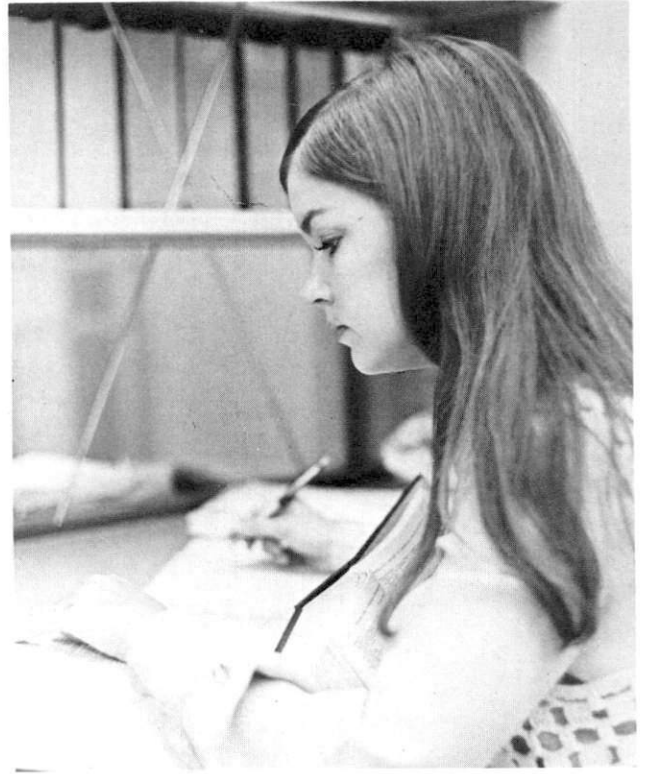


**GRADUATE  
BULLETIN,  
1973-1975**

**MOREHEAD  
STATE  
UNIVERSITY**



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STATE  
UNIVERSITY**

**GRADUATE  
BULLETIN,  
1973-1975**

# **BULLETIN of**

**Morehead State University  
Morehead, Kentucky 40351**

**GRADUATE BULLETIN, 1973 - 1975**

## **ACCREDITATION**

**Southern Association of Colleges and Schools  
National Council for the Accreditation  
of Teacher Education  
National Association of Schools of Music**

## **MEMBERSHIPS**

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Teacher Education  
American Association of Colleges  
Association of State Colleges and Universities  
Association of Field Services in Teacher Education  
National Association for Business Education  
American Association of University Women  
National League for Nursing**

**VOLUME 39**

**March, 1973**

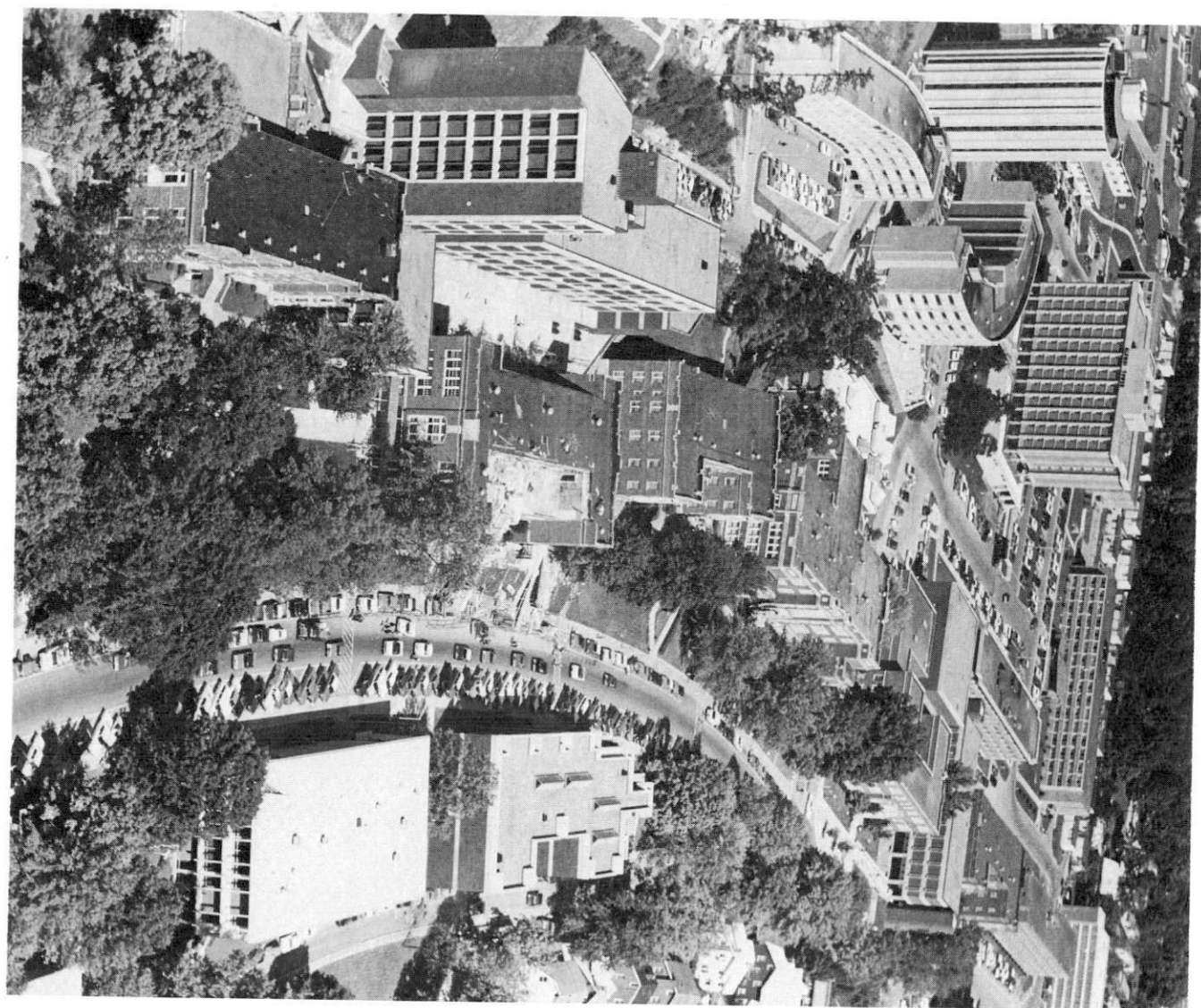
**No. 1**

This bulletin was prepared by Morehead State University and printed with state funds KRS 57.375

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# **The University**

**CALENDARS  
HISTORY  
THE CAMPUS**

## CALENDAR, 1973-74

### Fall Semester

August 20	Monday	A.M.	Freshmen Orientation begins
	Monday	P.M.	Registration of seniors and graduate students
			Orientation of transfer students
			Registration of juniors and sophomores
August 21	Tuesday	A.M.	Registration of juniors and sophomores
	Tuesday	P.M.	Registration of freshmen
August 22	Wednesday		Registration of freshmen
August 23	Thursday		Classes begin
August 24	Friday		MWF classes meet
August 25	Saturday		Registration of part-time students for night and Saturday classes
August 27	Monday		Last day to register for a full load
September 3	Monday		Labor Day (Holiday)
September 24	Monday		Freshmen grade reports to Data Processing
October 22	Monday		Mid-term grade reports to Registrar's Office
October 29	Monday		Students who drop courses after this date will automatically receive marks of "E" in the courses dropped
November 21	Wednesday		Thanksgiving holidays begin at 11:20 A.M.
November 26	Monday		Class work resumes at 8:00 A.M.
December 10-14	Monday through Friday		Final examinations
December 15	Saturday		First semester closes at 12:00 noon

**Spring Semester**

January 7	Monday	A.M.	Orientation of new students Registration of seniors and graduate students
	Monday	P.M.	Registration of juniors and sophomores
January 8	Tuesday	A.M.	Registration of juniors and sophomores
	Tuesday	P.M.	Registration of freshmen
January 9	Wednesday		Registration of freshmen
January 10	Thursday		Classes begin
January 11	Friday		MWF classes meet
January 12	Saturday		Registration of part-time students for night and Saturday classes
January 14	Monday		Last day to register for a full load
January 21	Monday		Last day to register for credit
February 18	Monday		Washington's Birthday (Holiday)
March 4	Monday		Mid-term grade reports to Registrar's Office Second nine week classes begin
March 9	Saturday		Spring vacation begins at 12:00 noon
March 18	Monday		Class work resumes at 8:00 A.M. (MWF schedule) Students who drop courses after this date will automatically receive marks of "E" in the courses dropped
April 12	Friday		Good Friday (Holiday)
May 6-10	Monday through Friday		Final examinations
May 11	Saturday		Second semester closes at 12:00 noon
May 12	Sunday		Commencement

**Intersession**

May 20	Monday	Registration—8:00 A.M. to 10:00 A.M. Laughlin Health Building Classes begin at 10:00 A.M.
June 7	Friday	Intersession ends

**Summer Term**

June 10	Monday	Registration
June 11	Tuesday	Registration
June 12	Wednesday	Classes begin
August 2	Friday	Summer Term closes

## CALENDAR, 1974-75

### Fall Semester

August 19	Monday	A.M.	Freshmen Orientation begins
	Monday	P.M.	Registration of seniors and graduate students Orientation of transfer students Registration of juniors and sophomores
August 20	Tuesday	A.M.	Registration of juniors and sophomores
	Tuesday	P.M.	Registration of freshmen
August 21	Wednesday		Registration of freshmen
August 22	Thursday		Classes begin
August 23	Friday		MWF classes meet
August 24	Saturday		Registration of part-time students for night and Saturday classes
August 26	Monday		Last day to register for a full load
September 2	Monday		Labor Day (Holiday)
September 23	Monday		Freshmen grade reports to Data Processing
October 21	Monday		Mid-term grade reports to Registrar's Office
October 28	Monday		Students who drop courses after this date will automatically receive marks of "E" in the courses dropped
November 20	Wednesday		Thanksgiving holidays begin at 11:20 A.M.
November 25	Monday		Class work resumes at 8:00 A.M.
December 9-13	Monday through Friday		Final examinations
December 14	Saturday		First semester closes at 12:00 noon

**Spring Semester**

January 6	Monday	A.M.	Orientation of new students Registration of seniors and graduate students
	Monday	P.M.	Registration of juniors and sophomores
January 7	Tuesday	A.M.	Registration of juniors and sophomores
	Tuesday	P.M.	Registration of freshmen
January 8	Wednesday		Registration of freshmen
January 9	Thursday		Classes begin
January 10	Friday		MWF classes meet
January 11	Saturday		Registration of part-time students for night and Saturday classes
January 13	Monday		Last day to register for full load
January 20	Monday		Last day to register for credit
February 17	Monday		Washington's Birthday (Holiday)
March 3	Monday		Mid-term grade reports to Registrar's Office Second nine weeks classes begin
March 8	Saturday		Spring vacation begins at 12:00 noon
March 17	Monday		Class work resumes at 8:00 A.M. (MWF schedule) Students who drop courses after this date will automatically receive marks of "E" in the courses dropped
March 28	Friday		Good Friday (Holiday)
May 5-9	Monday through Friday		Final examinations
May 10	Saturday		Second semester closes at 12:00 noon
May 11	Sunday		Commencement

**Intersession**

May 19	Monday	Registration—8:00 A.M. to 10:00 A.M. Laughlin Health Building Classes begin at 10:00 A.M.
June 6	Friday	Intersession ends

**Summer Term**

June 9	Monday	Registration
June 10	Tuesday	Registration
June 11	Wednesday	Classes begin
August 1	Friday	Summer Term closes

## HISTORY

A long tradition of service to the people of the Commonwealth of Kentucky runs through the history of Morehead State University. A study of educational needs in the state led to the establishment of Morehead State Normal School, whose doors opened for the first time as a public institution in September of 1923. The campus was one which had been occupied for 35 years by a private institution bearing the name of Morehead Normal School. The tradition of education that had been established by this predecessor provided strong support in the region for the new public undertaking.

In 1926, the General Assembly changed the name to Morehead State Normal School and Teachers College, and the growing college was admitted to membership in the Kentucky Association of Colleges. Morehead State Normal School and Teachers College became Morehead State Teachers College in 1930, graduating 11 seniors from a student body of 256, with a faculty of 22.

The college entered a decade of sustained growth during which the size of the student body and the faculty more than doubled. Four major buildings and Jayne Memorial Stadium were built during this decade. In 1941, the college admitted its first foreign student, and the next year became the site of an electrical training school for the United States Navy.

After the war, offerings and services were broadened, and in 1948 the General Assembly changed the name to Morehead State College—a harbinger of what came to be known as the “Breakthrough” period of the 1950’s.

During the 1950’s, enrollment tripled, the campus acquired its first major structure in 17 years as a huge expansion of physical facilities exceeding \$50,000,000 was undertaken and educational programs were greatly strengthened and expanded. The sound philosophy of service to the region was greatly strengthened during this period and Morehead State College became the center of regional activities for diverse groups.

Continued growth in the 1960’s brought one more change in name—Morehead State University, a reflection of the changing needs of the people of the Commonwealth for higher education. With that change in status in 1966, Morehead State University reached another level in its tradition of service that now has lengthened to more than four decades. The private normal school, turned state normal school with the job of training elementary teachers, has become something its first president, Dr. Frank C. Button, would not have dreamed—a renowned regional university whose offerings reach a broad spectrum of people from all walks of life.

## THE CAMPUS

At the northeast edge of the City of Morehead lies the campus of Morehead State University, its gently-sloping, wooded grounds covering nearly 500 acres.

Campus buildings combine the traditional and the contemporary in an imposing array of modern physical facilities set against the natural backdrop of the Daniel Boone National Forest. The campus skyline resembles a city with its high-rise buildings and tree-lined streets.

The University's physical plant represents an investment of upwards of \$65 million in prize-winning and eye-pleasing architecture.

### ACADEMIC-ADMINISTRATIVE

Fourteen separate structures comprise the academic-administrative group which extends along University Boulevard from Main Street (U.S. 60) on the east to Tippet Avenue on the west end of the campus.

The hub of activity is the **Jerry Howell-Cloyd McDowell Administration Building**, located appropriately in the



**Howell-McDowell Administration Building**



center of campus. Completed in 1963, this three-story, air-conditioned facility contains offices of the President, Vice President for Academic Affairs, Vice President for University Affairs, Vice President for Fiscal Affairs, Vice President for Student Affairs and the deans of graduate and undergraduate programs. The building front features the Great Seals of the University and the Commonwealth of Kentucky. University Affairs is housed on the first floor and includes alumni affairs, extension, school relations, correspondence courses, public and sports information, publications and printing. The second floor incorporates the President's office, business office, registrar's office, undergraduate and graduate programs and non-academic personnel. Located on the third floor are data processing, admissions, Academic Affairs and Student Affairs, which includes housing, financial aid, traffic, dean of students, associate deans of students and campus security.



**Laughlin Health Building**

Starting from the east end of the boulevard, the first academic structure is the **Laughlin Health Building**, a two-story classroom and office structure with 97,000 square feet of floor space. It contains the Division of Health, Physical Education and Recreation and the offices of intercollegiate and intramural athletics. Opened in 1967, it features a multi-purpose room encompassing four regulation-size basketball courts, an eight-lane bowling alley, handball courts, gymnastics and wrestling rooms, a mirrored dance studio, dressing rooms and sauna bath. The building was named for Robert G. Laughlin, former director of athletics and head basketball coach, who retired in 1973 after 38 years of service to the University.

At the east corner of University Boulevard and Clements Lane is **Baird Music Hall**. Constructed in 1953 and expanded in 1963 and again in 1968, this three-story, air-conditioned facility houses the offices of the dean of the School of Humanities, the head of the Department of Music and the director of bands. Also enclosed are faculty studios and offices, classrooms, individual practice and ensemble rooms, a



**Baird Music Hall**



**Rader Hall**

1,000-seat rehearsal hall and a 300-seat recital hall. The second addition received a design award from the Kentucky Society of Architects. The building was named for William Jesse Baird, the University's fifth president.

On the opposite corner is University Breckinridge School, a laboratory school ranging from kindergarten through high school which is open to a limited number of students on a tuition basis. Built in 1931 and enlarged in 1966, the facility includes a television production studio. The building was named for Robert J. Breckinridge, Kentucky's sixth superintendent of public instruction.

Diagonally across from UBS on the corner of University and Elizabeth streets is **Palmer House**, a home-making laboratory for students enrolled in vocational home economics. The modern residence was purchased in 1964 and named for its former owner, John Palmer.

The first academic structure on the south side of the boulevard is the **Claypool-Young Art Building**, another award-winning design selected by the Kentucky Society of Architects. Completed in 1968, the three-story facility is the only structure on a Kentucky public university campus devoted exclusively to the teaching of art and art education. It features a tri-level gallery, two outdoor sculpture courts, rooftop sketching deck, 150-seat lecture room and skylighted studios. The building was named in honor of Mrs. Naomi Claypool, head of the art faculty for 40 years, and Thomas Young, who taught in the department for 28 years.

Across from the art building is **Rader Hall**, the oldest campus building. Opened in 1926, it was renovated

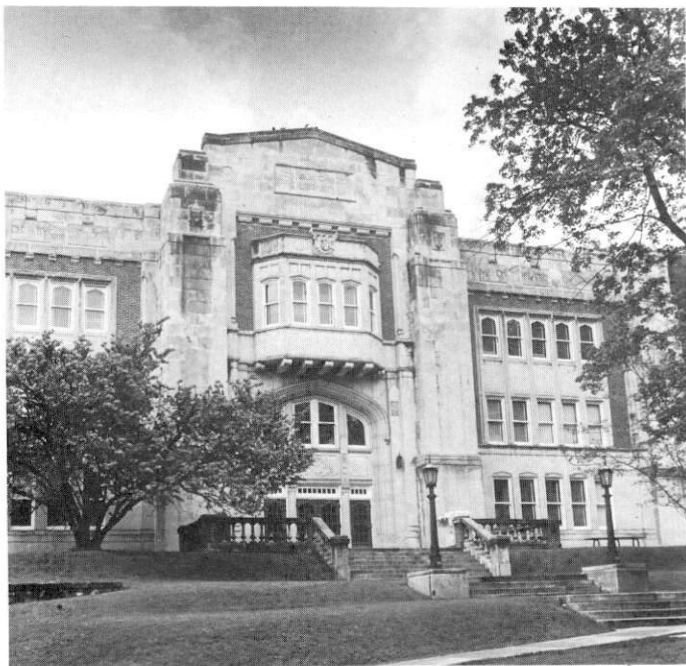


**Lyman V. Ginger Hall**

and enlarged in 1970 to become an ultra-modern classroom and office facility housing the entire School of Social Sciences. Originally used as the administration building, it was named for Clifford Rader, a member of the political science and history faculty for 17 years.

Behind and above Rader is **Lyman V. Ginger Hall**, home of the School of Education, the office of the Vice President for Research and Development, Personal Development Institute, and the **Appalachian Adult Education Center**. Constructed in 1968, the structure is comprised of a nine-story office tower and a six-story classroom wing. Its facilities include a television production studio, reading center, psychology laboratories, seminar rooms and additional audio-visual areas. The building was named for the present Superintendent of Public Instruction in the Commonwealth.

At the end of the longest, straightest walk on campus is the **Johnson Camden Library**. Built in 1931 and more than doubled in size in 1965, it houses nearly 300,000 volumes and includes conference rooms, study carrels, single desks, the James Still Room, ERIC documents, a microfiche collection numbering in the thousands, Oberlin College Collection of Anti-Slavery Propaganda on microcards, a materials center with a wide assortment of phonorecords, filmstrips and other teaching aids and specialized equipment consisting of microfilm readers, microcard readers, microfiche reader-printer and coin-operated photocopy machines. The building was named for Johnson Camden, former U.S. Senator from Kentucky.



**Johnson Camden Library**

Near the boulevard's west terminus is the **Button Building**, headquarters of the Department of Military Science and location of the 1,500-seat Button Audi-

torium which is used for student convocations, theatrical productions, motion pictures, lectures and other programs. Completed in 1929 as a combined auditorium-gymnasium, it was remodeled in 1968 and the gymnasium area was converted into two floors of offices and classrooms and a practice room for the University's voluntary Army ROTC program. The building was named for Frank C. Button, the university's first president.

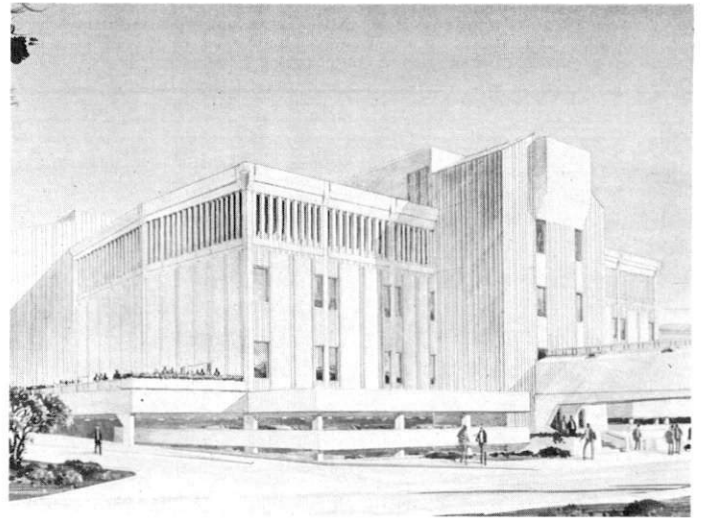
Clustered with two other academic buildings at the west end of the campus is **Lappin Hall**, the four-story home of the School of Science and Mathematics and the Department of Agriculture. Constructed in 1937 and expanded in 1968, the structure contains offices and modernly-equipped classrooms and laboratories. The building was named for Warren C. Lappin, former dean of the faculty and vice president for academic affairs who retired in 1971 after 48 years at the university.

At the corner of Battson Avenue and Third Street is the four-story **Bert Combs Building**, another completely air-conditioned structure. Its tenants include the dean of the School of Business and Economics, the Divisions of Languages and Literature and Communications, the Department of Philosophy, offices of the Trail Blazer, MSU's weekly student newspaper, studios and offices of WMKY, the university's 50,000-watt FM radio station, the Little Theater, the dial-access information retrieval system and the language laboratory. The building was completed in 1961 and later named for Bert T. Combs, the 54th governor of Kentucky.

Next door to the Combs building is the **Lloyd Cassity Building**, a three-story classroom, laboratory and office structure which houses the School of Applied Sciences and Technology. The building was opened in 1962 and contains equipment for most of the University's two-year programs in technical and vocational fields. The building is named for Lloyd Cassity, who serves as the Vice-Chairman of the University's Board of Regents.



Lappin Hall



Boyd F. Reed Hall

The University's largest learning laboratory—a 212-acre experimental farm—is not contiguous to the main campus. It is located on Ky. 377, about six miles north of Morehead in rural Rowan County. A five-year development plan started in 1971 is adding new facilities for agronomy, horticulture, animal science and agricultural economics. Acquired in 1968 and under constant improvement since, the University Farm also is used by local agriculture organizations for various outings and by the University cross country team as a six-mile running course.

Under construction and due for occupancy in 1973 is the five-story **Boyd F. Reed Hall**, housing the Appalachian Technical Institute. Located directly behind the Cassity Building, the structure will include three floors of classrooms and offices for the School of Applied Sciences and Technology and two levels of enclosed parking. It was named for Boyd F. Reed, a member of the University's Board of Regents.



## RESIDENTIAL

The University's on-campus residential facilities consist of 28 multi-story structures for single and married students, one-floor units for married students and faculty and staff members and the official residence of the president.

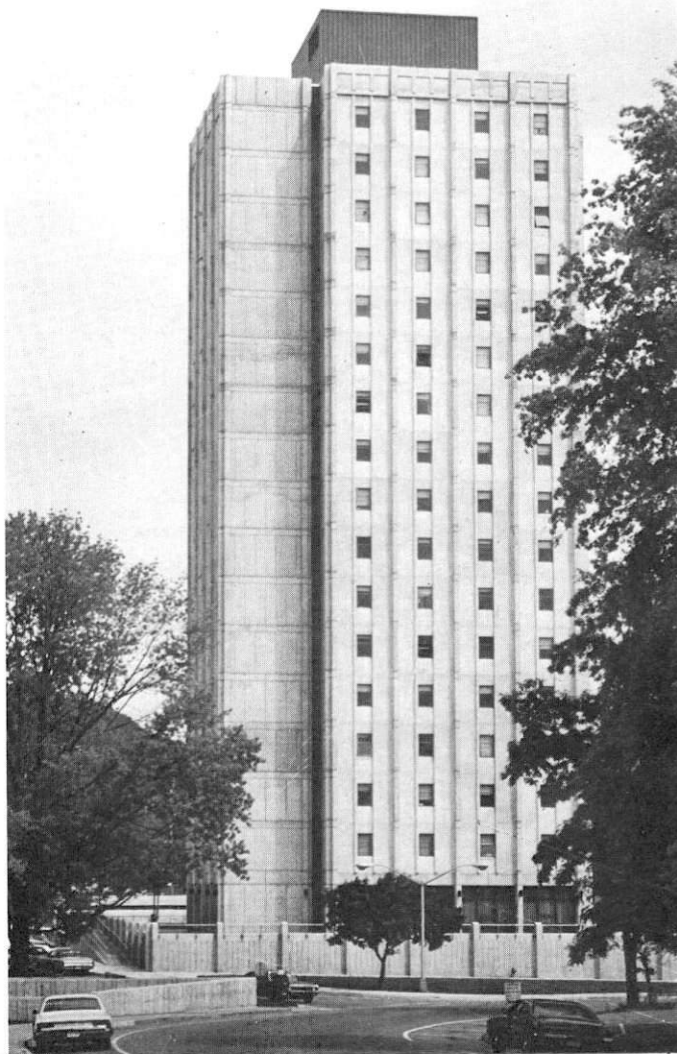
The **President's Home**, a three-story brick structure at the corner of University Boulevard and Battson Avenue, has served each of MSU's seven presidents with Dr. and Mrs. Adron Doran in residence since 1954. Built in 1929, the President's Home stands on a terraced lawn and is furnished in keeping with the importance and dignity of such a structure.

Seventeen modern residence halls function as homes away from home for the bulk of the university's student body. All contain study rooms and a director's apartment. Starting at the east end of the campus, the first campus address is **Downing Hall**, a tri-level structure on the hillside overlooking Breathitt Sports Center. Occupied in 1967, it is used exclusively by the university's unmarried athletes. Featuring 31 modern, four-man carpeted suites, the building was named for George D. Downing, the university's first varsity coach and athletic director.

