign Language	3	Phys. Foreign Language	3
Advanced Elective	4	Advanced Elective	3
Elective in Social Science	3	Elective in Social Science	3
	17	Advanced Elective	3
			16

#### SENIOR YEAR

First Semester		Second Semester	
Hist. 400—American Foundations	3	Ed. 477—Professional Semester	15
Phys. 471—Seminar	1	(The Professional Semester may be taken either se- mester of the senior year.)	
Chem. Advanced Elective	4		
Phys. Advanced Elective	3		
Advanced Elective	4		
	15		15

### DESCRIPTION OF COURSES

**Physics 131. Elementary Physics. Four hours.**

Prerequisite: Mathematics 141.

Basic principles of mechanics and heat. Three lecture-discussion periods and two laboratory hours per week.

**Physics 132. Elementary Physics. Four hours.**

Prerequisite: Physics 131.

Electricity and magnetism, light, nuclear and atomic physics. Three lecture-discussion periods and two hours of laboratory per week.

**Physics 231. General College Physics. Five hours.**

Prerequisite: Mathematics 261.

Mechanics, heat, hydrodynamics, and acoustics. Three hours of lecture and four hours of laboratory and problem solving per week.

**Physics 232. General College Physics. Five hours.**

Prerequisite: Physics 231.

Electricity and magnetism; optics; atomic and nuclear structure. Three hours of lecture and four hours of laboratory and problem solving per week.

**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.**

Prerequisite: Physics 232.

Equations of state of gases; thermodynamic processes; kinetic theory. Two hours of lecture-discussion and two hours of measurement and problem solving per week.

**Physics 312. Light and Physical Optics. Three hours.**

Prerequisite: Physics 232.

Basic phenomena of geometrical and physical optics, including the study of wave motion, interference, refraction, diffraction, polarization and the theory of physical optics. Two hours per week devoted to lectures and classroom discussion and two hours per week devoted to measurement and problem solving.

**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. Two lecture-discussion-demonstration hours per week.

**Physics 332. Electricity and Magnetism. Four hours.**

Prerequisite: Physics 232.

Electrostatics; capacitance; dielectrics; magnetism; induction; D. C. and A. C. circuits; Maxwell's equations. Three lecture-discussion hours and two hours of measurement and problem solving per week.



**Physics 351. Modern Physics. Four hours.**

Prerequisite: Physics 232.

Atomic and nuclear structure; radioisotope techniques, sanitary science, waves and particles. Three hours of lecture-discussion and two hours of laboratory per week.

**Physics 361G. Fundamentals of Electronics. Three hours.**

Prerequisite: Physics 232.

A study of the characteristics of vacuum tubes, rectifiers, amplifiers, oscillators, and gas filled tubes. One hour of lecture and four laboratory hours per week.

**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. One hour.**

Prerequisite: Eighteen hours of physics and at least junior standing.

This seminar is designed to give the student an opportunity to become familiar with the literature in physics, to work with indices and bibliographies in special fields, to give him an introduction to research, and to deepen and broaden his scientific philosophy. One hour per week.

**Physics 476. 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.

Problems of statics and dynamics, vectors, equilibrium, frames of reference, virtual work, inertia, friction, elasticity.

**Physics 484G. (Also Mathematics 484G). Theoretical Mechanics. Three hours.**

Prerequisite: Physics 483G.

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.