**Butler Hall**, a three-story men's residence, is located on Henry Ward Place near the boulevard and is connected by a passageway to Mays Hall. Butler contains 102 student bedrooms and was completed in 1961. It was named for Wendell P. Butler, three-term superintendent of public instruction in Kentucky and former chairman of the MSU Board of Regents.

**Mays Hall**, built in 1937 and extensively redecorated in recent years, contains 91 bedrooms. The four-story structure was named for Jesse T. Mays, a 35-year faculty member and former director of the hall.

The tallest campus building and the largest residence facility is **William H. Cartmell Hall**, a 19-story tower which has 240 air-conditioned bedrooms. Completed in 1969, the building features a divided lobby with a



**William H. Cartmell Hall**



Mignon Tower

formal lounge and television viewing area. It towers above the intersection of University Boulevard and Henry Ward Place. The building was named for Dr. W. H. Cartmell, who serves as Chairman of the University's Board of Regents.

Three women's residence halls face the boulevard in the mid-campus area. Situated next door to University Breckinridge School is **Thompson Hall**, a three-story building with 80 bedrooms. Occupied in 1927, it was named for J. H. Thompson, speaker of the Kentucky House of Representatives when MSU was established in 1922. In the shadow of the Education Building is **Allie Young Hall**, a three-story facility with 66 rooms. The ground floor contains the offices of the Raconteur, MSU's yearbook, the campus placement office and three photographic laboratories. Built in 1926, the hall was named in honor of Judge Allie W. Young, a former state legislator credited with a major role in the selection of Morehead as the site for the University. Located near the Button Building is **Fields Hall**, a three-story structure with 80 bedrooms. A 20-bed infirmary is housed on the ground floor. Completed in 1927, the hall was named for Mrs. William J. Fields, wife of a Kentucky Governor and the first woman appointed to the MSU Board of Regents.

Ten of the University's residence halls are situated east and west of Clements Lane between the boulevard and the University Lake. Dominating the north side of the campus is the magnificent **Mignon Complex** a U-shaped grouping of four air-conditioned residence halls which houses 976 women. The project was completed in 1967 with the occupancy of 16-story **Mignon Tower**, built for 292 coeds. The complex also consists of six-story **Mignon Hall**, opened in 1963 with space for 296 women; **West Mignon Hall**, a five-story facility completed in 1964 to accommodate 196 women; and **East Mignon Hall**, a six-story building finished in 1966 with quarters for 192 others. Each hall consists of four-person suites with a study room, bedroom and private bath. The complex was named for Mrs. Mignon Doran, wife of the University's seventh president and



Nunn Hall

founder-director of the MSU Personal Development Institute.

Spanning a wooded hollow near the Mignon Complex is **Nunn Hall**, a 10-story residence hall which houses 392 women in 98 air-conditioned suites. Occupied in 1969, the building was named in honor of Mrs. Beula C. Nunn, wife of the 56th governor of Kentucky.

In front of Nunn Hall is **Waterfield Hall**, a four-story women's residence hall with 196 bedrooms. For 10 years after its completion in 1960 the hall was used by male students. However, it was renovated in 1970 for occupancy by women. The building was named for Harry Lee Waterfield, two-time lieutenant governor of Kentucky.

A high-rise structure and three smaller buildings form a quadrangle of men's air-conditioned residence halls on the east side of Clements Lane across from the Mignon Complex.

**Alumni Tower**, a 10-story home for 382 men, was completed in 1967. It also houses the University's second cafeteria which has a seating capacity of 500 including a formal dining area. The tower was named in honor of the University's more than 12,000 graduates.

On the tower's south side is **Cooper Hall**, a four-story structure completed in 1966 and occupied by 202 men. It bears the name of John Sherman Cooper, senior U.S. Senator from Kentucky and a former ambassador to India.

Two nearly identical four-story men's halls—Regents and Wilson—stand behind Alumni Tower. Each houses 202 men. **Regents Hall**, finished in 1963, was named for all of the persons who have served on the Morehead State University Board of Regents. **Wilson Hall**, opened in 1962, was named in honor of Roger L. Wilson, the University's vice president for student affairs.



Located east of Regents and Wilson are **Normal Hall**, a four-story, 40-unit apartment building, and **Riceville**, a cluster of 20 two-bedroom, unfurnished dwellings. Both projects house married students. Normal Hall, occupied in 1967, was named for Mrs. Phoebe Phelps Button and her associates who founded the Morehead Normal School in 1887.

South of University Lake is **Lakewood Terrace**, a gathering of 10 two-story buildings containing 84 studio apartments and 40 one-bedroom units and five duplexes housing 10 faculty families. Open mainly



Alumni Tower

to married students the buildings were completed in 1960. Eight were named for the university's original faculty—Charles D. Lewis, Henry C. Haggan, Charles O. Peratt, D. M. Holbrook, Inez Faith Humphrey, Evelyn Royalty, Emma Shader and Ruby Vansant. The others were named in honor of U.S. Rep. Carl D. Perkins of Kentucky's 7th Congressional District and Miss Anna Carter, who served as secretary to all seven MSU presidents. Other permanent faculty housing is located on Ward Oates Drive, North Wilson Avenue and at Holbrook Manor.

University-owned and supervised mobile home housing facilities are maintained at four off-campus locations. Parking pads for 12 privately-owned units, five three-bedroom homes for faculty and staff members and 14 one-bedroom units for married students are available three miles east of the campus on U.S. 60. The university has 114 one-bedroom mobile homes on Ky. 32 about two miles from campus; 10 one-bedroom units on Piedmont Avenue adjoining Breathitt Sports Center; and seven others on Henry Ward Place behind Johnson Camden Library.

### AUXILIARY

Six main structures and areas make up the University's auxiliary facilities. Moving from east to west, the first operation is the MSU **Golf Course**, four miles east of campus on U.S. 60. Acquired in 1967, the nine-hole 3,000-yard layout is used by golf classes, the golf team, students, faculty and staff families and the general public.

At the eastern edge of the campus is **Breathitt Sports Center**, a 15-acre athletic complex incorporating a 10,000-seat stadium for football and track, an eight-lane track with a synthetic surface, a baseball park, eight tennis courts, soccer field, intramural fields and football and band practice fields. The stadium's west grandstand includes the football coaching offices and dressing rooms for football, baseball, track and soccer. Completed in 1964, the complex was named for Edward T. Breathitt, Jr., Kentucky's 55th governor.

The University's largest indoor seating area and home of the basketball team is **Lawrence W. Wetherby Gymnasium**, located on Main Street near the east end of University Boulevard. The 5,000-seat arena also contains the basketball coaching offices and is used for basketball games, wrestling matches, commencement exercises, entertainment programs, regional meetings and many student convocations. It was opened in 1957.

Directly behind Wetherby Gynasium is the **W. H. Rice Service Building**, headquarters of the Department of Buildings and Grounds. Built in 1965, it contains more than 15,000 square feet of storage and work space and facilitates maintenance operations as well as receiving and shipping of materials. The University's vehicles are stored in the building's enclosed parking lots. The structure was named for W. H. Rice, the department's superintendent for 32 years.

The University's indoor swimming pool is housed in **Senff Natatorium** on the west side of the Button Building. Besides the 90-foot by 30-foot pool, the Natatorium includes a spectators' gallery and dressing rooms. Used mainly for swimming classes and swim meets, it was opened in 1932 and named for Judge Earl Senff, a former member of the Board of Regents.

Busiest of all campus buildings is the **Adron Doran University Center** at the corner of University Boulevard and Battson Avenue. Originally opened in 1957 and renovated and enlarged in 1969, the three-story structure houses a myriad of activities. The first floor contains the University Post Office, University Store, a game room, information desk, director's office and television lounge. On the second floor are offices of the MSU Student Association, ADUC Program Council, Panhellenic and Interfraternity councils, a 600-seat cafeteria, 230-seat grill, a woman's commuter lounge and East and West meeting rooms. The third floor includes a ballroom seating 1,100 for banquets, and private dining in the Eagle Room (70 seats), Red Room (100 seats) and Presidential Suite (60



**Cooper Hall**

seats). On the same level is the UN Room, meeting place of the University Senate and the executive, judicial and legislative branches of the Student Association. The building bears the name of Adron Doran, the University's seventh president.

Situated near the campus are student centers of the Baptist, Presbyterian, Catholic, Methodist, Episcopal and Christian churches.

### **FUTURE GROWTH**

University planners are at work on designs for a tower addition to the Administration Building, a married student apartment building, two residence halls, an outdoor swimming pool, recreational facilities at the University Lake, a separate facility for the MSU Alumni Association and a clubhouse at the golf course.



**Adron Doran University Center**

## RESIDENCE HALLS

The University endeavors to make it possible for students to live in a wholesome atmosphere under good living conditions. The University provides pillowcases, pillows, sheets, and bedspreads and has these laundered. Students must furnish their own blankets, toilet articles, and towels. Students living in the residence halls are expected to care for their rooms and keep them clean and orderly. Each student is directly responsible for the room to which he is assigned. Students shall occupy only that space assigned by University officials. Prompt settlement for damages is required.

Each student who accepts a room assignment on campus is automatically subject to the terms of published or posted rules and regulations regarding campus and residence hall conduct.

Official closing time for the residence halls will be published several weeks in advance of holidays, vacations, and at the end of each semester. Students who find they must remain on the campus after the official closing time should make the necessary arrangements with the residence hall director. All residence halls will be closed during official vacation periods.

### Application

Anyone desiring to room in one of the University residence halls must apply to the Director of Housing and enclose a twenty-five dollar deposit to secure a room reservation. The deposit of twenty-five dollars is a housing deposit and will be refunded at the time the student officially terminates (by graduation, withdrawal, etc.) his residence in University housing, providing no damage has been done to the room or furnishings and the room key has been returned. Students who are enrolled in the Spring Semester and who desire to live in the residence hall for the coming Intersession, Summer Term, or Fall Semester should make application to secure a room reservation before the close of the Spring Semester.

After making this deposit, a student desiring to cancel his reservation may do so by notifying the Director of Housing by August 1 for the fall semester, by January 1 for the spring semester, and by May 10 for the summer term; the entire deposit will be returned. No part of the deposit will be refunded if such notification is not made by the above dates.

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

All assignments to residence halls are made by the Director of Housing, and room assignments are not completed until satisfactory arrangements for all University expenses are made with the Office of Business Affairs.

Hall and room assignments are not valid unless final admission to Morehead State University is received.

### Rules Concerning Students Residing in Private Homes

Students not residing in the dormitories are required to register their addresses with the Dean of Students prior to the day of registration; 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.

### Housing for Married Couples

The University maintains housing for married students. The types of housing available are: furnished studio-efficiency apartments, one-bedroom furnished apartments, either air-conditioned or non-air-conditioned, two-bedroom unfurnished apartments, and one-bedroom furnished mobile homes. In addition, a number of mobile home parking spaces are available.

Anyone desiring married student housing should make application to the Director of Student Housing.

There are places in the community where light housekeeping can be done. These may be rented furnished or unfurnished.

### **Boarding Facilities**

Dining facilities are provided in the University cafeterias and grill. Light housekeeping is not permitted in dormitory rooms.

### **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 University, to the Dean of Students prior to entrance.

### **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, not to exceed a maximum of \$6.00, will be charged all students who do not register on the day set aside for the purpose.

### **Change in Schedule**

A student's schedule cannot be changed after registration except by permission of the dean of his school and the Dean of Graduate Programs.

A fee of \$2.00 will be charged for each change in the schedule made at the student's request after the date provided in the school calendar.

### **The Marking System**

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 credit allowed

A minimum average of "B" is required for all graduate degrees.

### **The Numbering of Courses**

Courses numbered 500-599 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 Dean of Graduate Programs.

Courses numbered 600-699 may be taken only by graduate students.

Courses numbered 700-799 are special graduate courses involving independent research.

### **Extension Courses**

The University is in position to offer a limited number of graduate courses in suitable study centers. The minimum individual fee for a graduate course by extension is \$27.00 a semester hour.\*

Not more than ten semester hours of extension and/or transferred credit may be applied on a master's degree. Students should consult with their advisers before enrolling for work of this type.

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

\*Effective June 1, 1973

**Correspondence Credit**

Credit earned by correspondence is not accepted on the graduate level.

**Expenses**

The registration fee per academic semester for full-time students residing in Kentucky is \$235.00 and for those graduate students residing outside Kentucky it is \$500.00.\* The registration fee for full-time Kentucky residence in the summer term is \$118.00, and for those students residing outside of Kentucky is \$250.00.

**Terms of Payment**

Fees and room rent are payable at the time of registration. Checks should be made payable to Morehead State University.

Satisfactory financial arrangements must be made before registration is complete.

No degree, diploma, or transcript of credits will be furnished to students until all financial obligations to the University have been paid. All previously incurred expenses to the University must be paid in full before a student may re-enter at the beginning of any semester.

**Laundry Fee**

Each dormitory student is charged a laundry fee of \$5.00 a semester. This fee covers the rental charge on sheets, pillowcases, and bedspreads furnished by the University.

**Post Office Box**

A fee of \$1.00 is charged each semester for rental of a box in the University Post Office.

**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.

\*Effective June 1, 1973



**Expenses for One Semester**  
(Effective June 1, 1973)

**Graduate Students**

	<b>Kentucky Residents</b>	<b>Out-of-State Students</b>
Full-time . . . . .	\$235.00	\$500.00
Part-time (less than 9 hours) per hour . . . . .	27.00	56.00
Room rent (refer to rent schedule) . . . . .	133.00-143.00	133.00-143.00
Laundry service . . . . .	5.00	5.00
University post office box . . . . .	1.00	1.00
Special events fee (optional) . . . . .	10.00	10.00
Telephone centrex fee (if applicable) . . . . .	12.00	12.00

**Expenses for Regular Summer Session**

Registration fee . . . . .	\$118.00	\$250.00
Room rent . . . . .	71.00	71.00
Post office box fee . . . . .	.50	.50
Laundry fee . . . . .	3.00	3.00
Telephone centrex fee (if applicable) . . . . .	6.00	6.00

**Expenses for Intersession**

Graduate (per credit hour) . . . . .	\$ 27.00	\$ 56.00
Dormitory (per week) . . . . .	9.00	9.00
Post office box fee . . . . .	.50	.50

**Rent Schedule****APARTMENTS FOR MARRIED STUDENTS****Lakewood Terrace**

Studio .....	per month, includes utilities	\$60.00
One-bedroom .....	per month, includes utilities	70.00
Normal Hall .....	per month, includes utilities	75.00

**Riceville**

Two-bedroom .....	per month, plus utilities	40.00
Trailers .....	per month, includes utilities	75.00
Trailer Pad .....	per month	25.00

**Dormitory Housing****WOMEN'S RESIDENCE HALLS**

Allie Young Hall .....	per semester	\$133.00
Fields Hall .....	per semester	133.00
Thompson Hall .....	per semester	133.00
Mignon Hall .....	per semester	143.00
West Mignon Hall .....	per semester	143.00
East Mignon Hall .....	per semester	143.00
Mignon Tower .....	per semester	143.00
Palmer House .....	per half semester	71.50
Waterfield Hall .....	per semester	133.00
Nunn Hall .....	per semester	143.00

**SELF-REGULATING FEE**

In all self-regulated women's residence halls, a fee of \$10.00 per semester is charged to cover the added cost of administering and securing the hall.

**MEN'S RESIDENCE HALLS**

Mays Hall .....	per semester	\$133.00
Butler Hall .....	per semester	133.00
Wilson Hall .....	per semester	143.00
Regents Hall .....	per semester	143.00
Alumni Tower .....	per semester	143.00
Cooper Hall .....	per semester	143.00
Downing Hall .....	per semester	133.00
Cartmell Hall .....	per semester	143.00



### Music Fees

One half-hour private lesson per week, per semester .....	\$20.00
Each additional half-hour private lesson per week, per semester .....	20.00
Practice room and organ fee .....	5.00
Instrument rental fee .....	3.00
Graduate recital .....	35.00

Under certain conditions, beginning students in applied music may be assigned to an undergraduate assistant for instruction. In this event, the lesson fee is one-half that charged for lessons with members of the music faculty.

### Centrex

A charge of \$12.00 per semester for the use of the phone for the fall and spring terms and \$6.00 for the summer term will be assessed by the telephone company through the business office to residents of dormitories with Centrex service.

### Other Expenses

The University maintains two modern cafeterias and a grill where food may be purchased at reasonable rates.

Books and necessary supplies may be secured at the University Store. Prices on these items are held at a minimum.

Special fees for Late Registration and for Change of Schedule are explained separately in this catalog. Consult the index for page references.

### Refunds

Refunds of fees will be made as follows:

A student withdrawing for justifiable cause during the first week of school will be refunded 75% of his fees,

and within the second or third weeks will be refunded 50% of his fees, provided however, that the student is not a recipient of a loan, grant, or scholarship, in which case the refund will be made according to the provisions of the particular financial aid program.

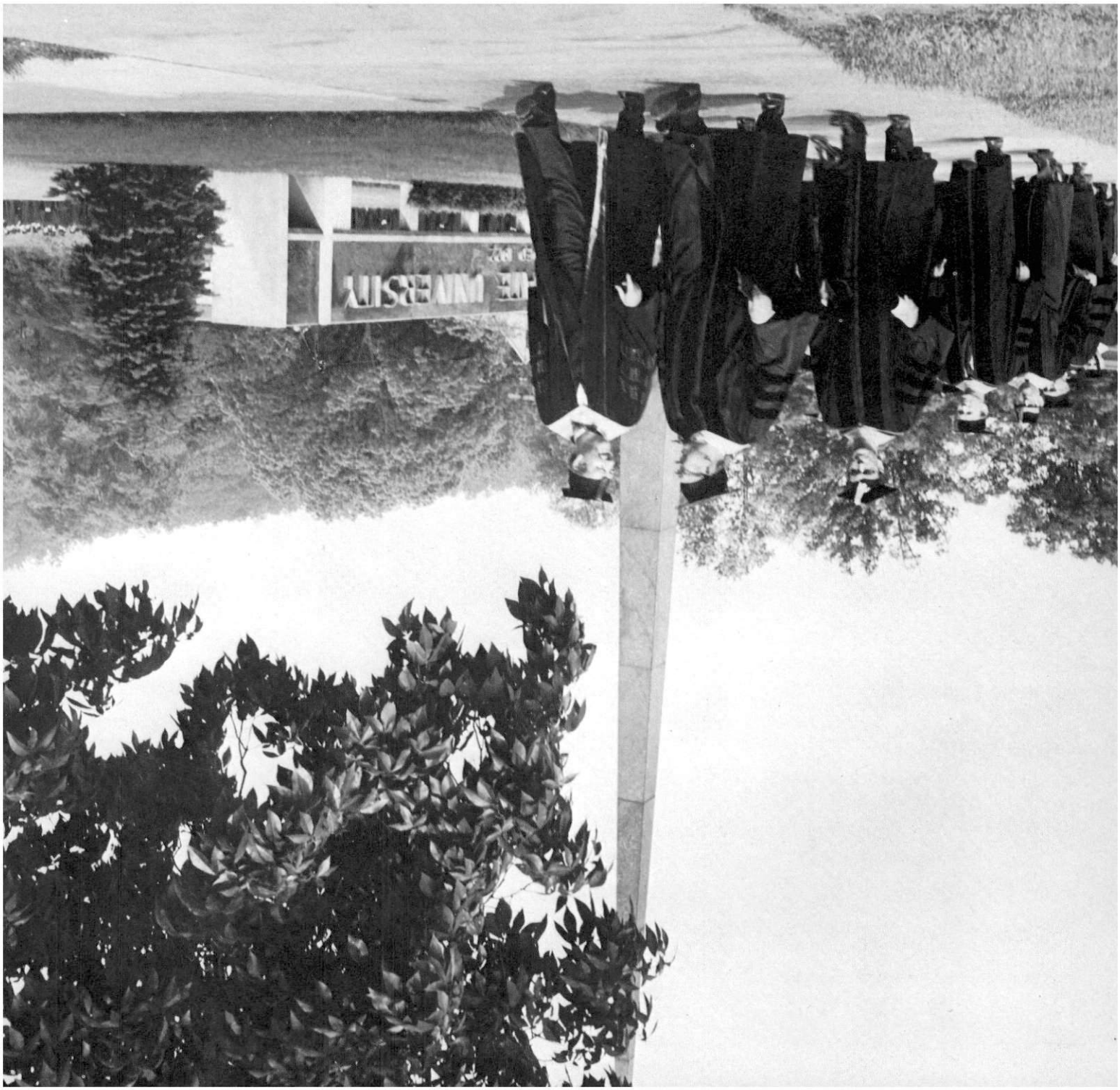
No refund of fees will be made after the first three weeks from the beginning of classes.

### Residency for Fee Assessment Purposes

The Council on Public Higher Education for the Commonwealth of Kentucky, in accordance with Section 164.020(3), of the Kentucky Revised Statutes, has adopted the policy by which residency for fee assessment purposes is defined and determined. The policy is applied to determine a student's eligibility for fees assessed Kentucky residents who enroll at any state-supported institution of higher learning in the Commonwealth of Kentucky. This determination is made at the initial time of enrollment.

Every student who is not a resident of Kentucky as defined by the policy enacted by The Council on Higher Education is required to pay non-resident registration and/or entrance fees.

Any student or prospective student in doubt concerning his residency status must bear the responsibility for securing a ruling by completing an Application for Student Residency Reclassification for Fee Assessment Purposes and returning it to the Non-Resident Fee Committee, c/o Director of Admissions, Morehead State University. The student, who due to subsequent events, becomes eligible for a change in residence classification, whether from out-of-state to in-state, or the reverse, has the responsibility of immediately informing the Office of Admissions of the circumstance in writing.



## Graduate Study

### Graduate Programs Available

Morehead State University offers the following graduate degrees:

Master of Arts in English, History, Psychology, Adult Education, Physical Education, Art and Sociology

Master of Science in Biology, Chemistry, and Mathematics

Master of Business Education

Master of Music

Master of Arts in Education with emphasis on elementary teaching, secondary teaching, guidance and counseling, library science, special education, and reading

Master of Higher Education

Master of Business Administration

Specialist in Education Degree (Ed.S. Degree)

In addition, several post baccalaureate programs are available:

A fifty-year program of 32 semester hours which qualifies Kentucky teachers for Rank II on the state's salary schedule and provides for renewal of the Provisional Certificate.

A sixth-year program designed to qualify public school personnel for Rank I on the Kentucky salary schedule

Post-master's programs for the certification of princi-

pals, guidance counselors, supervisors, and superintendents

A joint doctoral program with the University of Kentucky

### Objectives of Graduate Study

The graduate programs offered at Morehead are designed to meet the needs of three types of students—

1. those who look upon the attainment of the master's degree as their ultimate educational goal;
2. those working toward a non-degree objective beyond the baccalaureate level; and
3. those individuals who plan to pursue doctoral programs.

Specifically, the goals of graduate study are to:

- 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 to 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. Provide advanced training and experience in the field of the student's specialization;

- h. Broaden the student's general education;
- i. Develop an awareness, and stress the significance, of current knowledge and developments—the importance of becoming an informed person.

### Administration

The Dean of Graduate Programs serves as Chairman of the Graduate Council and is responsible for executing the policies and regulations governing graduate study as determined by the Graduate Council and approved by the faculty.

Inquiries concerning the Morehead graduate programs should be directed to him. The Graduate Office is located in the Administration Building.

### The Graduate Council

The Graduate Council consists of two members selected from the graduate committee of each school of the University, the Dean of Undergraduate Programs, and the Dean of Graduate Programs who serves as chairman. Two graduate students are also appointed to serve on the Council.

The Council is responsible for establishing policies and regulations pertaining to graduate study; for the approval of graduate programs, faculty, and courses; and for the overall supervision and co-ordination of the graduate programs of the University.

### Graduate Advisers

Shortly after the graduate student is admitted to a degree program, an adviser from the graduate faculty is appointed. It is the function of this adviser to counsel with the student in preparing and completing his program of graduate study. The student should consult with his adviser concerning any problems that may arise in connection with his work.

The adviser also serves as a member, often the chairman, of the student's graduate committee, which conducts the final examination for the degree.

### Admission to Graduate Study

Admission to graduate study is granted to students who meet the academic requirements and who hold a baccalaureate degree from Morehead State University or some other accredited institution of higher education, and to certain qualified Morehead seniors.

The general requirement for **unconditional** admission is an overall quality-point average of 2.5 (4.0 scale).

**Seniors at Morehead** who meet the academic requirements and who lack no more than six semester hours (three hours in summer) for completion of the requirements for the baccalaureate may apply for permission to enroll in graduate courses concurrently with the remaining undergraduate work. Application is made to the Dean of Graduate Programs on a form supplied by the Graduate Office. A senior taking graduate courses may not enroll for more than 14 hours (eight hours in summer) of course work. If admitted, such a student registers as a senior.

A student who has been admitted to a graduate program in another accredited graduate school may enroll at Morehead as a **transient student**. Instead of submitting a transcript of his previous college work, he may supply a letter from the dean of his graduate school stating that he is a graduate student in good standing and has permission to enroll for graduate work at Morehead State University. He must also file an application for graduate study at Morehead.

A student who meets the requirements for admission to graduate study, but who does not wish to work for a graduate degree, may enroll as an **unclassified** student. Such students are reminded that no more than eight semester hours of credit earned as an unclassified student may later be applied toward a master's degree,

and only then at the discretion of his adviser and the Dean of Graduate Programs.

**International students**, when qualified for admission, are required to take the English Language Institute Test of the University of Michigan or the Test of English as a Foreign Language (TOEFL) given by the Educational Testing Service. They will be officially admitted and issued a Form 1-20A only after the Graduate Office has been notified that they have passed the English Test successfully. The TOEFL examination is given regularly in most foreign countries. For further information regarding these tests, the applicant should contact the U. S. Consul in the country in which he resides.

**Graduates of non-accredited colleges** must meet the Morehead requirements for graduation before their applications for graduate study will be approved. If a student's undergraduate preparation is inadequate, this deficiency must be satisfied by taking designated courses that will not be counted as graduate credit.

### Admission to Candidacy

A student is eligible to apply for candidacy for a master's degree when the following requirements have been met:

The Graduate Record Examination scores on the Aptitude, Area, and Advanced tests have been received by the Dean of Graduate Programs. (Arrangements for these tests must be made with the Testing Bureau.)

From 8 to 15 semester hours of credit must have been completed with a minimum quality-point average of 3.0 (on a 4.0 scale).

**NOTE:** Every graduate student needs to check carefully the specific requirements for candidacy of the department in which he is seeking a degree.

### General Degree Requirements

A minimum of 30 semester hours without a thesis, or 24 semester hours with an acceptable thesis, is required for the completion of a master's degree program.

A minimum of 15 semester hours of credit must be earned **after** the requirements for admission to candidacy have been met and the application for candidacy has been filed.

No credit earned by correspondence may be applied on the minimum requirements for the master's degree.

A minimum of 20 semester hours of graduate work must be completed in residence. Not more than six hours of approved transferred work will be accepted toward the minimum requirements for the master's degree. As much as ten hours of work done in off-campus study centers may be accepted toward the minimum requirements for the master's degree.

Credit for full-time residence as a graduate student will not be granted for a semester or term during which the student is removing undergraduate deficiencies.

Of the 20 hours of residence credit required for the master's degree, a minimum of eight hours must be completed in one regular summer term, or a minimum of twelve hours in one regular semester. In the case of graduate assistants, this requirement for a regular semester is eight hours.

### Student Load

The **minimum full-time** graduate load for a semester is nine semester hours; for a summer term, it is five semester hours. The **maximum** load is 15 hours for a semester and eight hours for a summer term.

A graduate assistant may not exceed ten semester hours credit during a regular semester or five semester hours during a summer term.



During any regular semester, a graduate course load of up to four semester hours shall be considered as standard for a full-time teacher or other school official. With the approval of the appropriate University official, well-justified variations or exceptions to this guideline may be made for an individual student provided that no more than eight semester hours are completed within a two-semester period of an academic year.

### Course Requirements

Fifty per cent of the **total** course work (minimum of 15 semester hours) must be earned in courses open only to graduate students—courses numbered 500 and above.

Fifty percent of the total course work (minimum of fifteen hours) must be earned in one field of study.

A minimum average of "B" is required on all work offered for the degree and no credit is allowed for a mark below "C".

### Transfer Credit

A maximum of six semester hours of graduate credit earned at another institution may be accepted toward the master's degree provided—

1. the credit has been earned at an accredited graduate institution within five years of the date on which the master's degree requirements are completed;
2. the work is acceptable as credit toward a comparable degree at the institution from which transfer is sought;
3. the courses to be transferred are approved by the Dean of Graduate Programs and the head of the department in which the same or similar courses are offered at Morehead; and

4. the student has maintained a "B" average on **all** graduate work shown on the transcript.

In any event, only those courses with a mark of "B" or better will be accepted.

After admission to a graduate program at Morehead, students who wish to take courses elsewhere for transfer to Morehead should consult with the Dean of Graduate Programs before the courses are taken. A bulletin containing descriptions of the courses and information with regard to the level at which they are offered should be presented with the request for transfer.

### Thesis

For most master's degree programs at Morehead, a thesis is required and credit, not to exceed six semester hours, is allowed. The student who expects to do advanced graduate work will find the preparation of a thesis invaluable, and other capable students may find the experience to be of great worth.

Before beginning the thesis, the student should obtain a copy of the **Regulations for the Master's Thesis** from the Graduate Office. In these regulations are included certain procedures and requirements such as type of paper, due dates, formats, and announcements of the final examination.

### Language Requirements

The Master of Arts and the Master of Science degree programs ordinarily require a reading knowledge of a modern foreign language. Students should consult the specific requirements for the degree involved for a complete explanation of this requirement.

Arrangements for the language proficiency examination should be made with the student's adviser and/or the Dean of Graduate Programs.

**Graduation**

All credit offered for a master's degree must have been completed within five years immediately preceding granting of the degree.

The student must file an application for the master's degree with the registrar before his name will be placed on the list of graduates. This application should be made early in the term preceding the one in which he expects to receive the degree.

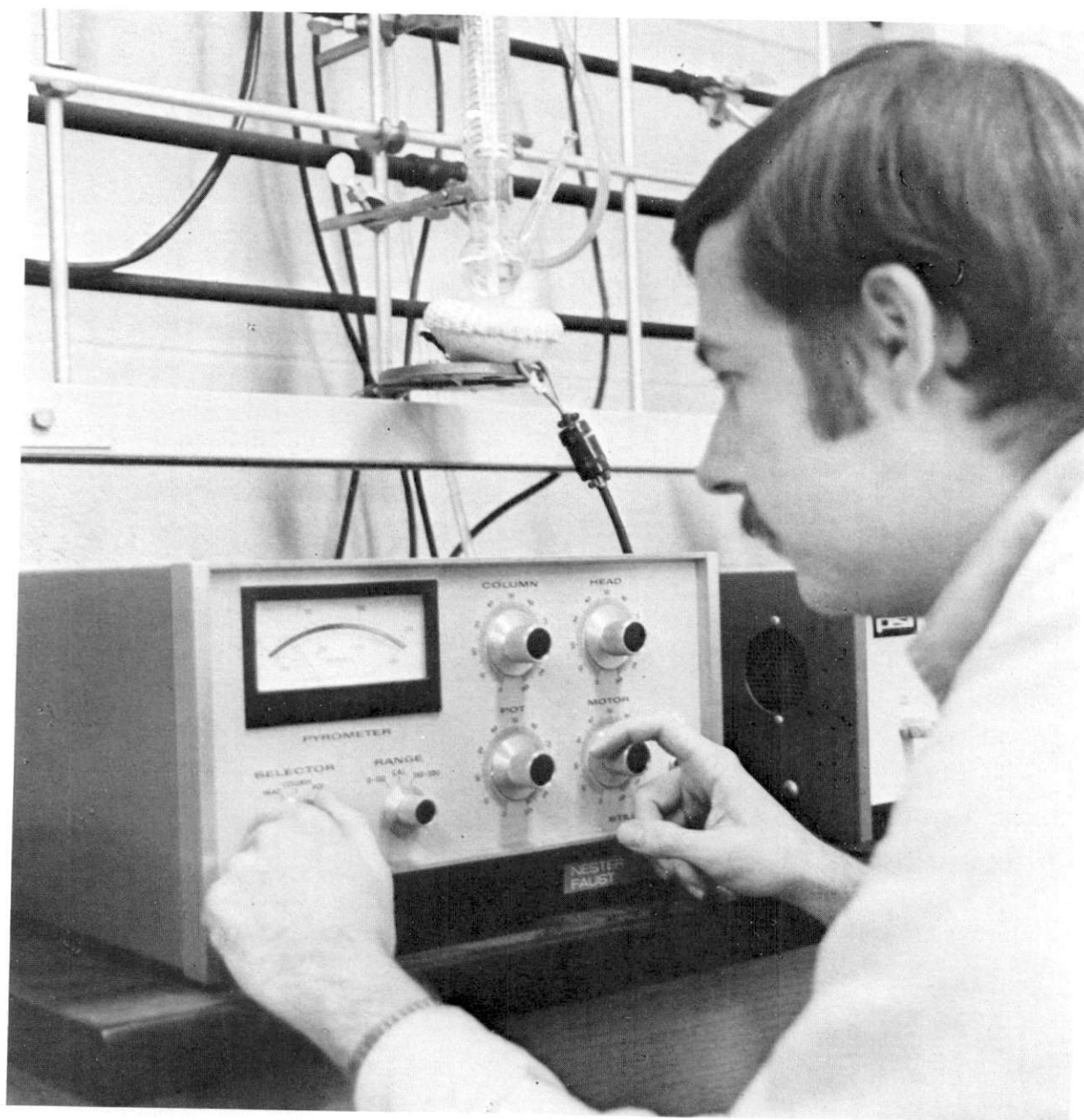
The student must pass a comprehensive examination—oral and/or written—in his field(s) of study during the final term of his program. This examination will include the student's defense of his thesis, if one is written.

**Graduate Assistantships**

A number of graduate assistantships are available each year for qualified graduate students who have been admitted to a degree program. A graduate assistant registers for up to ten hours of work each semester and devotes twenty hours a week to the duties of his assistantship. A stipend of \$2,200 is paid for the academic year and the recipient pays the regular Kentucky resident and incidental fees.

**Financial Aid**

Graduate students interested in obtaining financial aid, other than graduate assistantships, should write the Director of Student Financial Aid.





**SCHOOL OF**

**Applied Sciences and Technology**

**Charles Ward, Ed. D., Dean**

**AGRICULTURE  
HOME ECONOMICS  
INDUSTRIAL EDUCATION**

## AGRICULTURE

### **Agriculture 503. Agricultural Policy. (3-3-3); I.**

Prerequisite: Agriculture 203.

A history of agricultural policy and policy makers; defining the problems and their setting; government participation in supply of and demand for agricultural products.

### **Agriculture 512. Conservation Workshop. (2-2-3); on demand.**

Prerequisite: Consent of instructor.

Development of the conservation movement with broad treatment of the basic natural resources including land, water, air, minerals, forests, and wildlife. The development of conservation practices and recent development in state and federal agencies. The importance of natural resources and their need to agriculture and industry. Also teaching of conservation education.

### **Agriculture 515. Animal Nutrition. (4-0-4); II.**

Prerequisite: Agriculture 316.

Chemistry, metabolism, and physiological functions of nutrients; digestibility, nutritional balances, and measures of food energy.

### **Agriculture 580. Methods in Teaching Vocational Agriculture. (4-0-4); I, II.**

The principles of methods applied to teaching vocational agriculture to high school students. Course organization, farming programs and Future Farmers of America Activities.

### **Agriculture 582. Adult and Young Farmer Education. (3-0-3); I, II.**

The principles and techniques needed in organizing and program planning in post high school vocational agriculture and conducting young farmer and adult farmer classes.

### **Agriculture 584. Teaching Vocational Agriculture. (8-0-8); I, II.**

Supervised teaching in centers selected by the State Agricultural Education Staff and members of the teaching staff. Teacher experience with in-school and out-of-school groups.

### **Agriculture 585. Principles and Philosophy of Vocational Education. (3-0-3); I, II, III.**

Prerequisite: Senior or graduate standing.

Background, development, objectives, principles, philosophy, status, and trends of vocational education.

### **Agriculture 588. Curriculum Development and Content Selections. (3-0-3); I, II.**

Each student prepares the content for a four year program in vocational agriculture.

### **Agriculture 592. Supervision in Agriculture. (3-0-3); I, II.**

The principles and techniques needed in individual group supervision of vocational agricultural programs.

### **Agriculture 670. Research Problems.**

(One to three hours); I, II, III.

A self-directed independent study on a special problem. Students must present and have approved a problem as well as a justification for the study.

## HOME ECONOMICS

### **Home Economics 536. Advanced Nutrition. (3-0-3).**

Prerequisite: Home Economics 431 or equivalent.

Selected topics in nutrition; emphasis on classical and current literature; practical application of findings. Taught alternate years.

### **Home Economics 538. Experimental Foods. (1-4-3).**

Prerequisite: Home Economics 231. Chemistry 102.

Review and evaluation of published research; experimental methods applied to food research through individual and class investigation. Taught alternate years.

### **Home Economics 539. Child Growth and Nutrition. (3-0-3).**

Prerequisite: Home Economics 431 or equivalent.

Selection, application, and evaluation of nutritional data concerned with infancy and child growth. Taught alternate years.

### **Home Economics 540. Advanced Textile Testing. (1-4-3).**

Prerequisite: Home Economics 240.

Advanced study of textile fibers and fabrics with emphasis on trends in wear and end-use testing. Taught alternate years.

### **Home Economics 541. Tailoring. (0-4-2); I.**

Prerequisite: Home Economics 241 or consent of instructor.

Fitting and tailoring techniques in the construction of a tailored garment based upon individual problems. Required construction of a suit or coat.

### **Home Economics 542. Social-Psychological Aspects of Clothing and Textiles. (3-0-3).**

Prerequisite: Six hours in clothing and textiles.

Social, psychological, and economic factors in the selection and use of clothing. Taught alternate years.

### **Home Economics 543. Dyes and Finishes. (2-2-3).**

Prerequisite: Home Economics 340.

Types of dyes and finishes used currently on fibers and fabrics as they affect wear, care, and storage. Taught alternate years.

### **Home Economics 545. Clothing Design in Draping. (0-6-3).**

Prerequisite: Home Economics 241.

Original garments created by draping on the dress form. Dress form will be constructed in the course. Taught alternate years.

### **Home Economics 555. The Child and the Family. (3-0-3).**

Environmental factors favoring family life and family interaction; stages of family life and the changing role of members. Taught alternate years.

## INDUSTRIAL EDUCATION

### **Industrial Education 520. Industrial Arts for the Elementary Teacher. (2-2-3); III.**

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.

### **Industrial Education 541. Electricity-Electronics Workshop for Teachers. (2-2-3); III.**

Prerequisite: Must have at least one year teaching experience, must have taken Industrial Education 241 or have the permission of the instructor.

Designed for teachers at all levels to improve background in electricity-electronics. Laboratory experiments, demonstrations, demonstration equipment, projects, curriculum, and methods of teaching electrical concepts, teaching aids.

### **Industrial Education 560. Foundations of Industrial Education. (3-0-3); II.**

Prerequisite: Upper division standing in Industrial Education.

Study of the philosophical positions underlying the development of industrial education; leaders, their influence and contributions; contemporary educational theories affecting the current programs of industrial education.

### **Industrial Education 585. Principles and Philosophy of Vocational Education. (3-0-3); I, II, III.**

Prerequisite: Senior or graduate standing.

Background, development, objectives, principles, philosophy, status and trends of vocational education; interpretation of legislation affecting vocational education; and organization and administration of vocational education at all levels.

### **Industrial Education 588. Machine Shop II. (1-4-3); II.**

Prerequisite: Industrial Education 388.

Advanced tool and machining theory, use of carbides with emphasis on production machining. Turrent and progressive tooling design.

### **Industrial Education 640. Administration and Supervision of Industrial Education. (3-0-3); III.**

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.

### **Industrial Education 660. Trends and Issues in Industrial Education. (2-0-2); III.**

The identification and study of problems and issues in industrial education. A foundation for continued professional growth will be established through independent thinking and expression.

### **Industrial Education 670. Research Problems. (One to three hours); I.**

Prerequisite: Undergraduate area of concentration or major in Industrial Arts.

A self-directed independent study on a professional problem in industrial education. Students must present in writing and have approved a suggested problem as well as a justification for the study.

### **Industrial Education 671. Seminar. (1-0-1); III.**

(All graduate students in residence must enroll for this class.)

A study of current technological developments within industry and their concomitant impact upon society. Following a brief presentation by a student, faculty member, or guest speaker, the group will discuss the topic informally.

### **Industrial Education 675. Analysis of Research. (2-0-2); III.**

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. Taught alternate summer terms.

### **Industrial Education 676. Independent study. (One to three hours) I, II, III.**

Prerequisite: 12 hours of Industrial Education at the undergraduate level.

Provides the creative and resourceful graduate student with the opportunity to pursue a technical problem with a laboratory orientation. One or more advisors will be assigned in relation to the nature of the problem.

SCHOOL OF

**Business and Economics**

Thomas C. Morrison, Ph. D., Dean

**ACCOUNTING  
BUSINESS ADMINISTRATION  
BUSINESS EDUCATION  
ECONOMICS**



The School of Business and Economics offers a Master of Business Education Degree as well as a Master of Business Administration Degree. These programs are designed for persons who have completed undergraduate programs in Accounting, Business Administration or Business Education. Students who have earned a provisional secondary teacher's certificate may, through the different curricula leading to the MBE Degree, qualify for the standard teacher's certificate.

All departments of the School offer graduate courses that may be used in partial fulfillment of the requirements for the Master of Arts in Education or Master of Higher Education degrees.

### MASTER OF BUSINESS EDUCATION

#### Requirements for Admission to Graduate Study in Business Education:

1. General admission to graduate study at Morehead State University.
2. Completion of a major or minor in Business Education, Accounting, or Business Administration or consent of Business Education Committee.
3. A minimum standing of 3.0 in courses above the freshman level in the undergraduate major field. Students who meet all entrance requirements except the 3.0 standing in the major field may be admitted conditionally.

#### Requirements for Admission to Candidacy:

1. Satisfactory scores on the Graduate Record Examination.
2. Minimum standing of 3.0 on all graduate work completed at the time of application.

#### Requirements for the Degree:

1. Minimum of 15 hours after admission to candidacy.

	Sem. Hrs.
2. B.Ed. 600 and B.Ed. 601 .....	6
B.Ed. 640 or Ed. 600 .....	2-3
B.Ed. 699	
or	
B.Ed. 670 plus 3 additional hours of	
B.Ed. 600 level course work .....	6
Electives from School of Business	
and Economics .....	7-8
Electives from graduate courses with	
4 hours at the 500 level or above* .....	7-8
Total Minimum Hours .....	30
3. FINAL ORAL EXAMINATION. This examination may include defense of a thesis. Written examinations may be required at the discretion of the student's committee and the Dean of the Graduate Programs.	

\*These may be in education, business, or a related area. Students expecting to qualify for a Standard Certificate in Kentucky should take 8 hours in Education: Ed. 610, 630, 680, and 600 or B.Ed. 640.

### MASTER OF BUSINESS ADMINISTRATION

#### Requirements for Admission to Graduate Study in Business Administration:

1. Fulfillment of University requirements for Unconditional Admission to University Graduate programs;
2. Completion of the following basic core of preparatory courses at the undergraduate level, with a minimum grade average of 3.0:
 

Principles of Accounting .....	6 semester hours
Principles of Economics .....	6 semester hours
Statistics .....	3 semester hours
Corporate Finance .....	3 semester hours
Principles of Management .....	3 semester hours
Principles of Marketing .....	3 semester hours



### Conditional Admission to the MBA Program:

Students who do not meet all entrance requirements as stated above may be admitted to the program conditionally. Conditional admission is granted on the basis of evidence of potential for success at the graduate level. Such evidence may include strong grade performance in an undergraduate major, strong grade performance in the junior and senior years, convincing performance on the ATGSB, indication of maturity and assumption of responsibility (based on employment experience and accomplishment), and letter of sponsorship or recommendation.

Each request for conditional admission is reviewed on the basis of its own merits; the ultimate conclusion, is intended to reflect the applicant's potential for success in the program. A student admitted conditionally may be required to complete additional preparatory work.

### Requirements for Admission to Candidacy:

1. Fulfillment of any conditions that may have been stated at time of original admission to the graduate program, and completion of 8-15 hours of work at the graduate level.
2. A minimum average of 3.0 for all graduate courses at the time of application for candidacy.
3. Completion of the Admissions Test for Graduate Study in Business. (Normally, the ATGSB should be completed as part of the initial admission process.)

### Requirements for the Degree:

1. Course work:
  - (a) Courses in Accounting—usually  
AC 601 and 602 ..... 6 hours

- (b) Courses in Economics—usually  
EC 645 and 661 ..... 6 hours
- (c) Courses in Management—usually  
BA 601 and 610 ..... 6 hours
- (d) Courses in Computer Science—usually  
BA 615 ..... 3 hours
- (e) Electives chosen with the approval of  
Student's graduate adviser ..... 9 hours
- TOTAL FOR MBA DEGREE ... 30 hours

2. Completion of 15 hours of work with a minimum average of 3.0 after Admission to Candidacy.
3. Successful completion of a final, comprehensive MBA Written Examination. Where necessary, an oral examination may also be required in individual cases, at the discretion of the student's committee and with the approval of the Dean of the Graduate Programs.

### COURSE OFFERINGS

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

## ACCOUNTING

### **Accounting 502. Managerial Accounting. (3-0-3); I, II, III.**

Prerequisite: Accounting 282.

Analysis of cost data; manufacturing and cost analysis; budgets; managerial analysis; decision-making. (Note: May not be used to satisfy requirements for accounting major, minor, or option; primarily for non-accounting majors.)

### **Accounting 506. Theory of Accounts. (3-0-3); I.**

Prerequisite: Accounting 385.

Study of development of accounting theory; application of theory to income measurement, asset valuation, and equities; review of literature of the field, emphasis on current periodicals and pronouncements.

### **Accounting 570. Research Problems in Accounting. (One to three hours); I, II, III.**

Prerequisite: Graduate standing with minor (or equivalent) in accounting.

Provides an opportunity and challenge for self directed, independent study on accounting problems. Student must present a written statement, prior to registration, of an approved research problem.

### **Accounting 584. C.P.A. Problems. (3-0-3); II.**

Prerequisite: Senior standing in accounting (i.e., at least 20 hours in accounting or eligibility to sit for the CPA examination in state of residency.)

Application of generally accepted accounting principles to representative problems from CPA examinations. Covers four sections of exam (Practice, Theory, Auditing, and Business Law) with emphasis on the problem portions of the exams.

### **Accounting 587. Advanced Tax Accounting. (3-0-3); II.**

Prerequisite: Accounting 387.

Federal income tax report preparation with emphasis on partnership, and corporate returns; estate and trust taxation; gift tax; special problems in preparation of tax returns; tax research.

### **Accounting 590. Cost Accounting II. (3-0-3); II.**

Prerequisites: Accounting 390; Business Administration 252.

Cost analysis for planning, evaluation, and control. Standard costs; direct costing; budgets; cost and profit analysis; alternate choice decisions; linear programming; capital investment analysis.

## BUSINESS ADMINISTRATION

### **Business Administration 504. Production Management. (3-0-3); II.**

Prerequisite: Business Administration 301, Accounting 390 or 502.

(Note: Some or all of the prerequisites may be waived with the consent of the instructor.)

Managerial organization for production; plant design and layout; control of production; investment in production equipment and materials; working capital; labor costs; production operations including scheduling, routing, and control.

### **Business Administration 515. Data Processing Field Project. (3-0-3); II.**

Prerequisites: Business Administration 315 and 320.

Experience in an actual data processing situation outside the classroom; students assigned in university's data processing center or other approved computer facility.

### **Business Administration 552. Marketing Research and Analysis. (3-0-3); I.**

Prerequisite: Business Administration 304; Math 353.

Study of use of research to minimize error in decision analysis; individual studies made by students in all areas of marketing including advertising, packaging, and merchandising.

### **Business Administration 561. Business Law II. (3-0-3); I, II.**

Prerequisite: Business Administration 461.

An extension of the coverage of Business Administration 461 to the application of legal procedure in the affairs of the business organization. Coverage includes: commercial paper, bailments, sales, secured transactions, suretyship and guarantee, partnerships, corporations, bankruptcy, and government and business.

### **Business Administration 570. Research Problems in Business Administration. (3-0-3); I, II, III.**

Prerequisites: Graduate standing plus completion of the Business Administration Core Curriculum.

Self directed, independent study and research in Business Administration. The student must present a written statement of the proposed project, approved by the department, at the time that he registers for the course.

### **Business Administration 572. Business Policies and Problems. (3-0-3); II.**

Prerequisites: Business Administration 301, 304, or permission of instructor.

Specific problems that are involved in the formulation of consistent business policies and maintenance of an efficient organization are studied. Actual cases are used as a basis for discussions and preparation of reports which call for executive decision making.

## BUSINESS EDUCATION

### **Business Education 516. Educational Data Processing. (3-0-3); II.**

Prerequisite: Senior or Graduate standing.

Basic concepts pertaining to unit record equipment and computers. Applications in education, research and administration. Designed primarily for students without previous data processing instruction.

### **Business Education 585. Principles and Philosophy of Vocational Education. (3-0-3); I, II, III.**

Prerequisite: Senior or graduate standing.

Background, development, objectives, principles, philosophy, status, and trends of vocational education; interpretation of legislation affecting vocational education; and organization and administration of vocational education at all levels.

### **Business Education 590. Economic Education for Business Teachers. (2-0-2); III.**

Prerequisite: Senior or graduate standing.

Fundamental economic concepts and their application and integration in business education.

### **Business Education 591. Machine Shorthand Workshop. (2-0-2); III.**

Prerequisite: Senior or graduate standing and competency in manual shorthand.

Theory, keyboard, methodology, and basic techniques necessary for teaching machine shorthand.

### **Business Education 600. Foundations of Business Education. (3-0-3); I.**

Basic and historical factors, professional aspects, issues, trends, and principles of business education.

### **Business Education 601. Problems in Business Education. (3-0-3); II.**

Curriculum trends, federal legislation, pertinent research, and teaching aids.

### **Business Education 603. Business Curriculum. (3-0-3); II.**

Principles, concepts, and procedures of evaluating and constructing business curriculum at all levels. Includes pertinent research.

### **Business Education 621. Improvement of Instruction in Typewriting. (2-0-2); III.**

Learning theory, pertinent research, teaching aids, methodology, and testing and evaluating instruction in typewriting.

### **Business Education 622. Improvement of Instruction in Shorthand. (2-0-2); III.**

Learning theory, pertinent research, methodology, teaching aids, and testing and evaluating instruction in shorthand.

### **Business Education 623. Improvement of Instruction in Bookkeeping and Accounting. (2-0-2); III.**

Learning theory, pertinent research, methodology, teaching aids, and testing and evaluating instruction in bookkeeping and accounting.

### **Business Education 631. Testing and Evaluation in Business Education. (3-0-3); II.**

Development, selection and interpretation of tests. Includes statistical techniques.

### **Business Education 640. Introduction to Research in Business Education. (3-0-3); I.**

Research design and applications in business education. Significant research reviewed.

### **Business Education 670. Research Problems. (0-0-1 to 3); I, II, III.**

Prerequisite: Business Education 640 or equivalent.

Research in business education. Designed for candidates selecting the non-thesis option of the Master in Business Education degree.

### **Business Education 676. Independent Research. (0-0-1 to 3); I, II, III.**

Research initiated by the student. Problem and justification must be in writing.

### **Business Education 699. Thesis. (0-0-1 to 6); I, II, III.** Independent research and thesis writing.

## ECONOMICS

**Economics 500. Introduction to Mathematical Economics.**  
**(3-0-3); II.**

Prerequisites: Mathematics 175 and Mathematics 353.

Application of mathematical and statistical techniques to the theory of the firm, market and national income models.

**Economics 540. World Manufacturing. (3-0-3).**

(See Geography 540.)

**Economics 555. Economic Development and Growth. (3-0-3); I.**

Prerequisites: Economics 201 and 202.

Classical and modern theories of growth and development and their application in both advanced and underdeveloped nations.

**Economics 570. Research Problems in Economics.**  
**(3-0-3); I, II, III.**

Prerequisite: Graduate standing plus a minor in economics or equivalent.

Provides an opportunity and challenge for self-directed study on economic problems. A written statement of the proposed study must be approved by the instructor prior to registration.