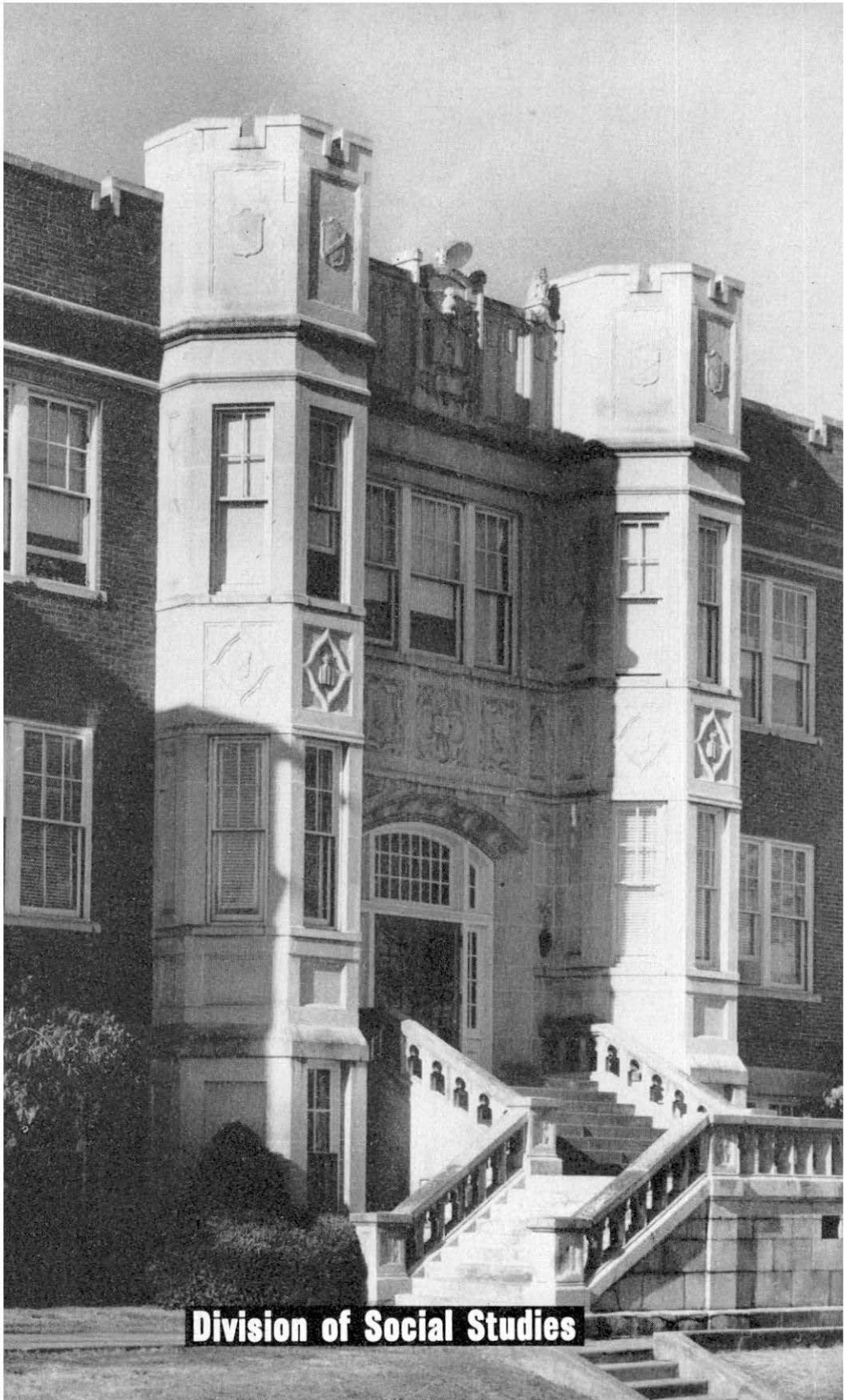
**Physics 501. Physical Concepts. Three hours.**

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. Flatt	Mr. Nelson
Mr. Akers	Mr. Gartin	Mrs. Patton
Mrs. Akers	Mr. LaPage	Mr. Playforth
Mr. Breaden	Mr. LeRoy	Mr. Ragan
Mr. Exelbirt	Mr. Luckey	Mr. Ward
Mr. Fincel	Mr. Mangrum	Mr. Whiteman
	Mr. Martin	

#### **Objectives:**

1. To provide, through the area of concentration, 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.
6. To provide courses and experiences preparatory for service in government, particularly the government of the Commonwealth and its political subdivisions.

## SOCIAL SCIENCE

*Requirements for an Area of Concentration in Social Science:*

	Sem. Hrs.
History 241, 242, 331, and 332 -----	12
Additional advanced credit in history -----	6
Political Science 241 and 343 -----	6
Additional advanced credit in political science -----	3
Sociology 201 and 303 -----	6
Additional advanced credit in sociology -----	3
Economics 201 and 202 -----	6
Geography 100 -----	3
Additional advanced credit in geography -----	3
Six hours elective from any of the social sciences -----	6
Seminar -----	1
Total for an Area of Concentration -----	55

## 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	1	P.E.	Activity course	1
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
Sci.	103—Intro. to Physical Science	3	Sci.	104—Intro. to Physical Science	3
Geog.	100—Fundamentals of Geography	3	Soc.	201—General Sociology	3
Hlth.	150—Personal Health	2	Psy.	153—General Psychology	3
	General Elective	3		General Elective	3
16			17		

## SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
Sci.	105—Intro. to Biological Science	3	Sci.	106—Intro. to Biological Science	3
Hist.	241—The U.S. 1492-1865	3	Hist.	242—The U.S. 1865 to the Pres.	3
Ec.	201—Principles of Economics	3	Ec.	202—Economic Problems	3
Ed.	210—Human Growth and Develop. I	3	FA	160—Appre. of the Fine Arts	3
15			15		

## 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—Government of the U.S.	3	P.S.	343—American Political Parties	3
Soc.	303—Social Ethics	3	Hist.	Advanced Elective	3
Geog.	Advanced Elective	3	S.S.	Advanced Elective	3
Phil.	200—Intro. to Philosophy	3	Ed.	300—Intro. to Student Teaching	1
	General Elective	2		General Elective	4
17			17		

## SENIOR YEAR

First Semester			Second Semester		
Hist.	Advanced Elective	3	Ed.	477—Professional Semester	15
Soc.	Advanced Elective	3	(The Professional Semester may be taken either semester of the senior year)		
P.S.	Advanced Elective	3			
S.S.	Elective	3			
S.S.	471—Seminar	1			
	General Elective	3			
16			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: 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.**

Prerequisite: 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

**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:**

<i>For a Major in Economics and Sociology:</i>	Sem. Hrs.
Economics 201 and 202 .....	6
Sociology 201, 203 and 305 .....	8
Social Science 471 .....	1
Advanced credit in economics or sociology approved by the division .....	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 division .....	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, 303, 305, and 471.....	13
Advanced credit in sociology approved by the division .....	12
Minimum for a Major .....	25

*For a Minor in Sociology:*

Sociology 201, 203, and 305 .....	8
Advanced credit in sociology approved by the division .....	10
Minimum for a Minor .....	18

*For a Minor in Economics:*

Economics 201 and 202 .....	6
Additional credit in economics approved by the division .....	12
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  
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	1	P.E.	Activity course	1
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
Sci.	103—Intro. to Physical Science	3	Sci.	104—Intro. to Physical Science	3
Soc.	201—General Sociology	3	Soc.	203—Contemporary Social Probs.	3
F.A.	160—Apprec. of the Fine Arts	3	Psy.	153—General Psychology	3
or	Foreign Language			Second Major	3
Hlth.	150—Personal Health	2			
		16			17

## SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
Sci.	105—Intro. to Biological Science	3	Sci.	106—Intro. to Biological Science	3
Ec.	201—Principles of Economics	3	Ec.	202—Economic Problems	3
Ed.	210—Human Growth and Develop. I	3	Phil.	200—Intro. to Philosophy	3
	Second Major	3	or	Foreign Language	3
		3		Second Major	3
		<hr/>			<hr/>
		15			15

## JUNIOR YEAR

First Semester			Second Semester		
Soc.	305—Cultural Anthropology	3	S.S.	300—Current Social Problems	3
Ed.	300—Intro. to Student Teaching	1		Elective in Ec. or Soc.	6
	Elective in Ec. or Soc.	3		Second Major	6
	Second Major	6		General Elective	2
	General Elective	3			
		<hr/>			<hr/>
		16			17

## SENIOR YEAR

First Semester			Second Semester		
Hist.	400—American Foundations	3	Ed.	477—Professional Semester	15
S.S.	471—Seminar	1		(The Professional Semester may be taken either semester of the senior year.)	
	Elective in Ec. or Soc.	6			
	General Elective	7			
		<hr/>			<hr/>
		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 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: Junior standing.