**Economics 661. Managerial Economics. (3-0-3); I.**

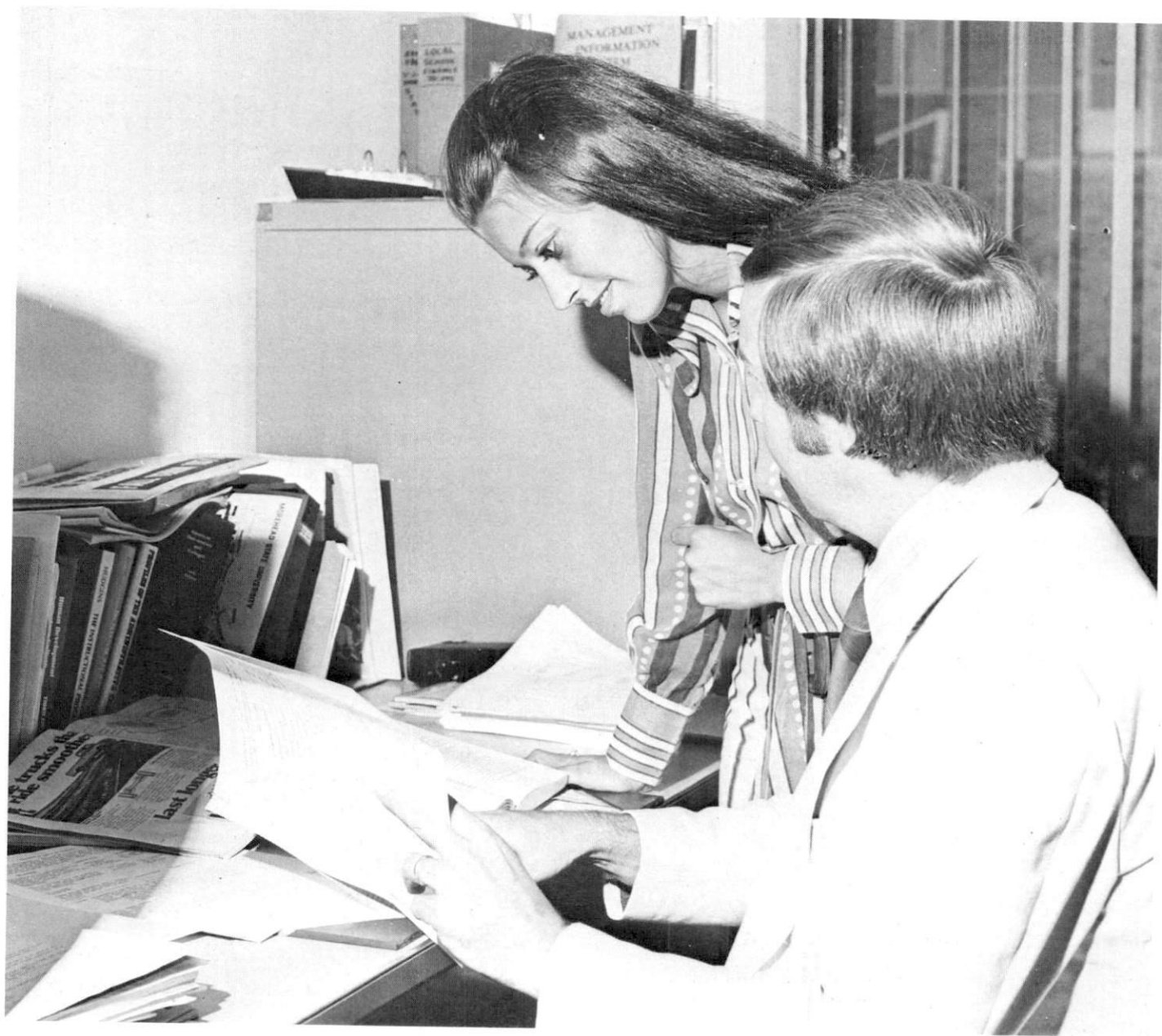
Prerequisites: Economics 201 and 202.

Application of economic theory to management decisions; demand analysis; cost determination; pricing; capital budgeting.

SCHOOL OF  
**Education**

James H. Powell, Ed. D., Dean

PROFESSIONAL EDUCATION  
HEALTH, PHYSICAL EDUCATION, AND RECREATION  
LIBRARY SCIENCE  
PSYCHOLOGY





## GRADUATE PROGRAMS OFFERED

I. Non-Degree Program: **Fifth Year**—for elementary and secondary teachers, librarians and special education teachers.

II. Master's Degree Programs:

### Master of Arts

1. Major in general and experimental psychology
2. Major in clinical-school psychology

### Master of Arts in Education

1. For elementary teachers—General professional core with courses outside education selected to meet the needs of the student.
2. For secondary teachers—General professional core with areas of concentration in appropriate teaching fields.
3. For elementary or secondary teachers—Specialized Programs available in:
  - (a) reading
  - (b) library science
  - (c) special education
  - (d) guidance counseling
  - (e) school business administrator\*

\*Teacher's certificate not required for this program.

### Master of Arts in Adult and Continuing Education

Professional courses in Adult Education plus a specialization planned to meet the needs of the student.

### Master of Arts in Health, Physical Education and Recreation

A general core of courses covering all areas of Health, Physical Education and Recreation plus curricular selections planned to meet the needs of the student.

### Master of Higher Education

Professional courses in Higher Education plus specialization in:

- (a) teaching (concentration in appropriate field)
- (b) counseling
- (c) general administration
- (d) student personnel administration

III. Post-Master's Programs:

#### **Certification for Administration & Supervision** (45 hours including Master's Degree)

- (a) elementary principal
- (b) secondary principal
- (c) director of pupil personnel
- (d) school supervisor

#### **Rank I** (60 hours including Master's Degree)

- (a) elementary teacher
- (b) secondary teacher
- (c) guidance counselor
- (d) school supervisor
- (e) elementary principal
- (f) secondary principal
- (g) school superintendent (certification)

IV. Specialist in Education (Ed.S.) Degree

- (a) administration and supervision
- (b) higher education
- (c) curriculum and instruction\*

\*Program in the process of development

V. Joint Doctoral Program with the University of Kentucky

## Regulations Governing Graduate Work in the School of Education

### THE FIFTH YEAR NON-DEGREE PROGRAM

**(Departments: Elementary and Early Childhood Education and Secondary Education)**

Morehead State University offers a fifth-year, non-degree program which qualifies Kentucky teachers for Rank II on the salary schedule and which may also be used to renew the Provisional Teaching Certificate or in some cases, obtain initial certification in special education or librarianship.

Required for Admission to the Program:

1. A baccalaureate degree from an accredited college or university.
2. A Kentucky Provisional Teaching Certificate or the equivalent certificate from another state.

The program must be completed within ten years. (In exceptional cases the Graduate Committee will, upon the recommendation of the student's advisor, consider a request for extension of time.)

Grades of "C" or better are required in all work submitted for the program.

In accordance with the regulations of the Kentucky State Board of Education, additional specific, requirements for this program are:

1. The program must be planned with the student's advisor.
2. A minimum of 32 semester hours must be completed.
3. A minimum of 18 semester hours must be earned in residence at Morehead.
4. A minimum of 12 semester hours must be earned in courses carrying graduate credit.

5. A minimum of 12 hours must be earned in courses in professional education.
6. A minimum of 12 semester hours must be earned in courses outside professional education.

### MASTER'S DEGREE PROGRAMS

Requirements for Admission: General admission to graduate study (see page 32). The separate programs may have additional requirements that must be met.

#### Prerequisites for Admission to Candidacy:

In all cases, the student must file application for candidacy and be approved to complete the program by the Graduate Committee, School of Education. Applications will be considered when the following conditions have been met:

1. The appropriate Graduate Record Examination tests have been completed.
2. The applicant has completed 8-15 semester hours of the program.
3. The application for candidacy has been filed with the Graduate Office in the School of Education.

For the specific criteria for admission to candidacy in a particular master's degree program, the section in the catalog dealing with that program should be consulted.

Applicants who are denied admission to candidacy may file a written appeal containing the rationale for exception to the standards with the Graduate Committee, School of Education.

At least 15 hours of the program must be completed after admission to candidacy.

#### Requirements for the Degree:

1. A minimum of 30 semester hours of graduate work or a minimum of 24 semester hours and an accept-

able thesis. (In some programs the thesis is required and in some cases more than 30 hours are required.)

2. At least 15 hours of work must be done in courses open only to graduate students (courses numbered 600 or above at Morehead.)
3. Not more than six semester hours of work transferred from another institution and not more than ten semester hours of transferred and/or Morehead extension work may be applied toward the master's degree, i.e., at least 20 of the 30 hours must be done for residence credit. (See regulations concerning the acceptance of transferred credit, page 000.)
4. To meet full-time residence requirements a minimum of eight (8) graduate hours of the residence credit must be completed in one regular summer term, or a minimum of 12 graduate hours in one regular semester, or an accumulated total of 15 or more graduate hours earned while enrolled as a full-time student. In the case of graduate assistants, this requirement for a regular semester is eight (8) hours.
5. A minimum grade point average of 3.0 (A = 4.0) is required for all work taken in the program and no credit is allowed for a mark below "C". **All graduate courses attempted are counted in computing the grade point average.**
6. A minimum of 15 semester hours must be earned in one field of study.
7. The Graduate Record Examination is required of all students pursuing master's degree programs in the School of Education. It is a prerequisite to the application for candidacy and if not taken prior to entrance it should be taken during the first term of enrollment.
8. The application for the degree must be filed with the registrar's office. To insure proper attention to the candidate's records and to prevent possible error and delay in his graduation, this application

should be filed early in the term preceding the one in which the student expects to complete his work.

9. A comprehensive examination—oral and/or written—is required of all candidates for the master's degree. If a thesis is written, this examination will include the student's defense of his thesis.

## MASTER OF ARTS IN EDUCATION

The Master of Arts in Education is a professional degree. If a student holds, or is eligible to hold, a provisional elementary or secondary teacher's certificate, he may, through the different curricula leading to this degree, qualify for the corresponding standard teacher's certificate or the provisional certificate for the guidance counselor, school librarian, or special education teacher in Kentucky.

Students completing a program for the Master of Arts in Education and meeting certificate requirements in Kentucky are fully accepted for a similar certificate in many other states. A student who expects to meet certification requirements in another state should contact the certification authority in that state to determine if there are specific requirements which should be included in his program of study for the degree.

### Requirements for Admission to the Program:

1. General admission to graduate study. (See page 32).
2. A minimum of nine semester hours of undergraduate credit in professional education. Requirements for the Provisional Teacher's Certificate must be completed before the degree is granted when these requirements were not met in the undergraduate program.

### Requirements for Candidacy in the Program:

1. The student must have the written recommendation of his advisor and concurrence of the depart-

ment head that he is a suitable candidate for admission to candidacy in his program.

2. The student must have completed 8 to 15 hours of graduate work including Ed. 600 and either Ed. 610, 634 or 680. (In secondary teachers curriculum, Ed. 600 and either Ed. 610, 634, or 683; in guidance program Ed. 600 and one course in guidance).
3. The student must have earned a minimum grade point of 3.0 on the 8 to 15 hours of graduate work.
4. The student must have satisfactory performance on Graduate Record Examination (**Aptitude and Advanced in Education Tests**).

A minimum of 15 hours must be completed after requirements for candidacy have been met and application for candidacy has been filed.

### Comprehensive Examination:

The National Teachers Examination is required to all candidates for the Master of Arts in Education Degree. The Common Examinations and the appropriate teaching field test or test in guidance counseling must be taken.

Because of the dates set for the examination and the delay in reporting test scores, candidates expecting to complete their programs in the fall term must take the examination in the summer (usually in July); those expecting to complete their programs in the spring term must take the winter examination (usually in January); and those expecting to complete their programs in the summer must take the spring examination (usually in April). In any case, the NTE must be taken after eligibility for candidacy has been attained. Early in his program, the student should consult with his advisor and/or the Graduate Office, School of Education to determine the proper time to take the NTE and the appropriate guidance counseling or teaching field test to be taken. Additional written and/or oral examinations may be required as a part of the comprehensive examinations.

### The Curricula:

#### ELEMENTARY TEACHERS (Department: Elementary and Early Childhood Education)

	Sem. Hrs.
Ed. 600 Research Methods in Education . . . . .	2
Ed. 610 Advanced Human Growth and Development . . . . .	3
Ed. 630 Curriculum Construction . . . . .	2
Ed. 680 History & Philosophy of Education . . . . .	3
Ed. 626 Investigations in Reading . . . . .	2
Ed. 699 Thesis (6 hrs).	
or	
Approved Electives in Education* . . . . .	6
Specialized area outside professional education . . . . .	12
Minimum Total . . . . .	30

\*The "approved electives in education" may be taken in another field with the approval of the Coordinator of Graduate Studies in the School of Education.

#### SECONDARY TEACHERS (Department: Secondary Education)

	Sem. Hrs.
Ed. 600 Research Methods in Education . . . . .	2
Ed. 683 The American Secondary School . . . . .	3
Ed. 634 Secondary School Curriculum . . . . .	3
Ed. 610 Advanced Human Growth and Development . . . . .	3
Ed. 681 Seminar—Methods for Secondary Teachers . . . . .	1
Ed. 699 Thesis . . . . .	
or	
Approved Electives* . . . . .	6
From specialized area of preparation (other than professional education) . . . .	12
	30

\*The "approved electives in education" may be taken in another field with the approval of the Coordinator of Graduate Studies in the School of Education.

# ELEMENTARY OR SECONDARY TEACHERS With Emphasis in Reading

(Department: Elementary and Early  
Childhood Education)

		Sem. Hrs.
Ed. 600	Research Methods in Education . . . . .	2
Ed. 630	Curriculum Construction . . . . .	2
Ed. 680	History & Philosophy of Education . . . . .	3
Ed. 562	Remedial Reading . . . . .	3
Ed. 626	Investigations in Reading . . . . .	2
Ed. 624	Practicum in Reading . . . . .	4
Ed. 627	Reading in the Elementary School or	
*Ed. 677	Reading in the Content Areas . . . . .	3
Psychology,	Selected from the following . . . . .	6
Psy. 589	Psychology of Learning . . . . .	(3)
Psy. 590	Abnormal Psychology . . . . .	(3)
Psy. 634	Learning Theory . . . . .	(3)
Psy. 609	Advanced Educational Psych. . . . .	(3)
Psy. 610	Advanced Human Growth and Development . . . . .	(3)
English,	Selected from the following . . . . .	6
*Eng. 500	The Teaching of English . . . . .	(3)
Eng. 505	Linguistics: Grammar . . . . .	(3)
Eng. 595	Linguistics: Composition . . . . .	(3)
Eng. 680	English Syntax . . . . .	(3)
Eng. 693	Phonology . . . . .	(3)
	Minimum Total . . . . .	31

\*Required for Secondary Teachers.

Note: Three years of teaching experience is prerequisite to certification as a reading specialist.

# SCHOOL LIBRARIANS

(Department: Library Science and  
Instructional Media)

		Sem. Hrs.
Ed. 600	Research Methods in Education . . . . .	2
Ed. 610	Advanced Human Growth and Development . . . . .	3
Ed. 630	Curriculum Construction . . . . .	2
Ed. 680	History and Philosophy of Education . . . . .	3
*L.S. 511	Cataloging and Classification . . . . .	3
L.S. 521	Books and Materials for Young People . . . . .	3
L.S. 523	Reference and Bibliography . . . . .	3
L.S. 575	School Library Practice . . . . .	3-4
L.S. 627	Research in Childrens Literature . . . . .	3
	Electives (Must include two hours at 600 level) . . . . .	4-5
	Minimum Total . . . . .	30

\*If credit in Childrens Literature (L.S. 227) and Library Organization and Administration (L.S. 301) has not been earned at the undergraduate level they must be taken as a part of this curriculum. These courses do not carry graduate credit.

If any listed library science course has been taken for undergraduate credit, L.S. 522, 521, 670 or course(s) approved by the Director of Library Science Program may be taken.

## MASTER OF ARTS

### (Department: Psychology and Special Education)

Students majoring in Psychology for the Master of Arts degree may emphasize either General-Experimental Psychology or Clinical-School Psychology. An identical core of twelve semester hours of course work is required in each of the programs. The remaining eighteen hours are devoted to the student's major field of interest.

The General-Experimental program leads to the master's degree, which will enable the holder to begin employment or continue his studies. The master's degree in Clinical-School Psychology should be considered as a step toward the Sixth Year Certificate and state licensure to practice as a psycho-therapist, psycho-diagnostician, community or school psychologist.

### Requirements for Admission to Graduate Study in Psychology:

1. Admission to graduate study.
2. Completion of:
  - (a) 18 semester hours of psychology including  
Experimental Psychology .....3 hrs.  
Systems and Theories .....3 hrs.
  - (b) 3 semester hours of statistics.
3. A minimum average of 3.0 on all undergraduate psychology courses above the freshman level.

### Requirements (and Procedure) for Admission to Candidacy in Psychology:

Students should apply to the Chairman of the Department of Psychology and Special Education to take the comprehensive, qualifying examinations for candidacy. Comprehensive examinations will be given in the student's major area of interest and three elected areas to be chosen by the student from the following:

1. Learning and Motivation
2. Physiological Psychology

3. Research Design and Statistics
4. Sensation and Perception
5. Personality and Psychopathology
6. Human Development
7. Psychological Testing and Diagnosis
8. Psychotherapy
9. History, Philosophy and Systems

These examinations will be given two weeks following the mid-semester grade due date of each of the three regular semesters. Applications for candidacy examinations must be submitted to the department chairman prior to the mid-semester grade due date of the semester in which the student applies for candidacy.

Students will be endorsed for candidacy after having achieved or completed the following five requirements:

1. A satisfactory grade on each of the four candidacy, qualifying examinations.
2. A 3.0 or higher grade point average with a minimum of eight hours of graduate credit.
3. A combined minimum of 800 on the quantitative and verbal scores and satisfactory completion of the psychology area test of the Graduate Record Examination.
4. Recommendation of Psychology faculty.
5. Removal of all admission conditions. This is applicable only to students who were admitted on a provisional or conditional basis.

The student's advisor and committee will determine at the time he is admitted to candidacy those courses, thesis and internship requirements that must be taken to complete the master's program. A minimum of fifteen semester hours of graduate credit must be earned after admission to candidacy.

### General Requirements for the Degree:

1. Core requirements. All students must complete at least one course in each of the following areas:
  - (a) Clinical: Psychology 556, 558, 590, 633.



- (b) Developmental: Psychology 610.  
 (c) Experimental: Psychology 521, 582, 583, 584, 586, 621.  
 (d) Statistics: Mathematics 553.
2. Successful completion of a written and/or oral examination in general psychology and topics included in the major emphasis of his graduate studies.

### Special Requirements for the Degree:

1. General-Experimental Requirements: Completion and defense of an approved thesis—maximum credit allowance of six hours. Completion of a minimum of eighteen semester hours of approved course work in psychology and related fields. Minimum of thirty semester hours for the degree.
2. Clinical-School Psychology Requirements—Fifth Year: Completion of six to twelve hours of Internship. Completion of a minimum of eighteen semester hours of approved course work in psychology and related fields. Minimum of thirty semester hours for the degree.
3. Clinical-School Psychology Requirements—Sixth Year Certificate: Completion of six to twelve hours of Internship. Completion of a minimum of an additional twenty-one hours of approved course work in psychology and related fields. Minimum of sixty semester hours for the certificate.

## SPECIAL EDUCATION

### (Department: Psychology and Special Education)

Prerequisites: To be eligible to apply for this program a student must have earned credit in each of the following areas:

1. Either Exceptional Children or Psychology of Exceptional Children.

2. Either Educational Psychology or Psychology of Learning.
3. Either Statistics or Tests and Measurements.

The Curriculum:			Sem. Hrs.
Ed.	600	Research Methods in Education . . . . .	2
Ed.	610	Advanced Human Growth and Development . . . . .	3
Ed.	630	Curriculum Construction . . . . .	2
Ed.	680	History and Philosophy of Education . .	3

Selected from the following: . . . . . 10

- |       |     |   |
|-------|-----|---|
| *Ed.  | 550 | Nature and Needs of Retarded Children         |
| Ed.   | 537 | Diagnostic and Remedial Techniques            |
| Ed.   | 552 | Special Problems in Learning Disorders        |
| Ed.   | 565 | Auditory and Visual Problems                  |
| *†Ed. | 655 | Teaching the Exceptional Child                |
| Ed.   | 668 | Organization of Special Classes in the School |
| *†Ed. | 675 | Practicum in Special Education                |

- Psychology — Selected from the following: . . . . . 6
- |      |     |                                   |
|------|-----|-----------------------------------|
| Psy. | 590 | Abnormal Psychology               |
| Psy. | 609 | Educational Psychology            |
| Psy. | 612 | Aspiration and Ability Evaluation |
| Psy. | 633 | Personality Theory                |
| Psy. | 634 | Learning Theory                   |

Approved Electives—

Outside Professional Education . . . . .	6
Minimum Total . . . . .	32

\*Required for the program and Kentucky certification.

† The student may qualify for teaching in more than one area of special education by taking additional sections of Ed. 655 and Ed. 675.



## COUNSELOR EDUCATION

### (Department: Counseling and Educational Foundations)

The Guidance and Counseling programs are designed to provide the candidate with learning and supervised training opportunities in individual and group guidance counseling in the following areas:

1. Guidance counselors for elementary schools.
2. Guidance counselors for secondary schools.
- \*3. Counselors to work with adolescents and adults in non-school settings.
- \*4. Guidance counselors to work in a junior or community college.
5. Standard certification for guidance counselors (See Postmaster's Programs).

\*NOTE: Persons doing guidance and counseling outside of schools—as pastors, social workers and others—are expected to apply for the Master of Arts in Adult and Continuing Education Degree program with a specialty in counseling. Persons interested in counseling students in junior and community colleges should consider the Master of Higher Education Degree program with a specialized area in guidance counseling. These two programs do not qualify the candidate for certification as a guidance counselor in the public schools.

Elementary or secondary teachers who complete the corresponding guidance counseling program will qualify for provisional certification as guidance counselor in Kentucky and in most other states. Students expecting certification in another state should check requirements of that state so that particular requirements may be included in their program.

Certification as a secondary school guidance counselor is required of counselors in Kentucky's vocational schools. Students planning to work in vocational schools should take appropriate graduate electives in the School of Applied Sciences and Technology.

**Prerequisites:** General admission to graduate study and a teacher's certificate based on a four-year undergraduate program at the level for which the applicant seeks certification as a guidance counselor.

### Additional Requirements for Admission to Candidacy:

(For other requirements, see page 33).

1. Evidence of one year of full-time classroom teaching.
2. Satisfactory results from a personal interview with an interviewing committee composed of University faculty and administrators.

### The Curriculum for Guidance Counselors:

		Sem. Hrs.
Ed.	600	Research Methods in Education . . . . 2
Ed.	610	Advanced Human Growth and Dev. . . 3
Ed.	656	Principles of Guidance . . . . . 2
*Ed.	664	(A, B, C) Information Service and Career Development . . . . . 3
Ed.	665	Organization and Administration of Guidance Services . . . . . 2
*Ed.	666	(A, B, C) Techniques of Counseling . . 3
*Ed.	667	(A, B, C,) Group Procedures . . . . . 3
*Ed.	669	(A, B, C,) Practicum in Counseling . . 3

### Supportive Areas:

†Psy.	558	Psychological Testing or
†Psy.	612	Aspiration and Ability Evaluation or
Ed.	662	Individual Inventory Techniques . . . . 3

Elective Courses:	8
Minimum Total	32

\*Sections A-Elementary, B-Secondary, and C-Community agencies.

†Prerequisite: Mathematics 353 Statistics.

## SCHOOL BUSINESS ADMINISTRATOR

(Department: Administration, Supervision  
and Higher Education)

This program is designed to prepare personnel to serve in the capacity of Finance Officer or School Business Administrator, to direct the financial affairs of a school district under the jurisdiction of the local superintendent and school board. It should appeal particularly to teachers with a major or minor in business administration.

### For the Provisional Certificate:

1. Provisional Certification may be attained by a student admitted to the program upon completion of eighteen (18) hours in approved courses from the curriculum for the Standard Certificate.
2. The Provisional Certificate may be renewed once with the completion of at least eight additional hours of work leading to the Standard Certificate.

### For the Standard Certificate:

Admission to and satisfactory completion of the program.

### The Program:

In addition to meeting the requirements for the master's degree, the following curriculum must be included in the student's undergraduate and graduate work.

From Education	15-18 hrs.
Ed. 628 School Law	2
Ed. 686 The School Plant	2
Ed. 684 School Finance	2
Ed. 680 History & Philosophy	3
Ed./Bus. 516 Educational Data Processing	

Elect two of the following three:

- \*Ed. 645 Princ. of Educational Adm. . . . . 3
- \*Ed. 678 Internship in School Adm. . . . . 1-3
- \*Ed. 692 Administration of School Personnel . 3

\*Approved electives in School Organization and Administration may be substituted.

Course must be approved prior to registration.

From the School of

- Business and Economics . . . Undergrad. 12 hrs.†
- †Acct. 281 & 282
- Principles of Accounting I & II . . . . . 6
- †Bus. Ed. 363
- Office Management . . . . . 3
- Acct. 428
- Consolidation and Fund Accounting . . . . . 3
- Bus. Ad. 510
- Personnel Management . . . . . 3
- Ec. 541
- Public Finance . . . . . 3

One of the following:

- Bus. Ad. 461
- Business Law I . . . . . (Undergrad.) 3
- Bus. Ad. 561
- Business Law II . . . . . (Grad) 3

†These courses must be completed for undergraduate credit if the student has not taken them prior to admission to the program.

## MASTER OF ARTS IN ADULT AND CONTINUING EDUCATION

(Department: Adult and Continuing Education)

The Adult and Continuing Education graduate program is designed to develop the capacity of individuals to plan, organize, and carry through a variety of educational and service programs to meet the broad spectrum of adult needs in today's dynamic society. The program is flexible in that a course of study is designed with each student. This will develop the special com-

petencies and understanding needed in accordance with the professional role that the student plans to assume in working with adults.

#### Requirements for Admission:

1. General admission to graduate study.
2. Two years of relevant professional experience is advisable.

#### Requirements for Admission to Candidacy:

1. A written recommendation by the student's advisor and concurrence of the department head.
2. Completion of 8 to 15 hours of graduate work including Ed. 600, and approved course in Adult and Continuing Education, and one course from the student's area of specialization.
3. The student must have earned a minimum grade point average of 3.0 on the 8 to 15 hours of graduate work.
4. The student must have satisfactory performance on the Graduate Record Examination (**Aptitude** and appropriate **Advanced** tests).

A minimum of 15 hours must be completed after requirements have been met and application for candidacy has been filed.

#### The Curriculum:

Sem. Hrs.