Medieval and early modern backgrounds; agriculture, industry, and trade from 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.**

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 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 201. General 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. Three 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 303. Social Ethics. Three hours.**

(Also Philosophy 303)

A study of theoretical and practical problems of moral conduct and proposed solutions to them; a study of the nature of ethics, values, 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.

**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 370. Rural Sociology. Three hours.**

(Formerly Sociology 170)

A study of the culture and social organization of rural societies; socio-economic aspects of agriculture; conditions and movements of rural population; rural social institutions and agencies; bio-social conditions; rural-urban relations; emphasis on the Appalachian Region.

**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; adjust-

ment 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. 425G. The Community. Three hours.**

Community organization, nature, classification, structure, functions, and institutions. A study of human behavior and interrelationships, variation and change, conflict and disorganization, integration, techniques and principles in rural life and development. Stress is placed on rural communities.

**Sociology 500. Independent Research. One to four hours.**

Qualified students may arrange with staff for individual work on some particular sociological problems. 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 550. Social Thought and Theory. Three hours.**

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

### 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 different 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:**

<i>For a Major with Certificate:</i>	Sem. Hrs.
Geography 100, 101, 200, 211, 241, 331 and 471-----	17
Elective courses in geography approved by the division -----	12
Minimum for a Major-----	29

*For a Minor:*

Geography 100, 101, 241 and 331-----	12
Elective courses in geography approved by the division -----	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	1	P.E.	Activity course	1
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
Sci.	105—Intro. to Physical Science	3	Sci.	106—Intro. to Physical Science	3
Geog.	100—Fundamentals of Geography	3	Geog.	101—Physical Geography	3
F.A.	160—Appre. of the Fine Arts	3	Psy.	153—General Psychology	3
or	Foreign Language			Second Major	3
Hlth.	150—Personal Health	2			
		16			17



## SOPHOMORE YEAR

First Semester				Second Semester			
Eng.	201—	Intro. to Literature	3	Eng.	202—	Intro. to Literature	3
Sci.	107—	Intro. to Biological Science	3	Sci.	108—	Intro. to Biological Science	3
Geog.	211—	Economic Geography	3	Geog.	241—	United States and Canada	3
Geog.	200—	Map Interpretation	1			Second Major	3
Phil.	200—	Intro. to Philosophy	3			General Elective	3
or		Foreign Language	3				
Ed.	210—	Human Growth and Develop. I	3				
			<hr/>				<hr/>
			16				15

## JUNIOR YEAR

First Semester				Second Semester			
S.S.	300—	Current World Problems	3	Ed.	300—	Intro. to Student Teaching	1
Geog.	331—	Europe	3			Elective in Geography	6
		Second Major	6			Second Major	6
		Elective in Geography	3			General Elective	3
		General Elective	2				
			<hr/>				<hr/>
			17				16

## SENIOR YEAR

First Semester				Second Semester			
Hist.	400—	American Foundations	3	Ed.	477—	Professional Semester	15
S.S.	471—	Seminar	1			may be taken either se-	
		Second Major	6			mester of the senior year.)	
		Elective in Geography	3				
		General Elective	3				
			<hr/>				<hr/>
			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 interpreted 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 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 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**