Ed. 600	Research Methods in Education	..... 2
Adult and Continuing Education selected from the following: .....		12
Ed. 554	Principles of Adult and Continuing Education	
Ed. 650	Basic Education for the Disadvantaged Adult	
Ed. 651	Human Development in Adulthood	

Ed. 652	The Community School	
Ed. 653	Planning and Evaluating the Adult Program	
Ed. 654	Special Problems in Adult Education	
Ed. 678	Internship	
Ed. 688	Seminar in Adult Education	
Ed. 699	Thesis	

Area of Specialization .....	9
*Electives (to be selected by student and graduate committee) .....	7
	<hr/> 30

\*The student may pursue a thesis, ED. 699, (3-6 sem. hr.) in lieu of an equal number of elective hours.

### THE MASTER OF HIGHER EDUCATION

(Department: Administration, Supervision and Higher Education)

The Master of Higher Education degree program is specifically designed to provide advanced study and preparation for:

1. Academic teaching careers in higher education.
2. Specialization in General Administration in higher education.
3. Specialization in Student Personnel Administration.
4. Specialization in Counseling in higher education.

#### Requirements for Admission to the Program:

1. General admission to graduate study.
2. Students preparing to teach, or those pursuing an advanced degree, in a particular discipline other than professional education, must have an undergraduate major or minor in that discipline; and have

at least a 3.0 average in courses in the major or minor completed after the freshman year.

3. Students planning to pursue an area of specialization other than a specified discipline or teaching field, must have an academic and/or professional record that indicates interest and potential in that area.
4. Students applying for the program in Counseling, General Administration, or Administration of Student Personnel will be interviewed by an interviewing committee composed of administrators and/or faculty members.

#### Requirements for Admission to Candidacy in the Program:

1. Written recommendation of the student's advisor and concurrence of the department head.
2. Completion of 8 to 15 hours of the program, including Ed. 600, an approved higher education course, and one course from the teaching field or area of specialization.
3. Must have earned a minimum grade point average of 3.0 or better on the 8 to 15 hours.
4. Must have satisfactory performance on the Graduate Record Examination (**Aptitude** and appropriate **Advanced** tests).

A minimum of 15 hours must be completed after requirements have been met and application for candidacy has been filed.

#### The Curriculum:

Sem. Hrs.

- |         |                                |         |
|---------|--------------------------------|---------|
| Ed. 600 | Research Methods in Education  | ..... 2 |
|         | Higher Education—selected from |         |
|         | the following: .....           | 7-10    |
| Ed. 635 | Curriculum Construction in     |         |
|         | the Two-Year College           |         |
| Ed. 640 | The Two-Year College in        |         |
|         | Higher Education               |         |

- |         |                                |  |
|---------|--------------------------------|--|
| Ed. 641 | Academic Problems in           |  |
|         | Higher Education               |  |
| Ed. 642 | Student Personnel Work in      |  |
|         | Higher Education               |  |
| Ed. 643 | Seminar in Higher Education    |  |
| Ed. 644 | Independent Study in           |  |
|         | Higher Education               |  |
| Ed. 678 | Internship in Higher Education |  |

\*Teaching Field or Area of Specialization ..... 15-18  
At least nine hours of this work must be done  
in courses restricted to graduate students.)

Thesis, or Courses Approved by the Advisor ..... 3-6  
Minimum Total ..... 30

\*It is especially important that the student clearly determine the discipline or area of specialization he wishes to pursue, and carefully plan his program with his advisor.

### THE MASTER OF ARTS IN HEALTH, PHYSICAL EDUCATION AND RECREATION

(Department: Health, Physical Education and Recreation)

The curricula leading to the degree of Master of Arts in Health, Physical Education and Recreation are designed to meet the needs of students who wish to further their training in these areas. The required core of courses is planned to insure a broad background of knowledge and skills. Flexibility in curriculum planning is provided to permit a degree of specialization for a particular role as instructor, supervisor or administrator in a health, physical education or recreation program in the school or community.

#### I. Requirements for Admission

1. General admission to graduate study.
2. A major, minor, or a minimum of 18 approved hours in Health, Physical Education and Recreation.

## II. Requirements for Admission to Candidacy

1. Written recommendation of the student's advisor and concurrence of the department head.
2. Completion of 8-15 hours approved graduate course work including Ed. 600 and two of the following: P.E. 601, P.E. 604, H. 601, H. 612, R. 630, R. 635.
3. The student must have earned a minimum grade point average of 3.0 on the 8 to 15 hours of graduate work.
4. The student must have satisfactory performance on the Graduate Record Examination (**Aptitude** and appropriate **Advanced** tests).

A minimum of 15 hours must be completed **after** requirements have been met and application for candidacy has been filed.

## III. Requirements for the Degree

1. A minimum of 30 semester hours of approved graduate course work, including the following: Ed. 600, P.E. 601, P.E. 604, H. 601 or H. 612, R. 630 or R. 635. A maximum of six semester hours may be allowed for an acceptable thesis.
2. A minimum of 18 semester hours in courses in Health, Physical Education and Recreation.
3. A minimum of ten (10) semester hours in Health, Physical Education and Recreation must be in courses restricted to graduate students. A minimum of 15 semester hours of the total course work must be in courses restricted to graduate students.
4. A minimum quality point standing of 3.0 on all graduate course work offered for the degree.
5. Satisfactory completion of an oral examination, which will include defense of the thesis, when a thesis is written.

NOTE: Completion of this program will serve to renew or extend the Kentucky provisional certificate for elementary or secondary teachers on a continuing basis. Students holding the Provisional Secondary

Certificate who wish to obtain the Standard Secondary Teachers Certificate must complete as a part of, and/or in addition to, this program: Ed. 600, Ed. 610, Ed. 630, and Ed. 680. Elementary teachers must complete Ed. 600, Ed. 626, or Ed. 627 and two of the following: Ed. 610, Ed. 630, Ed. 680 to qualify for the Standard Elementary Certificate.

## POST-MASTER'S PROGRAMS

In keeping with state certification requirements, Morehead State University offers programs of study beyond the master's degree for teachers, supervisors, guidance counselors, principals, and superintendents, which may qualify them for additional certification and/or for Rank I on the Kentucky salary schedule.

Programs consisting of a minimum of 45 semester hours of graduate work, including the master's degree, are available for (Kentucky) certification of elementary principals, secondary principals, school supervisors and directors of pupil personnel.

The Rank I programs are planned for 60 hours, including the master's degree. If the student has not previously met the Kentucky requirements for a standard teacher's certificate he must do so for the Rank I programs for elementary or secondary teachers, and for those in administration and supervision.

### Requirements for Admission to the 45-hour Programs and Rank I Programs:

1. Must hold a master's degree from an accredited college or university.
2. Must hold a valid teaching certificate.

In addition to the above requirements, the following apply to applicants for guidance counseling, or administrative and supervisory programs:

- (a) Applicants who hold valid and active certificates in guidance counseling, administration or supervision may be admitted to programs in the areas in which they are certified.
- (b) Applicants may qualify for programs in guidance counseling, administration or supervision by having earned a standing of 3.3 on all graduate work or a score of 800 or better on the **Aptitude** section of the Graduate Record Examination.
- (c) Applicants who meet the above criteria will be in-

terviewed by the Graduate Interview Committee, who make the final decision regarding admission to the program.

Students who are not recommended for the interview may file a written appeal containing a rationale for exception to the standards with the Graduate Committee, School of Education.

### General Requirements for the Rank I Programs:

1. The program must be planned with the student's advisor.
2. A minimum of 60 graduate hours including the master's degree.
3. A grade point average of "B" or better in all work offered for the program. No credit is accepted on grades lower than "C".
4. A minimum of 15 semester hours in courses open only to graduate students.
5. A minimum of 15 semester hours (of the last 30) in residence credit at Morehead State University.

If the student desires that the University certify to the State Department of Education and/or his local superintendent that he has completed a Rank I program, request for this should be filed with the Graduate Office, School of Education, during the term in which he expects to complete the program. Applications for Kentucky certificates must be filed, on official forms, with the Registrar's office.

### CERTIFICATION PROGRAM FOR ELEMENTARY SCHOOL PRINCIPALS (45 graduate hours, including the Master's Degree)

(Department: Administration, Supervision,  
and Higher Education)

Each of the following courses must be included in either the master's or post-master's work. (Additional courses may be necessary in instances where the pre-



requisites to these courses have not been completed.) Qualifying for the Standard Elementary Teacher's Certificate and three years of successful teaching experience are prerequisite to the issuance of the elementary principal's certificate.

Curriculum:		Sem. Hrs.
Ed. 632	Elementary Curriculum .....	2
Ed. 656	Principles of Guidance .....	2
*Ed. 660	Supervision .....	3
*Ed. 672	Seminar: Problems of the Principal ...	1
*Ed. 695	The Elementary School Principal ....	2
Ed. 580	Measurement Principals and Techniques .....	3
Ed.	Approved Elective .....	2
Minimum Total .....		15

\*These courses are open only to students approved for the program.

### **CERTIFICATION PROGRAM FOR SECONDARY SCHOOL PRINCIPALS**

(45 graduate hours,  
including the Master's Degree)

(Department: Administration, Supervision,  
and Higher Education)

Each of the following courses must be included in either the master's degree or post-master's work. (Additional courses may be necessary where the prerequisites to these courses have not been completed.) Qualifying for the Standard Elementary Teacher's Certificate and three years of successful teaching experience are prerequisite to the issuance of the secondary principal's certificate.

Curriculum		Sem. Hrs.
Ed. 634	Secondary Curriculum .....	2
Ed. 656	Principles of Guidance .....	2
*Ed. 660	Supervision .....	3

*Ed. 672	Seminar: Problems of the Principal ...	1
*Ed. 696	The Secondary School Principal .....	2
Ed. 580	Measurement Principles and Techniques .....	3
Ed.	Approved Elective .....	2
Minimum Total .....		15

\*These courses are open only to students approved for the program.

### **PROGRAM FOR EXTENDING SECONDARY PRINCIPAL'S CERTIFICATE TO ELEMENTARY PRINCIPALSHIP**

A person holding a secondary principal's certificate (in Kentucky) may, with institutional approval, qualify for the elementary principalship by satisfactorily completing the following 15-hour curriculum:

		Sem. Hrs.
Ed. 632	Elementary Curriculum .....	2
Ed. 695	Elementary Principalship .....	2
Ed. 627	Reading in the Elementary School ...	3
Ed. 678	Internship (in the Elementary School) .	2
Electives — Approved by the student's advisor, considering previous academic record and experience .....		6
		15

### **CERTIFICATION PROGRAM FOR DIRECTORS OF PUPIL PERSONNEL**

(45 graduate hours,  
including the Master's Degree)

(Department: Administration, Supervision,  
and Higher Education)

**Prerequisites for Professional Certification  
of Directors of Pupil Personnel:**

1. Completion of the requirements for either the



Standard Elementary Certificate or the Standard High School Certificate.

2. Admission to, and satisfactory completion of, the prescribed program of the institution, consisting of a minimum of 45 graduate hours, including the master's degree.
3. Three years successful teaching experience.

### Curriculum:

In addition to meeting the requirements for the master's degree, the minimum of 45 graduate hours must include:

#### Sem. Hrs.

1. From the following	7 to 10 hrs.†
*Ed. 600 Research Methods in Educ.	2
*Ed. 656 Principles of Guidance	2
Ed. 645 Principles of Educ. Admin.	3
Ed. 692 Admin. of School Personnel	3
or	
Bus. Ad.	
510 Personnel Management	3
*Ed. 628 School Law	2
Ed. 691 The School and the Public	2
Ed. 665 Organ. and Admin. of Guid. Services	2
Hlth. 601 School Health Services	2

2. From the following 12 to 15 hrs.†

#### Sem. Hrs.

Ed. 580 Meas. Princ. and Techniques	3
Ed. 662 Individual Inventory Techniques	3
or	
Ed. 666 Techniques of Counseling	3
or	
Ed. 537 Diag. and Remed. Techniques	3
Ed. 610* Advanced Human Growth and Development	3
Ed. 609 Advanced Educ. Psychology	3

Ed. 500 Nature and Needs of Retarded Children	3
or	
Psy. 590 Abnormal Psychology	3
Soc. 600 Educational Sociology	3
Soc. 525 The Community	3
or	
P.S. 546 Public Personnel Admin.	3
or	
P.S. 548 Public Admin.	3
*B.Ed 677 Public Personnel, Accounting and Records Management	3

\*Course is required in the program.

†Included in the minimum of 45 hours of graduate work.

### CERTIFICATION PROGRAM FOR SCHOOL SUPERVISORS (45 graduate hours, including the Master's Degree)

(Department: Administration, Supervision, and Higher Education)

Each of the following courses must be included in either the master's or post-master's work. (Additional courses may be necessary in instances where the prerequisites to these courses have not been completed.) Qualifying for either the Standard Elementary Teachers Certificate or the Standard Secondary Teacher's Certificate and three years of successful teaching experience are prerequisite to the issuance of the certificate for school supervisors.

### Curriculum:

#### Sem. Hrs.

Ed. 632 Elementary Curriculum	2
Ed. 634 Secondary Curriculum	2
*Ed. 660 Supervision	3

*Ed.	672	Seminar: Problems of the Principal . .	1
Ed.	691	The School and the Public . . . . .	2
Ed.	580	Measurement Principles and Techniques . . . . .	3
		(An approved course in the advanced study of reading) . . . . .	2-3
		One course from the following: Ed. 550, 537, 552, or 655 . . . . .	2-3
		Minimum Total . . . . .	<u>15</u>

\*These courses are open only to students approved for the program.

(The program must be planned with the student's advisor on checksheets available for the program.)

**RANK I PROGRAM FOR  
ELEMENTARY TEACHERS  
(60 graduate hours, including the  
Master's Degree)**

**(Department: Elementary and Early  
Childhood Education)**

The minimum of 60 graduate hours, including the master's degree, must conform to the following area distribution:

	Sem. Hrs.
I. Studies dealing with research . . . . .	6-8
II. Studies dealing with the nature and psychology of the learner . . . . .	8-12
III. Studies dealing with the programs of the schools . . . . .	9-16
IV. Outside professional education (from student's areas of preparation, or supporting courses) . . . . .	24
V. Electives . . . . .	0-13
Minimum Total . . . . .	<u>60</u>

(The program must be planned with the student's advisor on checksheets available for the program.)

**RANK I PROGRAM FOR SECONDARY TEACHERS  
(60 graduate hours, including the  
Master's Degree)**

**(Department: Secondary Education)**

The minimum of 60 graduate hours, including the master's degree, must conform to the following area distribution:

	Sem. Hrs.
I. Studies dealing with research . . . . .	6-9
II. Studies dealing with the nature and psychology of the learner . . . . .	8-11
III. Studies dealing with the programs of the school . . . . .	9-16
IV. Outside professional education (from student's majors or minors or supporting courses from other disciplines) . . . . .	30
V. Electives . . . . .	0-7
Minimum Total . . . . .	<u>60</u>

(The program must be planned with the student's advisor on checksheets available for the program.)

**RANK I PROGRAM FOR  
GUIDANCE COUNSELORS  
(60 graduate hours, including the  
Master's Degree)**

**(Department: Counseling and  
Educational Foundations)**

The minimum of 60 graduate hours, including the master's degree, must conform to the following area distribution:

	Sem. Hrs.
I. Studies dealing with administration and supervision . . . . .	2-5
II. Studies dealing with research . . . . .	5-7
III. Studies dealing with nature and psychology of the learner . . . . .	12-15

IV. Area of professional specialization . . . . .	24-30
V. Specialized non-professional (other than professional education) . . . . .	0-7
Minimum Total . . . . .	<u>60</u>

(The program must be planned with the student's advisor on checksheets available for the program.)

**RANK I PROGRAM FOR  
SCHOOL SUPERVISORS  
(60 graduate hours, including the  
Master's Degree)**

**(Department: Administration, Supervision  
and Higher Education)**

A minimum of 60 semester hours including the master's degree and the requirements for the School Supervisor's Certificate, must be completed for this program. The student's work must be planned with his advisor in accordance with the checksheet for the program, to conform to the following distribution of courses in the master's and post-master's programs:

Sem. Hrs.

I. Studies dealing with administration and supervision . . . . .	7-10
II. Studies dealing with research . . . . .	5-8
III. Studies dealing with nature and psychology of the learner . . . . .	8-11
IV. Studies dealing with programs of the school . . . . .	11-14
V. Specialized non-professional (other than professional education) areas . . . . .	18
VI. Approved electives in education or other areas . . . . .	0-11
Minimum Total . . . . .	<u>60</u>

**RANK I PROGRAM FOR  
ELEMENTARY PRINCIPALS  
(60 graduate hours, including the  
Master's Degree)**

A minimum of 60 semester hours including the master's degree and the requirements for the Elementary Principal's Certificate, must be completed for this program. The student's work must be planned with his advisor in accordance with the checksheet for the program, to conform to the following distribution of courses in the master's and post-master's programs:

Sem. Hrs.

I. Studies dealing with administration and supervision . . . . .	8-10
II. Studies dealing with research . . . . .	5-8
III. Studies dealing with nature and psychology of the learner . . . . .	7-10
IV. Studies dealing with programs of the school . . . . .	11-14
V. Specialized non-professional (other than professional education) areas . . . . .	18
VI. Approved electives in education or other areas . . . . .	0-11
Minimum Total . . . . .	<u>60</u>

**RANK I PROGRAM FOR  
SECONDARY PRINCIPALS  
(60 graduate hours, including the  
Master's Degree)**

**(Department: Administration, Supervision  
and Higher Education)**

A minimum of 60 semester hours including the master's degree and the requirements for the Secondary Principal's Certificate, must be completed for this

program. The student's work must be planned with his advisor in accordance with the checksheet for the program, to conform to the following distribution of courses in the master's and post-master's programs:

Sem. Hrs.

I. Studies dealing with administration and supervision .....	8-10
II. Studies dealing with research .....	5-10
III. Studies dealing with nature and psychology of the learner .....	7-10
IV. Studies dealing with programs of the school .....	11-14
V. Specialized non-professional (other than professional education) areas .....	18
Minimum Total .....	<u>60</u>

IV. Studies dealing with programs of the school .....	7-12
V. Specialized and supportive non-professional (other than education) areas .....	18
VI. Electives in professional education or other areas .....	0-12
Minimum Total .....	<u>60</u>

**CERTIFICATION AND RANK I PROGRAM  
FOR THE SCHOOL SUPERINTENDENT  
(60 graduate hours, including the  
Master's Degree)**

**(Department: Administration, Supervision  
and Higher Education)**

A minimum of 60 semester hours including the master's degree and the requirements for either the elementary or secondary principal's certificate, (see above) must be completed for this program. The student's work must be planned in accordance with the checksheet for the program, to conform to the following distribution of courses in the master's and post-master's programs:

Sem. Hrs.

I. Studies dealing with administration or supervision .....	12-15
II. Studies dealing with research .....	6-10
III. Studies dealing with nature and psychology of the learner .....	5-7

## **THE SPECIALIST IN EDUCATION (Ed.S.) DEGREE**

The Specialist in Education Degree Program offers students, who have demonstrated superior scholastic ability and special interest and aptitude in certain areas, the opportunity to gain a high level of competency in a chosen specialized field for service as instructors, supervisors or administrators. In some cases the program may serve to advance the candidate toward the doctorate. It should also be noted that the Education Specialist Program may qualify school personnel for Kentucky's highest salary for teachers; however, it is not intended as an alternative to the "Rank I" programs.

Programs of study for the Specialist in Education Degree are offered in:

1. Administration and Supervision\*
2. Higher Education\*
3. Curriculum and Instruction

### **Requirements for Admission to the Specialist Degree Program**

1. A Master's Degree from an accredited college or university.
2. One year of successful teaching experience.
3. Acceptance by the Graduate Committee of the School of Education, and by the Dean of Graduate Programs. Criteria for admission are based upon:
  - a. Records of scholastic ability in undergraduate and graduate programs.
  - b. Performance on standardized tests.
  - c. Interviews administered by the School of Education.
  - d. Applicant's background in field of specialization.
  - e. Recommendations from selected references.

## **JOINT DOCTORAL PROGRAM WITH THE UNIVERSITY OF KENTUCKY**

Morehead State University and the University of Kentucky have an agreement whereby students desiring to pursue a doctor's degree (Ed.D.) at the University of Kentucky may, upon being admitted jointly by these institutions, complete up to one year of their course work at Morehead State University.

Application for the joint program must be filed with the Graduate Dean of Morehead State University. A joint screening committee, composed of members from both institutions, will decide upon the applicant's eligibility.

In order to be admitted to the program, the applicant must meet the requirements for admission to the doctoral program of the School of Education at the University of Kentucky. To support his application, he must submit a transcript of his scores on the Graduate Record Examination (Aptitude and Advanced in Education tests), the National Teachers Examination, and the Miller Analogies Test.

After admission to the program, the student will be assigned to a doctoral committee composed of faculty members from both institutions. He will be permitted to do approximately one year of his work on campus at Morehead. In any case, a minimum of one academic year in residence at the University of Kentucky will be required.

One planning to pursue a doctoral program should, at an early stage in his graduate work, familiarize himself with the general nature and requirements for advanced graduate degrees, and secure additional information about the joint Morehead-University of Kentucky program from the Graduate Dean or the School of Education at Morehead.

\*Currently offered — Other program in preparation.

## COURSE OFFERINGS

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hours allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

## PROFESSIONAL EDUCATION

**Education 516. Educational Data Processing. (3-0-3); II.**  
(Same as Business Education 516).

**Education 527. The Pre-School Child. (3-1-3); I, II.**  
(Alternate summers with 528.)

Prerequisite: Junior standing.

The principles of growth and development from the prenatal period to age six. Focuses attention on learning experiences for nursery and kindergarten age children.

**Education 528. Activities and Materials in Early Childhood Education. (3-1-3); II, III. (Alternate summers with 527).**

Prerequisite: Junior standing.

Investigates the needs and interests of early childhood and provides opportunities to explore objectives, materials, and techniques of instruction for this age group.

**Education 529. Practicum in Early Childhood Education. (1-4-4); I, II, III.**

Prerequisites: Education 527, Education 528, Junior standing, and admission to the Teacher Education Program.

Students are assigned to a pre-school classroom for observation, participation and teaching. On-campus seminars are held weekly.

**Education 537. Diagnostic and Remedial Techniques. (2-2-3); I, II, III.**

Diagnostic testing; the causes of retardation; specific disabilities in school; behavior problems; cumulative record keeping; case studies; remedial techniques.

**Education 547. Utilization of Educational Television. (3-0-3); I, II, III.**

Prerequisite: Upper division standing.

The use of television in the classroom. The history and background of ETV; how a telecourse is developed; personnel needed; examples of telelessons and their use by outstanding

teachers; the importance of the course guide; effective motivational and follow-up techniques with the help of other media with particular emphasis on the role of the classroom teacher; and role playing using videotapes of current ETV broadcasts comprise the major emphasis in the course.

**Education 550. Nature and Needs of Retarded Children. (3-0-3); I, II, III.**

Prerequisite: Education 330.

The physical, psychological, and educational needs of educable and trainable mentally retarded children; research pertaining to the nature and needs of the mentally retarded; ways of developing maximum abilities.

**Education 552. Special Problems in Learning Disorders. (0-4-2); I, III.**

Prerequisites: Education 350 and 355.

An examination of psychological, medical, and educational literature with survey, clinical, and experimental work concerning a specific learning disorder. Diagnosis, therapy, and prognosis relative to a specific learning impairment or a cluster of related elements.

**Education 554. Principles of Adult and Continuing Education (3-0-3); I, II.**

Overview of Adult Education; historical development; psychological and sociological basis of adult learning; trends and major issues in adult education; and the principles of teaching adults.

**Education 555. Teaching the Mentally Retarded. (2-2-3); I, II, III.**

Prerequisite: Education 330.

A consideration of curriculum sequence as specialized methods of instruction, applicable to handicapped learners in classes for educable mentally retarded. The construction, use, and adaptation of materials by teachers who are working with retarded children.

**Education 556. Teaching the Mentally Retarded. (2-2-3); I, II, III.**

Prerequisite: Education 330.

Application of methods and materials for teaching the trainable mentally retarded. The construction and use of instructional aids to be used with the retarded individual.

**Education 562. Remedial Reading. (2-2-3); II, III (Alternate summers with Education 677.)**

Prerequisite: Education 336 or 337.

Materials, methods of diagnosing and treating reading difficulties.



**Education 565. Auditory and Visual Problems. (2-2-3); II.**

Prerequisite: Education 330.

Techniques for measuring hearing threshold with emphasis on the educational implication of impaired hearing; group screening; individual pure-tone testing; and speech audiometry.

**Education 580. Measurement Principles and Techniques.**

(3-0-3); I, II, III.

Identification of educational objectives associated with test construction; table of specifications; elementary statistics; testing and nontesting procedures. Investigations of major types of tests; administration, scoring and interpretation of test results.

**Education 581. Introduction to Educational Statistics.**

(3-0-3); I, III.

A study of the applications of statistical and graphical methods to educational and psychological data. Includes areas of descriptive and inferential statistics that apply to educational research.

**Education 582. Audiovisual Aids in Instruction.**

(3-0-3); I, II, III.

Prerequisite: Upper division standing.

Overview of the instructional media in use in up-to-date schools. Lectures, demonstrations and practical applications of the widely available audiovisual equipment, materials and methods are used. Each student is required to demonstrate competence in the operation of the major types of audiovisual equipment.

**Education 583. Producing Audiovisual Materials. (2-0-2); II.**

Prerequisite: Education 582 or equivalent.

Production of various types of audio-visual learning materials with emphasis upon the design and production of overhead transparencies, photographic copying, extreme closeup photography, "Super-8-mm" filming as applicable to school programs.

**Education 590. Supervision of Student Teaching.**

(3-0-one to four hours); I, II, III.

Prerequisite: Teacher's certificate.

Basic principles and procedures in the techniques of supervision of student teachers. The course is designed to prepare teachers to become supervising teachers who provide the professional laboratory experiences during student teaching. Preparation for the orientation of student teachers, planning for and supervision of teaching and evaluation are included.

**Education 599. Workshop. (One to three hours); I, II, III.**

Prerequisite: Under division or graduate classification.

A workshop for specifically designated task orientation in Education. May be repeated in additional subject areas. A maximum of six semester hours may be earned under this course number.

**Education 600. Research Methods in Education.**

(2-0-2); I, II, III.

Selection, delineation, and statement of a research problem, techniques of bibliography building, methods of organization, recognized methods of investigation, application of statistical methods to research problems and style-standards for research writing.

**Education 609. Advanced Educational Psychology.**

(3-0-3); II, III.

Prerequisite: Psychology 153 or 154.

An advanced and applied study of the principles of learning, mental health, and development in relation to evaluative, remedial and educational process.

**Education 610. Advanced Human Growth and Development.**

(3-0-3); I, II, III.

Prerequisite: Psychology 154 or 155 and Education 210.

The developmental processes in childhood and adolescence. Application of principles of development, research findings, and theory to human behavior.