**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:

<i>For a Major in History:</i>		Sem. Hrs.
History 131, 132, 241, 242, 331, 332, 471	-----	19
Advanced credit in history approved by the division	-----	9
Total for a Major	-----	28
 <i>For a Minor in History:</i>		
Either History 131 and 132 or History 331 and 332	-----	6
History 241, 242	-----	6
Advanced credit in history approved by the division	-----	6
Total for a Minor	-----	18
 <i>For a Major in Political Science:</i>		
Political Science 241, 242, 333, 343, 450, 471	-----	16
Advanced credit in political science approved by the division	-----	9
Total for a Major	-----	25
 <i>For a Minor in Political Science:</i>		
Political Science 241, 242, 343, 450	-----	12
Advanced credit in political science approved by the division	-----	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	1		Activity course	1
	Freshman Orientation	1	Ed.	100—Orientation in Education	1
Sci.	103—Intro. to Physical Science	3	Sci.	104—Intro. to Physical Science	3
Hist.	131—History of Civilization	3	Hist.	132—History of Civilization	3
F.A.	160—Appre. of the Fine Arts	3	Psy.	153—General Psychology	3
or	Foreign Language	3		Second Major	3
Hlth.	150—Personal Health	2			
		16			17

## SOPHOMORE YEAR

First Semester			Second Semester		
Eng.	201—Intro. to Literature	3	Eng.	202—Intro. to Literature	3
Sci.	105—Intro. to Biological Science	3	Sci.	106—Intro. to Biological Science	3
Hist.	241—U.S. of A., 1492-1865	3	Hist.	242—U.S. of A., 1865-Present	3
Ed.	210—Human Growth and Develop. I	3		Second Major	6
Phil.	200—Intro. to Philosophy	3			
or	Foreign Language	3			
		15			15

## JUNIOR YEAR

First Semester			Second Semester		
Ed.	300—Intro. to Student Teaching	1	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
	General Elective	4		General Elective	5
		<hr/>			<hr/>
		17			17

## SENIOR YEAR

First Semester			Second Semester		
S.S.	471—Seminar	1	Ed.	488—Professional Semester	15
	Elective in History	6		(The Professional Semester may be taken either semester of the senior year.)	
	Second Major	3			
	Elective	6			
		<hr/>			<hr/>
		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, Since 1865. 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 328G. Africa. Three hours.**

Prerequisite: Junior standing.

A study of the rise and fall of colonialism in Africa including an examination of economic, social, geographic and political problems. The second portion of the course traces the growth of nationalism and independence.

**History 329G. Southern Asia. Three hours.**

Prerequisite: Junior standing.

An examination of the rise and fall of colonialism in Southern Asia including a study of economic, social and political developments, followed by the growth of nationalism and independence.

**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, Since 1815. 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. 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. 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. 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. 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. 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.

A study in the founding of the American Republic from the age of discovery to the winning of independence. Attention is given to the political, economic, and social forces within the colonial system and the contributions of experimentation in the New World, culminating in the American character and democracy.

**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 Since 1900. Three hours.**

Prerequisite: Junior standing and preferably History 242.

A history of the American people in the twentieth century from the impulses of Progressivism to the New Frontier. Particularly stressed are the political alignments, social and intellectual history, trends in education, economics, and the changing patterns of government. Of vital interest are the evolution in civil liberties, the challenges of the radical left and right, the rise of labor and America's emerged world leadership of the free nations of the world.

**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 affairs 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 prob-

lems; 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.

**History 540. Literature of American History. Three hours.**

An analysis of the works of prominent American historians from the colonial period to the present. Emphasis is placed upon the ideas, range, and art of history, affording a basic understanding and comparative knowledge of historical interpretations.

### 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.**

Prerequisite: 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.**

Prerequisite: Political Science 241.

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)

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

**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:**

<i>*For a Minor:</i>	Sem. Hrs.
Philosophy 200, 306, 405 and 406.....	12
Additional credit in philosophy approved by the division .....	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 300. Philosophy of Science. Three hours.**

An introductory study designed to include the following topics: the philosophical foundations of modern empirical science; the nature of scientific method and explanation; the role of mathematics in empirical science; theories of matter, space, time, and causality.

**Philosophy 303. Social Ethics. Three hours.**

(Formerly Philosophy 305)

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 308. Philosophy of the Arts. Three hours.**

An examination of the major theories of art with special consideration of: the structure of art; the aesthetic experience; problems in aesthetics; art criticism.

**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.

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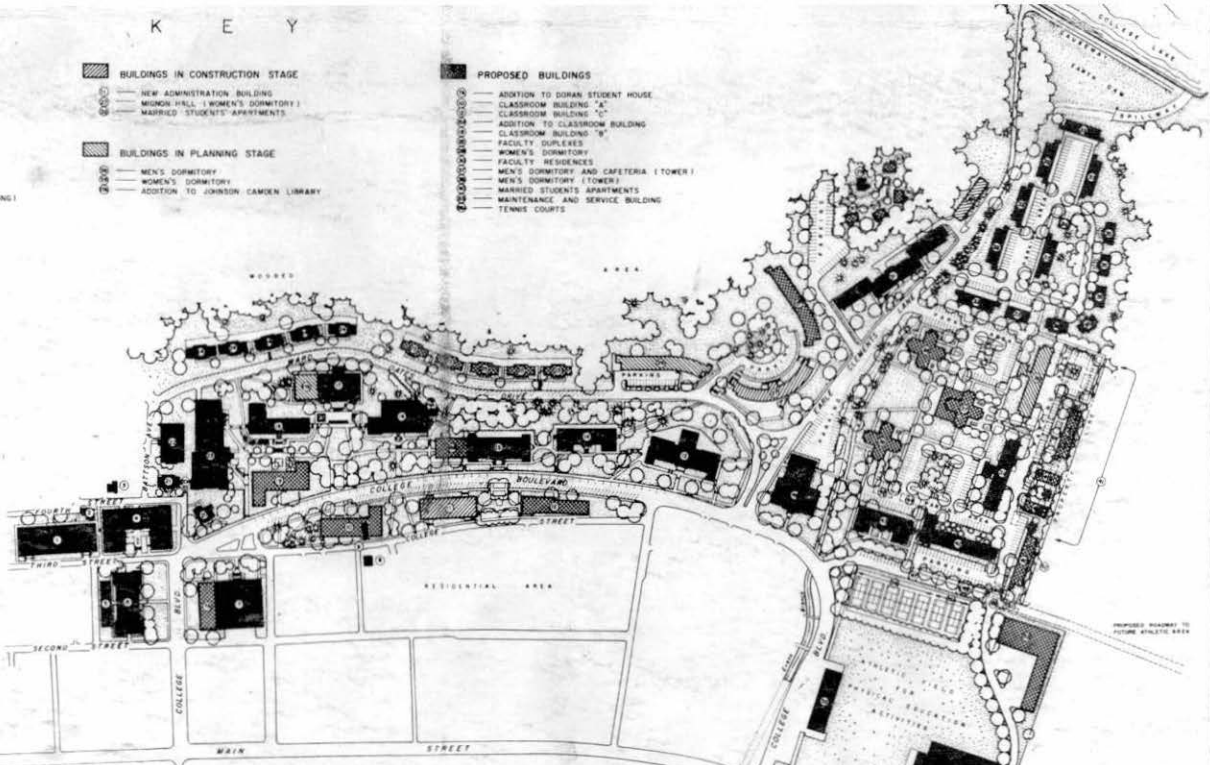
- EXISTING BUILDINGS TO REMAIN**
- HOME ECONOMICS-INDUSTRIAL ARTS BUILDING
  - HOME DEMONSTRATION HOUSE
  - BAFFET STUDENT CENTER
  - CLASSROOM BUILDING
  - MACHINE SHOP
  - LARVIN HALL
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  - TEMP MARRIED STUDENTS HOUSING
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  - TEMP MARRIED STUDENTS HOUSING
  - MAINTENANCE AND STORAGE
  - MAINTENANCE AND STORAGE
  - MAINTENANCE AND STORAGE
  - TEMP MARRIED STUDENTS HOUSING

- LEGEND**
- DECIDUOUS TREES
  - CONIFEROUS TREES
  - LAWN AREA
  - STREAM



MASTER PLAN  
**MOREHEAD STATE COLLEGE**  
 MOREHEAD KENTUCKY

MILLER, WHIRRY & LANTZ LANDSCAPE ARCHITECTS & ENGINEERS LOUISVILLE, KENTUCKY

0 50 100 FEET

AUGUST 1962

APPROVED BY  
*[Signature]*