**Education 620. Research Problems in Elementary Education.**

(One to three hours); I, II, III.

Prerequisite: Education 600.

An independent study of a problem in the field of elementary education. The problem to be studied must be approved in advance by the instructor. Conferences with the instructor are by arrangement.

**Education 624. Practicum in Reading. (3-5-4); II, III.**

Prerequisite: Education 562.

Supervised practice in working with students who have reading difficulty.

**Education 626. Investigations in Reading. (2-0-2); I, II, III.**

Prerequisite: Education 336 or 337, or the equivalent.

A study of current literature and research in the study of reading.



**Education 627. Reading in the Elementary School.**  
(3-0-3); I, III.

Prerequisite: Education 336 or 337, or the equivalent.

Extensive study of recent trends in materials and methods in teaching reading in the elementary school.

**Education 628. School Law. (2-0-2); I, III.**

Responsibilities and liabilities of school boards and officials; Kentucky Code, legal provisions affecting school funds, school personnel, attendance, discipline, textbooks and curriculum.

**Education 630. Curriculum Construction. (2-0-2); I, II, III.**

A study of basic principles of curriculum development in the local school system.

**Education 632. Elementary School Curriculum. (2-0-2); II, III.**

Implications of the wider goals of elementary education; the relation of each area of learning to the total program research studies, and promising classroom experiences.

**Education 634. Secondary School Curriculum. (3-0-3); I, II, III.**

A course designed to acquaint the teacher, supervisor, and administrator with the nature, development, and organization of the secondary school curriculum.

**Education 635. Curriculum Construction in the Two-Year College. (2-0-2); II, III.**

Theoretical and practical basis for curriculum construction and evaluation of curriculum aims and practices of comprehensive two-year colleges; relationship to secondary schools and four-year colleges.

**Education 640. The Two-Year College in Higher Education.**  
(2-0-2); I, III.

Unique role, philosophy and functions of two-year colleges in American education; patterns of organization and administration for academic, business, student personnel, public relations and development activities.

**Education 641. Academic Problems in Higher Education.**  
(2-0-2); II, III.

Selection, assignment, guidance, evaluation, payment, promotion and retirement of academic personnel, organization and development of curricular policies and instructional resources.

**Education 642. Student Personnel in Higher Education.**  
(2-0-2); I, II.

Principles of organization and administration of personnel programs and services in higher education.

**Education 643. Seminar in Higher Education. (2-0-2); II, III.**

Group study on issues of the two-year college in higher education.

**Education 644. Independent Study in Higher Education.**  
(One to three hours); I, II, III.

Individual study and research on issues of the two-year college.

**Education 645. Principles of Education Administration.**  
(3-0-3); II, III.

Historical development of professional school administration; basic principles and changing concepts; organization and control of the American school system; functions of the administrators.

**Education 650. Basic Education for the Disadvantaged Adults.**  
(3-0-3); I, II.

The sociological, psychological and economical problems of the disadvantaged; investigation of traditional and innovative approaches utilized in working with the disadvantaged adult.

**Education 651. Human Development in Adulthood. (3-0-3); II.**  
Prerequisite 554.

The psychological and physiological changes in adulthood; designed to provide opportunities to apply knowledge of human development to the problems of working with adults.

**Education 652. The Community School. (3-0-3); III.**  
Prerequisite: 554.

The philosophy and operation of a school to serve the needs of all people in the community. The community-wide use of school facilities and total community involvement in the educative process.

**Education 653. Planning and Evaluating the Adult Program.**  
(3-0-3); II.

Prerequisite: 554.

A study of program development with special emphasis on designing and improving programs through the evaluation process.

**Education 654. Special Problems in Adult Education.**  
(One to three hours); I, II, III.

Directed individual study of problem areas in teaching and administering adult programs.

**Education 655. Teaching the Exceptional Child. (Two hours for each sub-section of the course); I, II, III.**

Prerequisite: Education 550.

- A—Educable Mentally Retarded.
- B—Trainable Mentally Retarded.
- C—Gifted.
- D—Emotionally Disturbed.
- E—Physically and Perceptually Handicapped.

Evaluation and practice in the use of materials, methods, and curricula sequences for special class children. Emphasis is placed on adapting learning environments related to language, art, social skills, quantitative operations, health, and creative activities to meet the demands of children with special learning disorders or talents.

**Education 656. Principles of Guidance. (2-0-2); I, II, III.**

History, philosophical principles, 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, types and scope of guidance.

**Education 660. Supervision. (3-0-3); I, III.**

Prerequisite: Admission to an administration program.

Nature and scope of supervision, principles governing supervisory process; planning supervisory programs; facilitating teacher growth; improving curricula; using instructional materials; evaluation; and remedial programs.

**Education 661. Exceptional Child Research and Problems. (Two to six hours); I, II, III.**

Prerequisite: Education 550.

A seminar research problems course that provides students with an opportunity to explore in depth particular problems related to learning disorders.

**Education 662. Individual Inventory Techniques. (3-0-3); II.**

Prerequisite: Permission of instructor.

Special training in the choice and utilization of achievement and psychological tests and inventories not requiring clinical training; sociometrics, and observational and interview techniques.

**Education 664 A, B, C. Information Services and Vocational Development (3-0-3); II, III.**

Sources, descriptions, and evaluation of informational materials appropriate for different age levels together with methods of dissemination; theories of how mental, environmental, emotional, and attitudinal factors influence career choice and vocational development.

Section A—For elementary school counselors

Section B—For secondary school counselors

Section C—For community agency counselors

**Education 665. Organization and Administration of Guidance Services. (2-0-2); II, III.**

Prerequisite: Admission to the program for guidance counselors.

Organizational goals, procedures and patterns; lines and limits of authority; relationships of the counselor with school personnel and with community members and organizations; referral procedures; and legal implications for the counselor.

**Education 666 A, B, C. Techniques of Counseling. (3-0-3); I, III.**

Prerequisite: Ed. 656 or Ed. 667 A, B, C and permission of instructor.

Basic philosophies, principles and procedures in counseling; participation in lab experiences; study of pertinent research.

Section A—For elementary school counselors

Section B—For secondary school counselors

Section C—For community agency counselors

**Education 667 A, B, C. Group Procedures. (3-0-3); I, II, III.**

Study of theories and principles of individual reaction under stress in group situations and application in group counseling and guidance programs. Groups include the school, the family and the community.

Section A—For elementary school counselors

Section B—For secondary school counselors

Section C—For community agency counselors

**Education 668. Organization of Special Classes in the School. (1-3-2); II, III.**

Prerequisite: Education 550.

The relation between the special class teacher and students within the matrices of the larger school community. Techniques of parental counseling and introduction of the students into the work and social aspects of the larger community.

**Education 669 A, B, C. Practicum in Guidance and Counseling.**  
(One to three hours.); I, II, III.

Prerequisites: Ed. 666 and permission of instructor.

Supervised experience in guidance and counseling in groups and on an individual basis.

Section A—For elementary school counselors

Section B—For secondary school counselors

Section C—For community agency counselors

**Education 670. Research Problems in Education.**  
(One to three hours); I, II, III.

Prerequisites: Education 600.

An independent research study of a professional problem. Conferences with the instructor are by arrangement.

**Education 671. Seminar — Problems of the Teacher.**  
(1-0-1); I, II, III.

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 679. Advanced Practicum or Internship in Guidance and Counseling.** (Two to six hours); I, II, III.

Prerequisite: One year's experience as a qualified counselor; permission of instructor.

Supervised practice for counselors desiring a different experience of counseling than that secured in previous training or present work.

**Education 680. History and Philosophy of Education.**  
(3-0-3); I, II, III.

Beginnings of the American system of education; survey of theories of education, factors and forces changing American education philosophies of learning applied to contemporary educational problems.

**Education 681. Seminar — Methods for Secondary Teachers.**  
(1-0-1); I, II, III.

Individual research into modern and innovative teaching techniques; review of current teaching methods; study of significant problems related to innovative approaches concerning the secondary school teacher. Written and oral reports and group discussion.

**Education 683. The American Secondary School.**  
(3-0-3); I, II, III.

Traces the development of the American secondary school, identifying historical and philosophical influences upon this development; relates current practices to their historical bases; examines present-day trends and innovations.

**Education 684. School Finance.** (2-0-2); II.

Sources of school support; state, local, federal; apportionment of state funds; the local district and finance; and administration control of school funds — budgeting and accounting.

**Education 685. Research Problems of the School Leader.**  
(One to three hours); I, II.

Prerequisite: Education 600 or equivalent experience.

Intensive and comprehensive investigation of problems in educational administration, involving collection and analysis of original data.

**Education 686. The School Plant.** (2-0-2); III.

Problems of school plants and auxiliary facilities; evaluation of existing facilities, planning and financing building programs and selecting equipment.

**Education 688. Seminar in Adult Education.** (1-0-1);  
on demand.

A series of presentations by graduate students, visiting lecturers, and members of the graduate faculty on problems and issues confronting adult educators.

**Education 691. The School and the Public.** (2-0-2); II.

School-community relations; changing concept of, influence of social and economic factors and role of public relations in school-community relations.

**Education 692. Administration of School Personnel.**  
(3-0-3); I, III.

Dimension and direction of school personnel work; faculty, staff, special service, pupil, custodial, and transportation.

**Education 695. The Elementary School Principal.**  
(2-0-2); I, III.

Prerequisite: Admission to an administrative program.

Organization and administration of elementary schools; supervision of pupil, professional and non-professional activities; community relations; scheduling, and special services.

**Education 696. The Secondary School Principal. (2-0-2); II, III.**

Prerequisite: Admission to an administrative program.

Organization and administration of secondary schools; supervision of personnel; co-curricular activities; guidance programs; in-service development; schedule making, and public relations.

**Education 698. Pupil Personnel Accounting and Records Management. (3-0-3); III.**

Prerequisite: Admission to program for Director of Pupil Personnel.

Analysis of various methods of pupil personnel accounting and records management systems including computer applications. Responsibilities of school and non-school personnel and agencies. Influences of socio-economic factors on school attendance.

**Education 699. Thesis. (Two to six hours). I, II, III.****Education 700-799. Independent Study. (1-3 hours); I, II, III.**

Students desiring in-depth study in certain areas of education may register for independent study in any education course completed for graduate credit with the exception of Ed. 600—Research Methods, other research courses, or seminars and workshops. Approval of the student's advisor, the Head of the Department under which the course is offered, and the professor who will supervise the study are required. Independent study courses are prefixed by the number "7", followed by the two numbers that regularly identify the course, e.g., advanced independent study in curriculum construction (Ed. 630) would be designated Ed. 730. It should be noted that independent study courses are not offered for students to earn off-campus credit but are intended to provide students desiring in-depth study and proficiency in specific areas to do advanced study not offered through regular courses. Independent study courses will not be approved unless a faculty member, competent in the area, and with sufficient time to supervise the study, is available.

## PSYCHOLOGY

**Psychology 521. Physiological Psychology. (3-0-3); I.**

Prerequisite: Psychology 154 or 155.

Physiological mechanisms of normal human and animal behavior. Anatomy and physiology relevant to the study of sensory and motor functions, emotion, motivation and learning.

**Psychology 554. Social Psychology. (3-0-3); II.**

Prerequisite: Psychology 154 or 155.

The scientific study of the individual's relationships with his social environment. Emphasis is placed on attitudes, personality, prejudice, discrimination, and dominance, role theory, social learning, social and interpersonal perception, and social movements.

**Psychology 556. Introduction to Clinical Psychology. (3-1-3); I.**

Prerequisite: Psychology 154 or 155 and Mathematics 353.

A survey of basic theoretical issues and research in the areas of assessment and psychotherapy, ethical, legal, and other professional problems in clinical psychology. Emphasis on clinical aspects of the school psychologists functions in working with school age children.

**Psychology 558. Psychological Testing. (1-3-3); I.**

Prerequisite: Psychology 154 or 155 and Mathematics 353.

A general introduction to psychological testing. Topics covered include interest inventories, measurement and evaluation of personality, proficiency, performance, attitudes, temperament, aptitude, capacity, and intelligence through use of group assessment instruments used in psychological research, guidance, education, social research, business and industry.

**Psychology 575. Selected Topics. (2-2/3-6).**

Prerequisite: Consent of instructor.

Various methods courses in instrumentation and data reduction, innovation and research design, directed study of special problems in psychology, various application courses, and others.

**Psychology 580. Measurement Principles and Techniques. (3-0-3); I, II, III.**

(See Education 580).

**Psychology 581. Experimental Psychology I. (2-2-3); I.**

Prerequisite: Psychology 154 or 155 and Mathematics 353.

The study of experimental methods and design related to sensation, perception, discrimination, learning, forgetting, and retention.

**Psychology 582. Experimental Psychology II. (2-2-3); II.**

Prerequisite: Psychology 581 or consent of instructor.

A continuation of Psychology 581. This course includes theory, original psychological experimentation by the student, laboratory method, and data analysis.

**Psychology 583. Sensory Psychology. (2-2-3); I.**

Prerequisites: Psychology 154 or 155 and Mathematics 353.

The study of the biological and the physical bases of sensory experience. Presentation of psychophysical data and basic techniques for scaling of sensation. Coverage of all sensory systems with primary emphasis on vision and audition.

**Psychology 584. Perception. (2-2-3); II.**

An examination of the role of perception as an information-extraction process. Includes the constancies, space perception, illusions, and the influence of learning and experience on the development of perception.

**Psychology 585. Systems and Theories. (3-0-3); I.**

Prerequisites: Psychology 154 or 155 and Mathematics 353.

An intensive study of the more influential historical systems of psychology including structuralism, functionalism, associationism, behaviorism, Gestalt psychology, and psychoanalysis, and a treatment of contemporary developments.

**Psychology 586. Motivation. (2-2-3); II.**

Prerequisite: Psychology 154 or 155.

A consideration of the bases of human and animal motivation in relation to other psychological processes.

**Psychology 589. Psychology of Learning. (3-0-3); II, III.**

Prerequisite: Psychology 154 or 155.

The fundamental principles of learning including acquisition, retention, forgetting, problem solving, and symbol formation; experimental studies; the application of principles to practical problems in habit formation, development of skills, remembering and logical thinking.

**Psychology 590. Abnormal Psychology. (3-1-3); II.**

Prerequisite: Psychology 154 or 155.

The psychology, behavior, and treatment of individuals having superior or inferior mental abilities; perceptual handicaps, orthopedic problems, and behavioral disorders, and the general methods of facilitating growth, therapy, and research in this area.

**Psychology 600. Seminar. (One to nine hours).**

Prerequisite: Permission of major professor in psychology. May be repeated for a maximum of nine hours.

**Psychology 609. Advanced Educational Psychology. (3-0-3); II, III.**

Prerequisite: Psychology 154 or 155.

An advanced and applied study of principles of learning, mental health, and development in relation to evaluative, remedial, and educational processes.

**Psychology 610. Advanced Human Growth and Development. (3-0-3); I, II, III.**

Prerequisites: Psychology 154 or 155 and Education 210.

A study of the developmental processes in childhood and adolescence. Application of principles of development, research findings, and theory to human behavior.

**Psychology 612. Aspiration and Ability Evaluation. (1-3-3); III.**

Prerequisites: Psychology 154 or 155 and permission of instructor.

Administration, interpretation and use of tests in individual and group guidance; educational diagnosis; evaluation of student interests and abilities. Establishing evaluation programs in the schools to measure achievement, attitudes, interests, and pupil abilities.

**Psychology 621. Advanced Physiological Psychology. (2-2-3); II.**

Prerequisites: Psychology 154 or 155 and Psychology 521.

Interaction of physiology and behavior including the study of the peripheral and central nervous systems as they relate to motor coordination and reflex processes.

**Psychology 633. Personality Theory. (3-0-3); II.**

Prerequisites: Psychology 154 or 155 and permission of instructor.

An examination of theories of personality. The relation of current theories to psychological research will be examined.

**Psychology 634. Learning Theory. (3-0-3); I.**

Prerequisite: Psychology 154 or 155.

An examination of theories of learning and the relationship of these theories to psychological research.

**Psychology 657. Mental Measurements. (1-5-3); I.**

Prerequisites: Psychology 558 and admission to graduate study in the Department of Psychology.

Types of psychometric and objective methods for the measurement of mental ability and behavior. Special emphasis on training students to evaluate ability and transmit data on learning and behavior problems of clients to other professionals and school personnel.

**Psychology 658. Mental Measurements II. (1-5-3); II.**

Prerequisite: Psychology 657.

A continuation of Psychology 657. Increased emphasis on evaluative procedures.

**Psychology 661. Introduction to Projective Techniques. (1-5-3); I.**

Prerequisite: Psychology 558.

Projective tests as instruments for collecting thought content, attitudes, and feelings; their use in clinical diagnosis and therapy. Practice in administering, scoring, and interpretation.

**Psychology 662. Advanced Projective Techniques. (1-5-3); II.**

Prerequisite: Psychology 661.

A continuation of Psychology 661.

**Psychology 664. Construction of Testing Instruments. (1-4-3); I.**

Prerequisite: Psychology 558.

Principles involved in construction of different types of standardized tests, followed by the construction and item analysis of two original tests by the student.

**Psychology 672. Internship in Clinical-School Psychology. (Six to twelve hours); I, II, III.**

Permission of instructor required.

Placement of school psychology trainees in school and clinical settings for internship under qualified supervision. Open only to advanced graduate students in the school psychologist program. Six hours minimum credit required.

**Psychology 673. Clinical Methods. (1-5-3); I, II.**

Permission of instructor required.

Techniques and theories of the psychotherapeutic and psychodiagnostic processes. Intensive use of projective and objective instruments with pre-school and school age populations. Open only to advanced students in the school psychologist program.

**Psychology 690. Psychological Research. (Two to nine hours); I, II, III.**

Permission of instructor required.

A seminar research design and problems course to explore in depth specific areas of research related to the student's principal professional objective.

**Psychology 699. Thesis. (One to six hours).**

Permission of instructor required.



# HEALTH, PHYSICAL EDUCATION AND RECREATION

## HEALTH

**Health 532. Physiology of Exercise. (2-0-2); I, II, III.**

Prerequisite: Health 402 or concurrently.  
(See Physical Education 532.)

**Health 601. School Health Services. (2-0-2); I, alt. III.**

Prerequisite: Twelve hours of undergraduate credit in Health.  
Seminar approach to the total program of health in the school: education for health, administration, ecology, management, improvement.

**Health 612. Public Health Services. (2-0-2); II, alt. III**

Prerequisite: Twelve hours of undergraduate credit in Health.  
Seminar approach to the total program of public health: history and philosophy, administration, services, future.

**Health 614. Principles of Epidemiology. (2-2-3); I.**

Prerequisite: Health 612.

Ecology and causes of diseases; factors influencing occurrence of diseases; critical incidents in epidemiology, epidemiologic investigations.

**Health 670. Research Problems. (One to three hours); I, II, III.**

Prerequisite: Twelve hours of undergraduate credit in Health and permission of instructor.

Intensive investigation of a problem in health: problem must be approved prior to enrollment. Conferences with instructor as necessary.

**Health 699. Thesis. (One to six hours); I, II, III.**

Prerequisite: Approval of thesis topic by thesis committee.  
Maximum of six (6) hours allowed.

## PHYSICAL EDUCATION

**Physical Education 532. Physiology of Exercise. (2-0-2); I, II, III.**

Prerequisite: Physical Education 402, or concurrently, or permission of instructor.

Study of the response of the body to muscular activity: nature of contraction, work and efficiency, circulorespiratory adjustment, training and fitness.

**Physical Education 575. Adapted Physical Education. (2-0-2); I, II.**

The nature and extent of the problem of exceptional students and the means whereby these students can be aided through physical education.

**Physical Education 576. Special Problems in Physical Education. (One to three hours) I, II.**

Prerequisite: Upper division or graduate classification.

This course is designed to meet the special needs of individual students. An intensive study of approved specific problems from the area of Health, Physical Education and Recreation, under the direction of the instructor.

**Physical Education 600. Current Problems in Physical Education. (2-0-2); I, III.**

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 601. Tests and Measurements in Health, Physical Education and Recreation. (3-0-3); I, III.**

Advanced principles of evaluation in health, physical education and recreation.

**Physical Education 603. Theory and Philosophy of Dance. (2-0-2); I.**

The relationship of aesthetics and dance in education and as a performing art.

**Physical Education 604. History and Principles of Physical Education. (3-0-3); I.**

Development of physical education; analysis of its aims, objectives and principles.

**Physical Education 605. Planning Facilities for Physical Education. (2-0-2); II.**

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

**Physical Education 606. Physiological Effects of Motor Activity. (3-0-3); I, II, III.**

Physiological changes resulting from motor activity. Familiarization with, and use of, the various instruments and devices for measuring physiological changes in the body.



**Physical Education 608. Analysis of Motor Skills. (3-0-3); I.**

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

**Physical Education 610. Readings in Health, Physical Education, and Recreation. (2-0-2); I, III.**

Extensive guided reading to further acquaint the student with the total area of health, physical education, and recreation.

**Physical Education 612. Curriculum Construction in Elementary Physical Education. (2-0-2); I, II.**

An evaluation of the curriculum of the elementary school in relation to the needs of the pupil in the area of Health, Physical Education and Recreation; curricular planning to meet these needs.

**Physical Education 615. Physical Education for the Exceptional Child. (2-0-2); II, III.**

Diagnosing the abnormal child in relation to his individual needs and capabilities in the areas of physical Education and Recreation in the rehabilitation or development of the abnormal child.

**Physical Education 616. Foundations and Trends in Health, Physical Education and Recreation. (2-0-2); I, III.**

Physiological, psychological, sociological and scientific foundations of Health, Physical Education and Recreation. Current trends in Health, Physical Education and Recreation.

**Physical Education 625. Adaption of Muscular Activity. (2-2-2); II, III.**

Prerequisite: Physical Education 575.

Advanced study of physical education for the exceptional student. Organization and administration of adapted physical education programs; program planning, principles and techniques, evaluation.

**Physical Education 670. Research Problems. (One to three hours.) Arranged to meet the needs of the student.****Physical Education 699. Thesis. (One to six hours); I, II, III.**

Prerequisite: Approval of thesis topic by thesis committee. Maximum of six (6) hours allowed.

**RECREATION****Recreation 580. Outdoor Interpretation. (2-2-3); II, III.**

Procedures for conducting and supervising naturalist and outdoor interpretive programs.

**Recreation 630. Programs in Recreation. (2-0-2); II, III.**

A study of the different media through which recreation is presented. Sponsoring groups, personnel, administration, organization, facilities, finances, maintenance, equipment, supplies and promotion.

**Recreation 635. Organization and Administration of Intramural Activities. (2-0-2); II, III.**

The history and philosophy of intramural activities; the relationship of intramural activities to education, physical education, and recreation.

**Recreation 640. Recreation in the Senior Years. (2-0-2); I, III.****Recreation 670. Research Problems in Recreation. (One to three hours); I, II, III.**

Prerequisite: Education 600.

Intensive investigation of a problem in recreation. Problem must be approved prior to enrollment. Conferences arranged with instructor as necessary.

**Recreation 699. Thesis. (One to six hours); I, II, III.**

Prerequisite: Approval of thesis topic by thesis committee. Maximum of six (6) hours allowed.

## **LIBRARY SCIENCE**

### **Library Science 511. Cataloging and Classification. (3-0-3); I, II, III.**

Prerequisite: Skill in typing required.

Dewey Decimal Classification, Sears subject headings, principles of simplified cataloging of book and non-book materials.

### **Library Science 521. Books and Materials for Young People. (3-0-3); I, II, III.**

Principles of selecting books and non-book materials; reading interests and needs; criteria for judging materials, reading guidance through use of book talks, reviews, and discussions; emphasis on reading books for the adolescent.

### **Library Science 522. Books and Materials for Adults. (3-0-3); II.**

The library in adult education; books and other informational materials; appraisal of reading interests, habits, needs and abilities; techniques of reading guidance.

### **Library Science 523. Reference and Bibliography. (3-0-3); I, III.**

General reference books by types and a bio-bibliography.

### **Library Science 575. School Library Practice. (Three to four hours); I, II, III.**

Prerequisite: All other library science courses required for certification except those taken at the same time as practice work.

Practical application of procedures in modern school library. Reading guidance, story telling, book talks, organization of teaching materials are stressed.

### **Library Science 582. Audiovisual Aids in Instruction. (3-0-3); I, II, III.**

(See Education 582)

### **Library Science 599. Library Media Workshop. (One to six hours); on demand.**

Subject matter and length of time vary; prerequisites determined for each. May be repeated but not to exceed a total of six hours.

### **Library Science 621. Research in Media for the Adolescent. (3-0-3); II, III.**

Prerequisite: Library Science 521, Books and Materials for Young People, or comparable course. Open to students prepared to carry on semi-independent study in media for adolescents with an in-depth study in one or more areas.

### **Library Science 627. Research in Children's Literature. (3-0-3); II, III.**

Prerequisite: A course in literature for children.

Open to students prepared to carry on semi-independent study in literature for children and adolescents. Reading of books for children and adolescents, in-depth study in one or more areas.

### **Library Science 670. Research Problems. (3-0-3); I, II, III.**

Prerequisite: Education 600; school library experience; and courses necessary for provisional library certificate.

Investigation of a problem in library services utilizing basic methods of research; methodology to include collection and analysis of original data; prospectus and written report.

**SCHOOL OF**

**Humanities**

**Johnson E. Duncan, Ph. D., Dean**

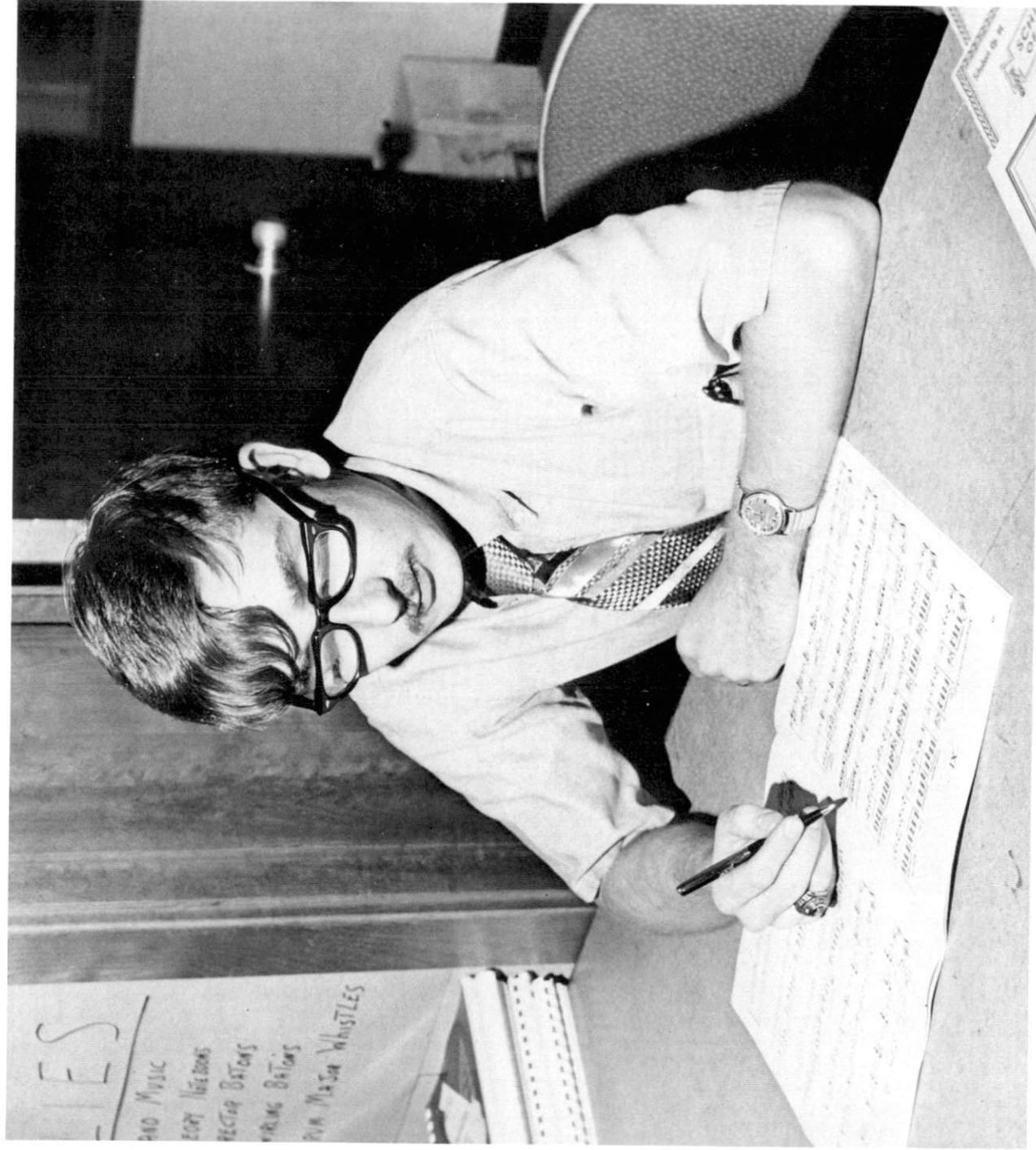
**ART**

**COMMUNICATIONS**

**LANGUAGES AND LITERATURE**

**MUSIC**

**PHILOSOPHY**



The School of Humanities presently grants three graduate degrees: Master of Arts in Art, Master of Arts in English and Master of Music.

The Master of Arts in Art Degree is designed to acquaint the student with the literature of the disciplines of Art, Art Education, Art History, and Art Criticism. The program familiarizes the student with the responsibilities he must assume as artist-teacher in his community. The student may elect either of two options under this degree program: Art Education or Studio Art.

The Master of Arts in English provides for varying degrees of emphasis in American Literature, English Literature, and Linguistics. Considerable flexibility in requirements allows the student to develop further his preparation for teaching or to prepare for further study at the doctoral level.

The Master of Music Degree is offered with major fields of study in performance and music education. The performance emphasis is intended for those interested in the development of performance skills and in the musicological and theoretical studies which relate to these skills. The music education emphasis is intended for those whose primary interests are in the area of public school music teaching. The requirements for the Kentucky Standard Certificate may be fulfilled in the Master of Music degree programs.

## **COURSE OFFERINGS**

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

## **FINE ARTS**

**Fine Arts 588. Opera Workshop. (0-2-1); I, II.**

An introduction to the techniques of musical theatre with emphasis placed on the integration of music and action-dramatic study of operatic roles.

**Fine Arts 660. Comparative Arts. (3-0-3); on demand.**

A study of music, literature, and the visual arts in relation to their social, religious, and historical backgrounds.

## ART

### Requirements for the Master of Arts Degree in Art:

Students majoring in Art with a Master of Arts Degree in Art may elect an emphasis in either Art Education or Studio Art.

### Requirements for Unconditional Admission to Graduate Study in Art:

1. General admission to Graduate study.
2. Completion of an undergraduate major or its equivalent in Art.
3. A minimum standing of 3.0 at the undergraduate level in Art.
4. Submission of an acceptable portfolio to the Department of Art, indicating a competency in art on the part of the applicant.

### Requirements for the Degree:

1. A minimum of 30 hours of work will be required for the degree.
2. Those applicants who elect the Master of Arts Degree in Art with an emphasis in Art Education may choose to take eight hours credit in the School of Education.
3. Those candidates who elect a studio emphasis for the degree must take a minimum of 24 hours in Studio Art.
4. All candidates for the degree of Master of Arts in Art must complete six hours in Art History, the Graduate Seminar in Art, and six hours of drawing at the graduate level.
5. Those candidates electing the Art Education emphasis will be required to complete an approved thesis or monograph.
6. Candidates electing the emphasis in Studio Art will

be required to have a one-man exhibit of work completed at the graduate level in Studio Art.

7. All candidates will be required to present themselves to the Art faculty for a final oral examination where they will defend their theses or their exhibitions.

### Art 502. Advanced Composition and Drawing. (2-2-2); I, II, III.

Prerequisite: Permission of the Department.

Advanced studio work in drawing with an emphasis on composition.

### Art 513. Oil Painting III. (2-2-2); I, II, III.

Prerequisites: Art 213 and 313.

Experiences leading toward individual achievements in styles and techniques.

### Art 516. Water Color III. (2-2-2); I, II, III.

Prerequisites: Art 216 and 316.

Experiences leading toward individual interpretation.

### Art 521. Art Workshop. (3-3-3); (Taught during intersession).

Participation in art activities according to individual needs.

### Art 537. Jewelry and Metal Work. (2-2-2); I, II, III.

Prerequisite: Permission of the Department.

Advanced techniques in the design and production of jewelry and household objects in precious metals.

### Art 545. Independent Studio. (Two to four hours.) I, II, III.

Prerequisite: Permission of the department required.

Independent studio for advanced students in studio art.

### Art 551. Printmaking III. (2-2-2); I, II, III.

Prerequisite: Art 351.

Advanced studio in printmaking. Emphasis is given to the processes of etching and engraving.

### Art 555. Advanced Art Problems. (2-2-2); I, II, III.

Prerequisite: Permission of the department required.

A studio course involving research in an art area of the student's choice.

**Art 565. Arts of the United States. (3-0-3); I, II, III.**

Prerequisite: Permission of the Department.

An in-depth study of the social, political, and cultural movements which affected the course of American artistic development.

**Art 571. Seminar. (1-0-1); I, II.**

Prerequisite: Permission of the department required.

**Art 583. Photographic Design III. (2-2-2); I, II, III.**

Prerequisites: Art 383 and permission of the department.

Individual problems in photographic design.

**Art 594. Sculpture III. (2-2-2); I, II, III.**

Prerequisites: Art 294 and 394.

Advanced problems in sculpture involving a combination of materials and their uniqueness as media.

**Art 603. (3-3-3); by arrangement.**

Prerequisites: Art 304 and permission of the department.

An advanced approach to drawing with extensive use of various materials and techniques.

**Art 604. Advanced Figure Drawing. (3-3-3); I, II, III.**

Prerequisite: Permission of the Department.

A course designed to acquaint the student with advanced problems in figure drawing and anatomy.

**Art 605. Figure Painting. (2-2-2); by arrangement.**

Prerequisites: Art 304 and permission of the department.

Use of oil paint on large canvases. Both male and female models used.

**Art 606. Portrait Painting. (3-3-3); Offered on Demand.**

Prerequisite: Permission of the Department.

A study of the techniques involved in painting the portrait. Emphasis is given to anatomy, color, and techniques of developing a proficiency in rendering the human figure.

**Art 613. Painting. (2-2-2); by arrangement.**

Prerequisites: Art 213, 313, and permission of the department.

For art majors and area students who wish to do graduate work on techniques in art.

**Art 616. Watercolor. (2-2-2); by arrangement.**

Prerequisite: Art 316.

Research and experimentation in the techniques of various types of water color and water color materials.

**Art 627. Reading in Art Education. (2-0-2); I, II, III.**

Prerequisite: Permission of the Department.

Subjects related to current research in Art Education will be given primary consideration. Other related educational research will be given secondary consideration.

**Art 651. Printmaking IV. (3-3-3); I, II.**

Prerequisite: Permission of the Department.

Special problems in various printmaking techniques with individual problems designed to meet the specific needs of each graduate printmaking student will be covered.

**Art 655. Advanced Ceramics. (3-3-3); I, II, III.**

Prerequisite: Permission of the Department.

Advanced study of ceramic glazes, kiln firing procedures, kiln construction and experimental treatment of clay bodies.

**Art 670. Directed Graduate Studies. (3-3-3); I, II, III.**

Prerequisite: Permission of the Department.

A course designed to allow for independent directed projects tailored to fit the individual needs of each graduate student.

**Art 671. Seminar. (2-0-2); I, II, III.**

Prerequisite: Permission of the Department.

A course designed to familiarize students with various methods of art criticism. A discussion course in which each student is required to participate.

**Art 676. Individual Problems. (3-3-3); by arrangement.**

Prerequisite: Permission of the department.

Investigation of special problems which are not included as a regular part of the curriculum.

**Art 680. History and Philosophy of Art Education in the U. S. (3-0-3); I, II, III.**

Prerequisite: Permission of the Department.

A survey of the major philosophical movements and how they relate to the changing emphasis given to Art Education in America.

**Art 692. Sculpture: Metal Casting. (3-3-3); I, II, III.**

Prerequisite: Permission of the Department.

Exploration of techniques in metal casting. A study of foundry construction, operation, and maintenance.

**Art 694. Sculpture. (3-3-3); by arrangement.**

Prerequisite: Art 594, or permission of the department.

An advanced approach to sculpture with extensive use of various materials and techniques.

**Art 699. Thesis. (One to six hours); on demand.**

Prerequisite: Permission of the Department.



## COMMUNICATIONS

### THEATRE

#### **Theatre 530. Summer Theatre III. (3-6 hours); III.**

Prerequisite: Theatre 330 and acceptance to summer theatre company.

Advanced assignments in set and costume design or advanced acting and directing.

#### **Theatre 552. Early Dramatic Literature. (3-0-3); I.**

A detailed study of representative plays from the great periods of dramatic literature from the Greeks to mid-nineteenth century.

#### **Theatre 553. Modern Drama. (3-0-3); II.**

A detailed study of the drama from the growth of realism to the present day.

#### **Theatre 554. Theatre History. (3-0-3); II.**

Prerequisite: Theatre 200.

A study of the origins and development of theatre.

#### **Theatre 570. Children's Theatre. (3-0-3); II.**

Prerequisite: Dramatic Arts 100.

A concentrated study of the problems involved in organization and production of plays for and with children.

### RADIO-TELEVISION

#### **Radio-TV 554. Television Production Arts. (2-2-3); I.**

Prerequisite: R-TV 340.

Advanced course in television production to give students opportunity for planning, developing and directing programs. Special cinematography skills will be learned under broadcast conditions.

#### **Radio-TV 558. Public Broadcasting. (3-0-3); II.**

Prerequisite: Junior standing and consent of the faculty.

A study of the development of public broadcasting from both theoretical and operational standpoints.

#### **Radio-TV 559. Law, Ethics, and Broadcasting. (3-0-3); I.**

A study of the legal and ethical aspects of broadcasting through precedent and current cases before Federal Communications Commission and courts.

#### **Radio-TV 583. Photographic Design III. (2-2-2); I, II, III.**

Prerequisite: R-TV 383.

Individual problems in photographic design.

### SPEECH

#### **Speech 520. Speech of Rhetorical Theory. (3-0-3); II.**

Introduction to basic concepts of rhetorical criticism from the ancient Greeks to the present.

#### **Speech 525. Survey of British and American Public Address. (3-0-3); II.**

Study of significant British and American speakers and speeches from the eighteenth century to the present.

### JOURNALISM

#### **Journalism 504. School Publications. (3-0-3); II.**

Prerequisite: 6 hours of Journalism (including Journalism 201) or by permission.

Advisement of students in the production of school newspapers, yearbooks, and magazines, including a complete review of journalism principles.

#### **Journalism 605. Law and Ethics. (3-0-3); II.**

Prerequisite: 6 hours of advanced Journalism credit.

An examination of law as it affects publications.

#### **Journalism 665. Public Opinion and Propaganda. (2-0-2); I.**

A study of the cultural, social, and psychological nature of public opinion and its influence on press, television, radio, and film; the nature of propaganda in advertising polling.

#### **Journalism 670. Journalism Internship. (3-0-3); III.**

Prerequisite: Approval by faculty.

Supervised internship for advanced students on staff of newspaper, radio, TV station, advertising-public relations agency, or National Wire Service Office.

## LANGUAGES AND LITERATURE

### ENGLISH

#### FOR THE MASTER OF ARTS DEGREE

##### Requirements for Admission to Graduate Study in English:

1. General admission to graduate study.
2. Completion of an undergraduate major or minor in English.
3. A minimum standing of 3.0 on all undergraduate English courses above the freshman level.

##### Requirements for the Degree:

1. Completion of a minimum of 18 semester hours of approved course work in English. At least 12 hours of this work must be earned in courses open only to graduate students.
2. Completion of an approved thesis or monograph.
3. Completion of a minimum of 30 semester hours of graduate work. (This includes the credit allowance for the thesis or monograph.)
4. A reading knowledge of a modern foreign language.
5. Successful completion of a final oral examination including defense of the thesis or monograph. Written examinations may also be required at the discretion of the student's committee and the Dean of Graduate Programs.

### COURSE OFFERINGS

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

### ENGLISH

#### English 500. The Teaching of English. (3-0-3); I, II.

The philosophy and rationale of content and methods of teaching English in the American high school today.

#### English 501. Linguistics: Semantics. (3-0-3); II (Alternate years).

Presents the problems of meaning as related to referential, distributional, and national ways of encountering experience.

#### English 505. Linguistics: Grammar. (3-0-3); I, II, III.

Principles of structural, transformational, generative, and tagmemic grammar.

#### English 506. Language of Mathematics and Science. (2-0-2); II (Alternate Years).

Presents language patterning and programming of texts as unique to carrying principles of mathematics and science.

#### English 509. American English: Use and Usage. (3-0-3); on demand.

A study of the dialects and the effectiveness of the language of the various parts of American society.

#### English 516. Reading and Linguistics. (3-0-3); I.

Basic elements essential to good reading; centers on phonology and morphology; major emphasis is phonological.

#### English 517. Structure of Literature. (3-0-3); I.

Elements of literature as determined through linguistic patterns. Study of linguistic patterns in literature.

**English 518. Linguistics: Business and Jurimetrics. (3-0-3); Extension.**

Analysis of language patterns unique to business and law, with practical consideration of each.

**English 531. Introduction to Old English. (3-0-3); on demand.**

Introduction to the language and the literature of the Anglo-Saxon Period.

**English 533. English Fiction. (3-0-3); II (Alternate Years).**

Development of the English novel from its beginnings to the twentieth century.

**English 535. Shakespeare. (3-0-3); I, II, III.**

Study of selected comedies, tragedies, and sonnets.

**English 536. The English Renaissance. (3-0-3); I (Alternate Years).**

A concentration on poetry and drama from 1500-1600—excluding Shakespeare.

**English 539. Milton. (3-0-3); on demand.**

Intensive reading of Milton's poetry and major prose.

**English 544. Folk Literature. (3-0-3); II (Alternate Years).**

The origin of such primitive literary forms as the proverb, tale, epic, ballad, and folk drama.

**English 552. Early Dramatic Literature. (3-0-3); on demand.**

Representative dramas from the Greeks to mid-nineteenth century.

**English 553. Modern Drama. (3-0-3); on demand.**

Representative dramas from the advent of realism to the present.

**English 560. Early American Authors. (3-0-3); (Alternate Years).**

The writings and backgrounds of Bradford, Taylor, Edwards, Franklin, Paine and Jefferson.

**English 562. Nineteenth Century American Fiction. (3-0-3); I.**

The development of American fiction from Charles Brockden Brown to Stephen Crane.

**English 564. Twentieth Century American Fiction. (3-0-3); II.**

The development of American fiction from 1900 to the present.

**English 566. American Poetry. (3-0-3); III (Alternate Years).**

The development of American poetry from its beginnings to the present.

**English 571. European Literature 1100-1600. (3-0-3); I (Alternate Years).**

Selected works from such major writers as Dante, Petrarch, Boccaccio, Machiavelli, Erasmus, Montaigne, and Rabelais.

**English 572. European Literature, 1600-1800. (3-0-3); I (Alternate Years).**

Selected works by such major writers as Cervantes, Racine, Moliere, Pascal, Voltaire, Diderot, Goethe, and Schiller.

**English 573. Twentieth Century European Literature. (3-0-3); II (Alternate Years).**

Selected works by such major writers as Mann, Proust, Chekhov, and Kafka.

**English 595. Linguistics: Composition. (3-0-3); I.**

Language patterns, inherent symbols and their meanings, and tagmemics.

**English 603. Bibliography. (3-0-3); I, III.**

An introduction to graduate research in American and English Literature. Required of all candidates for Master of Arts with a major in English.

**English 613. Literary Criticism. (3-0-3); II.**

A historical survey of literary criticism in Europe from the classical period to the twentieth century.

**English 619. American Renaissance. (3-0-3); I.**

An intensive study of the transcendental movement and its influence upon American literature as seen primarily in the works of Emerson, Thoreau, Hawthorne, and Melville.

**English 620. Major American Poets. (3-0-3); on demand.**

Intensive study of Whitman, Dickinson, Frost, Stevens, and Eliot.

**English 624. American Writers in Perspective. (3-0-3); II.**

Thematic development, growth of a genre, and regional qualities.

**English 628. American Literary Criticism. (3-0-3); on demand.**

Study of selected groups of critics, such as the New Humanists, the psychological and myth critics, liberal and radical critics, New Critics, or neo-Aristotelians.

**English 629. Directed Studies in American Literature. (one to three hours); I, II, III.**

Individual study under the direction of the faculty.

**English 631. Studies in Old English Literature. (3-0-3); on demand.**

Prerequisite: English 531 or the equivalent.

An intensive reading of selected Old English poetry and prose.

**English 632. Directed Studies in English Education. (One to three hours); I, II, III.**

Prerequisite: Admission to the graduate program in English or Education.

Individual study under the direction of the faculty.

**English 641. Chaucer's Era and Middle English. (3-0-3); on demand.**

A study of the works of Chaucer and other significant English literature from the twelfth through the fifteenth centuries.

**English 643. English Renaissance. (3-0-3); on demand.**

Elements of the Renaissance and Reformation, together with the poetry, prose, and drama of the period from 1500-1660.

**English 645. Jacobean and Restoration Drama. (3-0-3); on demand.**

Representative dramatists of seventeenth century England.

**English 647. Neoclassical Period. (3-0-3); on demand.**

Poetry and prose of major British writers from 1660-1780.

**English 648. English Romantic Period. (3-0-3); on demand.**

The works of Wordsworth, Coleridge, Shelley, Keats, Byron and others.

**English 650. Victorian Period. (3-0-3); on demand.**

The works of Tennyson, Arnold, Browning, Newman, Huxley, Ruskin and others.

**English 652. Twentieth Century English Literature. (3-0-3); on demand.**

The works of Eliot, Auden, Yeats, Joyce, Conrad, Woolf, Lawrence, Forster and others.

**English 653. Directed Studies in English Literature. (One to three hours); I, II, III.**

Individual study under the direction of the faculty.

**English 680. English Syntax. (3-0-3); III.**

Stresses syntactical studies primarily in the English language, and specifically in the use of American English structures.

**English 683. Philosophy of the Language. (3-0-3); on demand.**

Concentrates on the problems of knowledge insofar as the language itself is concerned.

**English 685. Psycholinguistics. (3-0-3); III.**

Both theoretical and practical applications of all psychological aspects of language.

**English 691. Dialectology. (3-0-3); II.**

Regional varieties of a language, the dialect boundaries, the phonological differences, and the lexical variations.

**English 692. Linguistics and Poetic Language. (3-0-3); on demand.**

The limits of poetic language as sound and as graphic expression.

**English 693. Phonology. (3-0-3); on demand.**

Study of the definition of phonemes and combinations of phonemes.

**English 697. Sociolinguistics. (3-0-3); III.**

Theory and practice involved in individual and institutional language patterning.

**English 698. Directed Studies in Linguistics. (One to three hours); I, II, III.**

Individual study under the direction of the faculty.

**English 699. Monograph or Thesis. (Two to four hours); I, II, III.**

## FRENCH

### **French 541. The French Novel. (3-0-3); on demand.**

Intensive study of a few selected novels considered to be representative of the genre.

### **French 542. The French Drama. (3-0-3); on demand.**

Intensive study and analysis of selected plays viewed as representative of the genre.

### **French 543. French Lyric Poetry. (3-0-3); on demand.**

Intensive study and analysis of masterpieces of French lyric poetry.

### **French 550. Reading French I. (3-0-3); on demand.**

Prerequisite: Permission of instructor.

Intensive practice in reading of the French language, with rapid and correct idiomatic translation as the aim.

### **French 551. Reading French II. (3-0-3); on demand.**

Prerequisite: French 550 or permission of the instructor.

Further study of grammar and drill in reading, with emphasis on reading in the student's own subject area.

### **Spanish 540. Seminar in Hispanic Literature. (3-0-3); on demand.**

Group instruction and practice in research methods peculiar to Hispanic literature.

### **Spanish 545. Spanish Drama from the Generation of 1898 to the Present. (3-0-3); on demand.**

A study of the major dramatists and dramatic trends from Benavente and his contemporaries through Garcia Lorca, Casona, and Buero Vallejo.

### **Spanish 550. The Spanish Essay from the Eighteenth Century to the Present. (3-0-3); on demand.**

A study of the major essayists from Feijoo through Madariga.

### **Spanish 555. Lope de Vega. (3-0-3); on demand.**

A study of the major dramatic and nondramatic works of Lope de Vega.

### **Spanish 670. Research Problems. (One to three hours); I, II, III.**

Original research of an approved subject under faculty supervision.

### **Spanish 676. Independent Study. (One to three hours); I, II, III.**

Individually planned study of a specific topic under direction of the faculty.

## SPANISH

### **Spanish 501. Advanced Grammar. (3-0-3); on demand.**

Compulsory for those who plan to teach Spanish. A thorough study of the verbs and the structure of the language. Based on the Royal Academy Grammar.

### **Spanish 523. Don Quixote de la Mancha. (3-0-3); on demand.**

A study of this masterpiece of Spanish literature.

### **Spanish 532. Contemporary Spanish and Spanish American Literature. (3-0-3); on demand.**

A survey of significant characteristics of twentieth century Hispanic literature, including the novel, short story, drama, essay and poetry.

## MUSIC

### Requirements for Unconditional Admission to Graduate Study in Music:

1. General admission to graduate study.
2. Completion of a bachelor's degree in Music or its equivalent.
3. A minimum standing of 3.0 on all undergraduate music courses above the freshman level.

### MASTER OF MUSIC

In addition to meeting all of the requirements of a general nature prescribed by the University for the master's degree, the candidate must complete one of the following curricula:

#### Emphasis on Performance.

	Sem. Hrs.
Applied music .....	8
Graduate Recital .....	2
Independent Study (related to performance area) .....	1-3
Studies in Musical Style .....	3
Seminar in Music Research .....	3
Electives in music history and literature .....	6
Electives .....	5-7
Total .....	30

(Music electives may be chosen without limitation except for applied music, in which a maximum of eight semester hours in the major performing area may be taken. A maximum of six hours from disciplines other than music may be taken.)

#### Emphasis on Music Education

	Thesis	Recital
Applied Music .....	2	4
Studies in Musical Style .....	3	3
Seminar in Music Research .....	3	3
Foundations of Music Education .....	3	3
Psychology of Music .....	2	2
Independent Study .....	0	1-3
*Graduate Recital .....	0	2
Thesis .....	4	0
Electives in music history and literature .....	4	4
Electives .....	9	6-8
Total .....	30	30

(Music electives may be chosen without limitation except for applied music, in which a maximum of eight semester hours in the major performing area may be taken. A maximum of six hours from disciplines other than music may be taken.)

\*The graduate recital may be given in composition or conducting as well as other performance areas, with the approval of the graduate faculty in these areas. In this case a minimum of two hours in applied music is required, along with at least four hours of course work in composition or conducting.

#### Certification

A student who is following a Master of Music degree program may qualify for the Kentucky Standard Certificate (provided he holds, or is eligible to hold, a provisional certificate). A student who expects to meet certification requirements in another state should contact the certification authority in that state to determine specific requirements. In order to qualify for the Kentucky Standard Certificate, a minimum of nine hours of credit must be earned in courses selected from the following list.

**MUSIC**

578	Teaching of Percussion .....	2 hours
616	Teaching of Strings .....	2 hours
625	Psychology of Music .....	2 hours
653	Teaching of Woodwinds .....	2 hours
661	Teaching of General Music .....	2 hours
680	Seminar in Music Research .....	3 hours
681	Foundations of Music Education ....	3 hours

**EDUCATION**

600	Research Methods in Education .....	2 hours
609	Advanced Educational Psychology ...	3 hours
610	Advanced Human Growth and Development .....	3 hours
630	Curriculum Construction .....	2 hours
632	Elementary School Curriculum .....	2 hours
634	Secondary School Curriculum .....	3 hours
680	History and Philosophy of Education .....	3 hours

**Music fees**

One half-hour private lesson per week, per semester .....	\$20.00
Each additional half-hour private lesson per week, per semester .....	20.00
Practice room and organ fee .....	5.00
Instrument rental fee .....	3.00
Recital fee .....	35.00

**Private Applied Music**

A graduate student usually takes private instruction only in his major instrument or voice. Under certain conditions, with the approval of his advisor, a student may take private instruction for graduate credit in a secondary instrument. A student who is not following a music curriculum may take private instruction for graduate credit provided he can demonstrate graduate proficiency.

Course numbers will be assigned from the following sequences.

- 517-518 Private Applied Music (Non-music students). One hour.
- 551-552 Private Applied Music (Secondary instruments or voice). One hour.
- 557-558 Private Applied Music (Major instruments or voice). One to four hours.

**Music Student Handbook**

In addition to the information contained in this catalogue, there are certain other requirements and policies which apply to music students. These are contained in the Music Student Handbook. Students following either of the programs of study leading to the graduate degree in music should consult the handbook.

**COURSE OFFERINGS**

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.



**Music 531. Arranging. (2-0-2); on demand.**

Prerequisite: Music 232 or the equivalent.

Scoring, arranging, transcribing of selected or original materials for voices and/or instruments.

**Music 532. Advanced Arranging. (2-0-2); on demand.**

Prerequisite: Music 531.

Continuation of Music 531.

**Music 563. Advanced Composition I. (1-1-2); I, II.**

Prerequisite: Music 364.

Study, writing, and performance of students original creative work. Private conferences and composition seminar in colloquium.

**Music 564. Advanced Composition II. (1-1-2); I, II.**

Prerequisite: Music 563.

Continuation of Music 563.

**Music 578. Teaching of Percussion. (2-0-2); II, III.**

A study of the development of percussion instruments, literature and performing techniques.

**Music 579. Marching Band Workshop. (2-0-2); I, III.**

Techniques of preparing marching bands for performance.

**Music 581. Literature of the Piano. (3-0-3); I.**

Survey of keyboard music from the sixteenth century to the present.

**Music 591. School Band Literature. (2-0-2); II, III.**

Examination and criticism of music for training and concert use by groups at various levels of attainment.

**Music 616. Teaching of Strings. (2-1-2); II.**

A survey of teaching techniques and materials with primary emphasis on the public school level.

**Music 625. Psychology of Music. (2-0-2); II, III.**

A study of the psychological processes upon which musical behavior depends.

**Music 631. Arranging for the Marching Band. (2-0-2); I, II.**

Study of current trends in half-time show styles; creative experiments in arranging in various styles; attention to individual projects.

**Music 653. Teaching of Woodwinds. (2-0-2); I, III.**

Comparative study of the various techniques and recent trends in the teaching of woodwind instruments.

**Music 656. Teaching of Brasses. (2-0-2); I, III.**

Comparative study of various techniques and recent trends in the teaching of brass instruments.

**Music 660. Graduate Recital. (2-0-2); I, II, III.**

A solo public recital of approximately one hour duration.

**Music 661. Teaching of General Music. (2-0-2); on demand.**

A pedagogy course with emphasis upon music for the non-performing student in the elementary and secondary schools.

**Music 663. Creative Writing I. (2-0-2); I, II, III.**

Private coaching and critique in developing individual compositional style.

**Music 664. Creative Writing II. (2-0-2); I, II.**

Prerequisite: Music 663.

Continuation of Music 663.

**Music 671. Advanced Conducting. (2-2-3); I, II, III.**

Advanced instruction and experience in the preparation, rehearsal, and performance of ensemble music.

**Music 676. Independent Study. (One to three hours); I, II, III.**

Definition and investigation of a problem in music. A written report of the problem, procedure, and results of the study must be submitted.

**Music 680. Seminar in Music Research. (3-0-3); I, III.**

A study of the types of research appropriate to the field of music and the methodology of each.

**Music 681. Foundations of Music Education. (3-0-3); I, III.**

Examination of the historical, philosophical, and sociological foundations of the teaching of music.

**Music 690. Studies in Musical Style. (3-0-3); II, III.**

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

**Music 691. Symphonic Literature. (3-0-3); I, III.**

Orchestral literature from the Mannheim School to the present. Emphasis upon formal structure, harmonic idioms, and orchestration.

**Music 692. Choral literature. (2-0-2); III.**

Vocal ensemble literature from 1400 to the present; stylistic traits, types of compositions, sources, and performance practices.

**Music 693. Contemporary Music. (3-0-3); I, III.**

A study of the compositions and theories of those composers who have contributed significantly to the music of the twentieth century.

**Music 694. Chamber Music. (2-0-2); II, III.**

A study of the literature for small ensembles from the eighteenth century to the present.

**Music 695. Song Literature. (2-0-2); II.**

A survey of music for solo voice, seventeenth through twentieth centuries.

**Music 699. Thesis. Four hours.**

## PHILOSOPHY

**Philosophy 505. History of Philosophy I. (3-0-3); I.**

Ancient and Medieval philosophy; a history of Western philosophy from Thales (624-546 B.C.) to the beginning of the Renaissance.

**Philosophy 506. History of Philosophy II. (3-0-3); II.**

Modern and Contemporary philosophy; a history of Western philosophy from the Renaissance to the present.

**Philosophy 610. Living Philosophy. (3-0-3); on demand.**

This course is designed for graduate students who have had little or no training in philosophy.

A study of theories of knowledge, reality, art, the state, and the good life in some of the most prominent living schools of philosophy.

**Philosophy 676. Research Problems. (One to three hours); on demand.**

Prerequisite: Twelve hours of undergraduate credit in philosophy.

The student selects an approved topic in philosophy on which he will do a directed study.

**SCHOOL OF**

**Sciences and Mathematics**

**Charles A. Payne, Ph. D., Dean**

**SCIENCE EDUCATION**

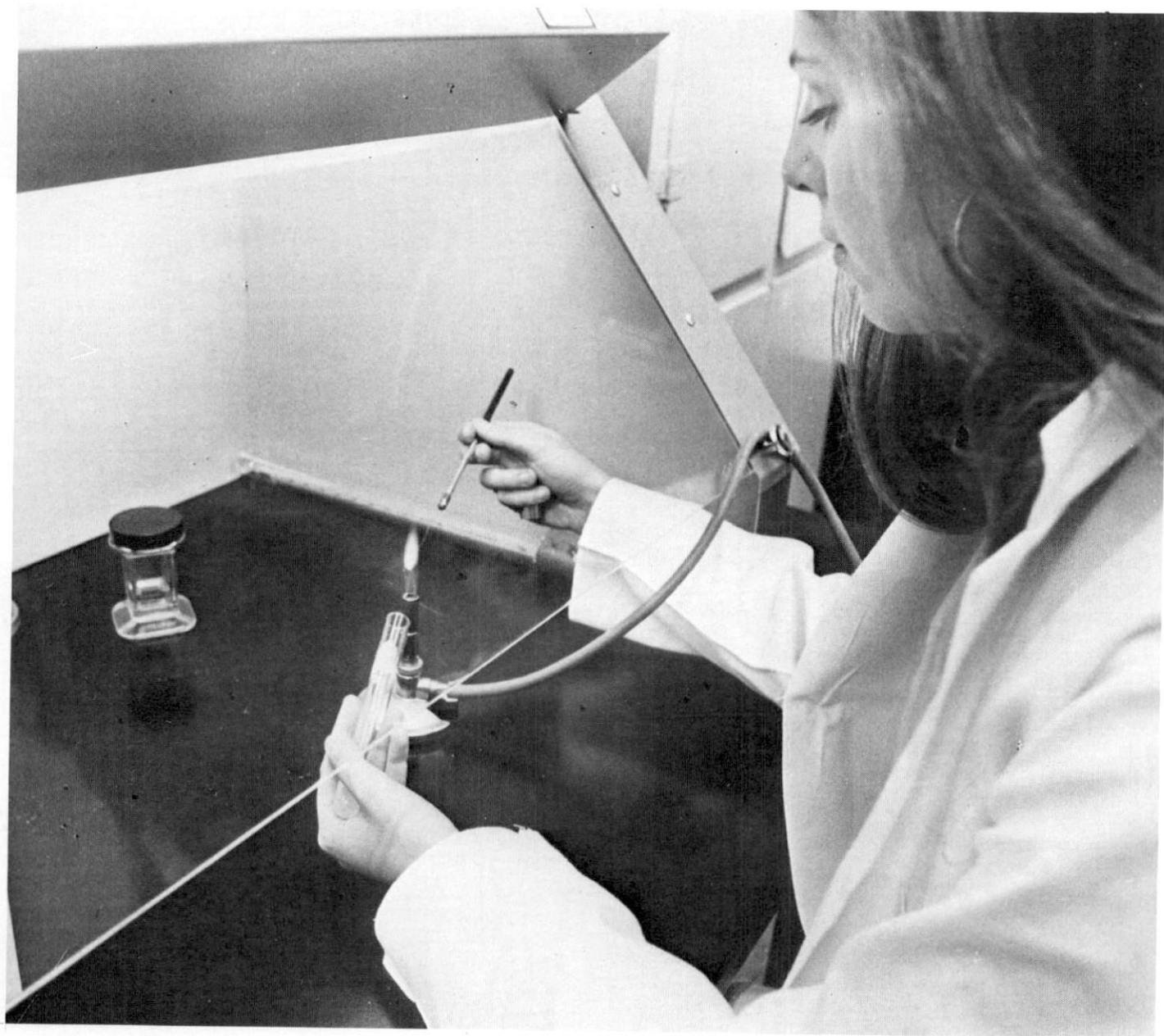
**BIOLOGICAL SCIENCES**

**MATHEMATICAL SCIENCES**

**CHEMISTRY**

**GEOSCIENCE**

**PHYSICS**



The School of Sciences and Mathematics offers opportunity for study leading to the Master of Science Degree in Biology, Chemistry, and Mathematics. Although advanced degrees are not offered in other areas of natural sciences, instruction is offered in graduate level courses, in cooperation with the School of Education, for those students desiring an emphasis in the sciences but pursuing the Master of Arts Degree in Education.

Among the major objectives of the School of Sciences and Mathematics is to emphasize basic sciences that prepare students to contribute to the advancement of knowledge in their respective fields. Curricula are continuously revised to meet the various needs of these dynamic fields. Significant is the student's opportunity for extensive participation in experimental laboratory work under the supervision of well qualified faculty—many of whom have research experience and numerous publications. Well equipped facilities are provided for support of teaching and research activities.

Several members of the graduate faculty hold membership in the Society of the Sigma Xi National Honor Society for the promotion of research in science. The local Sigma Xi Club is active and annually rewards outstanding research performed by both undergraduate and graduate students.

A limited number of graduate assistantships are available to permit graduate students to work in their areas of interest.

## COURSE OFFERINGS

**NOTE:** (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

## SCIENCE

### **Science 551. Plant Natural History. (2-2-3); II, III in odd years.**

Prerequisite: Science 105 or equivalent.

Field approach to the survey of major taxonomic groups, with emphasis on the natural history of local plants.

### **Science 552. Animal Natural History. (2-2-3); I, III in even years.**

Prerequisite: Science 105 or equivalent.

Field approach to the survey of major taxonomic groups, with emphasis on the natural history of local animals.

### **Science 553. Workshop in Environmental Biology (3-0-3); III.**

Prerequisite: Permission of instructor.

Regional distribution and reserve depletion of wildlife, forest, land, water, air, and mineral resources; emphasis on pollution and environment. (Especially designed for in-service, and future teachers).

### **Science 570. Earth Science. (2-2-3); I, II, III.**

Prerequisite: Permission of instructor.

Basic fundamentals of the earth sciences.

### **Science 580. History of Science. (3-0-3); I, II, III.**

Prerequisite: Six hours of science credit.

Development of scientific traditions, discoveries, and concepts from the time of ancient Egypt to the present.

### **Science 590. Science for the Elementary Teacher. (2-2-3); I, II, III.**

Prerequisite: Twelve hours of science or mathematics credit.

Admission to the Teacher Education Program. A study of teaching scientific concepts to elementary children.

### **Science 592. Science for the Secondary Teacher. (2-2-3); II, III.**

Prerequisite: Permission of instructor. Admission to the Teacher Education Program.

Concepts of teaching high school science with emphasis on curriculum innovations.

### **Science 676. Research Problems (One to six hours); I, II, III.**

Prerequisite: Open to graduate students seeking an advanced degree.

Independent research in science education. (Problem must be approved by the Department of Science Education prior to registration).

## BIOLOGY

### For the Master of Science Degree:

Requirements for Admission to Graduate Study in Biology:

1. General admission to graduate study.
2. Completion of an undergraduate major or minor in biology.
3. Minimum standing of 3.0 (A = 4.0) on all undergraduate biology courses above the freshman level.
4. Acceptable proficiency in chemistry, physics, and mathematics.

### Requirements for the Degree:

1. Completion of a minimum of eighteen (18) semester hours of approved course work in biology. At least twelve (12) hours of this work must be earned in courses open only to graduate students.
2. Completion of an approved thesis—maximum credit allowance is six hours.
3. Completion of a minimum of thirty (30) semester hours of graduate work. (This includes credit allowance for the thesis.)
4. Demonstrate reading proficiency in one modern foreign language.
5. Successful completion of a written examination in the student's major area of study as well as an oral examination to determine the candidate's proficiency in general biological concepts. The candidate will also defend his thesis before the faculty of the Department of Biological Sciences.

## COURSE OFFERINGS

NOTE: Field courses are designed with an asterisk(\*). (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled. I—fall; II—spring, III—summer.

### Biology 510. Limnology. (0-4-2); III.

Prerequisites: Biology 209, 215, and Chemistry 112.

Characteristics of fresh water conditions including chemical and physical effects, seasonal changes, thermocline development, and pressure in the ecology of aquatic forms.

### Biology 513. Plant Physiology. (2-2-3); I—on demand.

Prerequisites: Biology 215 and Chemistry 327 or equivalent.

Diffusion, osmosis, cell wall and membrane structure, mineral nutrition, photosynthesis, respiration, macro-molecules, photoperiodism, and other aspects of plant growth and development.

### Biology 514. Plant Pathology. (1-4-3); I—on demand.

Prerequisite: Biology 215.

Plant diseases; classification of fungi; diseases caused by rusts, smuts, fleshy fungi, bacteria, and viruses; physiogenic diseases; principles and procedures in the control of plant diseases; resistant varieties and culture control.

### Biology 515. Food Microbiology. (1-4-3); I—on demand.

Prerequisites: Biology 217 or 317.

Microbiology of food production, food spoilage, and food-borne diseases.

### Biology 518. Pathogenic Microbiology. (2-2-3); I—on demand.

Prerequisite: Biology 217 or 317.

Microbial diseases of man and animals; host responses to diseases.

### Biology 519. Virology. (2-2-3); II—on demand.

Prerequisite: Biology 317, or consent of instructor.

Morphology and chemistry of the virus particle; symptoms, identification, and control of more common virus diseases of plants and animals; host-virus relationships; research methods concerned with viruses.

### Biology 520. Histology. (1-2-2); I.

Prerequisite: Biology 209.

Characteristics of tissues and organs of vertebrates.

**Biology 525. Animal Physiology. (2-2-3); I—on demand.**

Prerequisites: Biology 209 and Chemistry 326 or equivalents.

Comparison of fundamental physiological processes in representatives of invertebrate and vertebrate animals.

**Biology 534. Ichthyology and Herpetology. (1-4-3);**

**II—on demand.\***

Prerequisite: Biology 209.

Anatomy, physiology, taxonomy, adaptations, and natural history of fishes, amphibians, and reptiles; emphasis on groups common to eastern North America.

**Biology 535. Mammalogy. (1-4-3); I—on demand.\***

Prerequisite: Biology 209.

Mammals of eastern North America with emphasis on mammals of southeastern North America. Taxonomy, adaptation, natural history, and methods of skin preparation.

**Biology 537. Ornithology. (1-4-3); II\***

Prerequisite: Biology 209.

Anatomy, physiology, classification, and identification of birds; life histories, habits, migration, and economic importance of native species.

**Biology 540. General Parasitology. (1-4-3); II.**

Prerequisite: Biology 209.

Protozoan, helminth, and arthropod parasites of man and domestic animals; emphasis on etiology, epidemiology, diagnosis, control, and general life histories of parasites.

**Biology 545. Medical Entomology. (2-2-3); I.**

Prerequisite: Biology 334, or permission of the instructor.

Arthropod vectors of diseases with special emphasis on insects of medical importance. Anatomy, physiology, identification, ecology, and control measures.

**Biology 550. Plant Anatomy. (2-2-3); I.**

Prerequisite: Biology 215.

Gross and microscopic studies of internal and external structures of vascular plants. The cell, meristem, cambium, primary body, xylem and phloem, roots, stems, and leaves; flowers and fruits; ecological anatomy.

**Biology 551. Plant Morphology. (2-2-3); II.**

Prerequisite: Biology 215.

Fossil and living non-vascular plants (except bacteria) and vascular plants; emphasis on morphology, ecology, and evolution.

**Biology 553. Workshop in Environmental Biology. (3-0-3); III.**

Prerequisite: Permission of the instructor.

Regional distribution and reserve depletion of wildlife, forest, land, water, air, and mineral resources; emphasis on pollution and environment. (Especially designed for in-service and future teachers).

**Biology 561. Ecology. (2-4-4); I.\***

Prerequisites: Biology 209 and 215.

Energy flow, biochemical cycles, limiting factors, and ecological regulators at the population, community, and ecosystem levels.

**Biology 574. Biological Techniques. (1-2-2); II.**

Prerequisites: Biology 209 and 215.

Collecting, preserving, and caring for biological materials; rearing and culturing a variety of animals and plants under laboratory conditions; construction and maintenance of laboratory equipment.

**Biology 595. Biochemistry I. (2-4-4); I.**

Prerequisite: Chemistry 327 or 332 or permission of the instructor.

The chemistry of carbohydrates, lipids, proteins and nucleic acids.

**Biology 596. Biochemistry II. (2-4-4); II.**

Prerequisite: Biology 595.

Continuation of Biochemistry I. Intermediary metabolism of carbohydrates, lipids, proteins, and nucleic acids; function and mechanism of action of enzymes; energetics of living systems, and regulation of life processes.

NOTE: The following graduate courses will be offered on demand during the semester indicated.

**Biology 601. Biological Concepts. (2-0-2); II.**

Selected concepts from various biological sciences; the impact of recent experimentation and discovery on basic biological principles.

**Biology 604. Modern Theories of Evolution. (2-0-2); I, II.**

History of evolutionary thought; classical evidences of evolution; factors involved in speciation and the origin of higher groups.

**Biology 605. Biology of the Invertebrates. (1-4-3); I.**

Major invertebrate phyla; emphasis on their evolution, taxonomy, morphology, physiology, and ecology.



**Biology 606. Biology of the Vertebrates. (1-4-3); II.**

Vertebrate classes; emphasis on their evolution, taxonomy, morphology, physiology, and ecology; local representatives. Field trips required.

**Biology 608. Taxonomy of Vascular Plants. (2-2-3); I.**

Collection preservation, and classification of vascular plants; emphasis on ecological adaptations and evolutionary trends.

**Biology 611. Radiation Biology. (1-2-2); II.**

Radiation effects on living systems; use of isotopes with respect to techniques used in determining effects on biological systems.

**Biology 612. Speciation. (2-0-2); I, II.**

Species concepts in terms of physiological, and neontological forms of reference; subspecies variation, clines, and reproductive isolation and capacity.

**Biology 615. Systematic Entomology. (1-4-3); II.**

Prerequisites: Biology 334 and permission of the instructor.

Insect orders with emphasis on the classification of insects to family and beyond; taxonomic keys.

**Biology 617. Mycology. (2-4-4); II.**

Morphology, taxonomy, and reproductive physiology of the fungi.

**Biology 618. Microbial Physiology. (2-4-4); I.**

Prerequisites: Biology 317, Chemistry 326 or permission of the instructor.

Advanced concepts in the physiology and cytology of microorganisms.

**Biology 620. Advanced Plant Physiology. (2-2-3); I.**

Prerequisites: Biology 513 and Chemistry 327 (Calculus recommended).

Physiology and biochemistry of green plants; respiratory metabolism, photosynthesis, nitrogen metabolism, terminal oxidation, and energy relationships of the cell.

**Biology 625. Advanced Genetics. (3-0-3); II.**

Discussion and research projects to meet the desires and needs of advanced students.

**Biology 630. Endocrinology. (2-2-3); I.**

Functions of endocrine glands; embryological development and histological characteristics of the endocrine glands.

**Biology 632. Reproductive Physiology. (2-2-3); II.**

Physiological processes of reproduction in domestic animals and man; gonadal functions, endocrine relationships, and fertility problems.

**Biology 640. Advanced Parasitology. (1-4-3); II.**

Parasites other than those of the phylum Arthropoda; the etiology, epidemiology, pathology, diagnosis prophylaxis, and control of parasitic protozoans, cestodes, trematodes, and nematodes.

**Biology 650. Cellular Physiology. (2-4-4); I—on demand.**

Prerequisites: Biology 209 and 215; Organic chemistry recommended.

Generalized cell; biochemistry and biophysics of cell membranes; permeability, diffusion, and osmosis; carbohydrates, lipid, protein, and nucleic acid metabolism; respiration and terminal oxidation; energetics of cellular processes.

**Biology 655. Cytology. (2-2-3); I—on demand.**

Prerequisites: Twelve hours of biology and Chemistry 112.

Cell morphology; biochemistry, genetics and cell developments; the cytoplasm, nucleus, and nucleocytoplasmic relationships.

**Biology 671. Seminar. (1-0-1); I, II.**

Prerequisite: Graduate status.

Student and/or faculty reports on individual research, technical papers in scientific journals, recent developments in biology, scientific meetings, or other significant problems in biology. Required of all graduate students in biology.

**Biology 676. Research Problems. (One to three hours); I, II, III.**

Prerequisite: Undergraduate minor in biology or equivalent.

Independent research in biology. Problem must be approved prior to registration.

**Biology 699. Thesis. (One to six hours); I, II, III.**

Prerequisite: Division permission required.

Research and thesis writing. Varying portions of the total credit may be elected to best fit student schedules.

## CHEMISTRY

**For the Master of Science Degree:** (Students may emphasize inorganic, organic, or physical chemistry, or a combination of these.)

### Requirements for Admission to Graduate Study in Chemistry:

1. General admission to graduate study.
2. Completion of an undergraduate major in chemistry.
3. A minimum average of 3.0 ( $A = 4.0$ ) on all undergraduate chemistry courses above the freshman level.
4. Acceptable proficiency in mathematics and physics.

### Requirements for the Degree:

1. Completion of minimum of twenty-four (24) semester hours of approved course work in chemistry and related fields. At least eighteen (18) hours of this work must be earned in courses open only to graduate students.
2. A student must complete at least one course in each of the following fields of chemistry: analytical, inorganic, organic, and physical.
3. Completion of an approved thesis—maximum credit allowance is six hours.
4. Demonstration of reading proficiency in either German or Russian.
5. Successful completion of a written examination to determine the candidate's proficiency in general chemistry concepts. The candidate will also defend his thesis before the faculty of the Chemistry Department.

### Chemistry 541. Physical Chemistry I. (3-2-4); I.

Prerequisites: Chemistry 223; Mathematics 275; Physics 202 or 232.

Gases, liquids, and solids; thermodynamics, properties of solutions, thermochemistry; equilibria and electrochemistry.

### Chemistry 542. Physical Chemistry II. (3-4-5); II.

Prerequisite: Chemistry 541; Co-requisite: Mathematics 276.

Chemical kinetics, quantum theory, molecular structure, and nuclear chemistry.

### Chemistry 550. Qualitative Organic Analysis. (2-4-4); II.

Prerequisite: Chemistry 326 or 332.

Qualitative analysis of organic compounds; physical and chemical methods.

### Chemistry 560. Instrumental Analysis. (1-4-3); II.

Prerequisites: Chemistry 340 or 541.

Theory and practice of instrumental analysis. Opticometric and electrometric methods.

### Chemistry 595. Biochemistry I. (2-4-4); I.

Prerequisite: Chemistry 327 or 332 or permission of instructor.

Carbohydrates, lipids, and proteins, intermediary metabolism, protein synthesis, enzymology, blood chemistry, bioenergetics, fluid electrolyte balance, vitamin and steroid chemistry.

### Chemistry 596. Biochemistry II. (2-4-4); II.

Prerequisite: Chemistry 595.

Continuation of Biochemistry I. Intermediary metabolism of carbohydrates, lipids, proteins, and nucleic acids; function and mechanism of action of enzymes; energetics of living systems, and regulation of life processes.

### Chemistry 601. Chemical Thermodynamics. (3-0-3); I.

Thermodynamics and chemical applications. Both classical and statistical approaches are discussed.

### Chemistry 602. Chemical Kinetics. (3-0-3); II.

Prerequisite: Chemistry 601.

Rate and mechanism of chemical reactions; kinetic theory of reactions, transition, state theory, solvent and salt effects.

### Chemistry 610. Advanced Organic Chemistry I. (3-0-3); I.

Synthetic methods of organic chemistry including a survey of procedures in the current literature.

**Chemistry 611. Advanced Organic Chemistry II. (3-0-3); II.**

Prerequisite: Chemistry 610.

Mechanisms of organic reactions; stereochemistry, molecular rearrangements, and experimental methods of physical organic chemistry.

**Chemistry 621. Molecular Structure and Chemical Bonding. (3-0-3); on demand.**

A quantum mechanical study of the structure and properties of molecules.

**Chemistry 631. Advanced Inorganic Chemistry I. (3-0-3); II.**

General principles of inorganic chemistry with emphasis on structural theories. Systematic descriptive inorganic chemistry, co-ordination compounds.

**Chemistry 641. Chemical Spectroscopy. (3-0-3); I.**

Spectroscopic methods including infrared, nuclear magnetic resonance, and mass spectroscopy; determination of molecular structure.

**Chemistry 670. Independent Study in Chemistry. (One to three hours); I, II, III.**

Investigation of a special area of chemistry not treated in detail in any course offering. The problem to be studied must be approved by the instructor prior to registration.

**Chemistry 671. Seminar. (1-0-1); I, II, on demand.**

Reports by students, faculty, and visiting speakers on research and topics of current chemical interest.

**Chemistry 676. Research Problems. (One to three hours); I, II, III.**

Independent research in chemistry. Problem must be approved prior to registration.

**Chemistry 699. Thesis. (One to six hours); I, II, III.**

Research and thesis writing. Varying portions of the total credit may be elected to fit best the student's schedule.

## GEOSCIENCE

**Geoscience 510. Geological History of Plants and Animals. (2-2-3); I.**

Prerequisites: Ten hours of Biology, including Biology 208 and 215, or Geoscience 101.

The evolutionary history of plants and animals throughout geological time. (This course cannot be counted toward a degree in geology).

**Geoscience 511. Introduction to Geophysics. (2-2-3); on demand.**

Prerequisites: Geoscience 325; Physics 202 or 232.

Geophysical phenomena. Limitations and advantages of methods in prospecting and interpretation of data.

**Geoscience 513. Micropaleontology. (2-2-3); on demand.\***

Prerequisite: Geoscience 510 or 378.

Collection, preparation, microscopic investigation, classification, paleoecology and stratigraphic succession of microfossils.

**Geoscience 520. Optical Mineralogy. (2-2-3); on demand.\***

Prerequisites: Geoscience 261 and Physics 202 or equivalent.

Behavior of light, in isotropic and anisotropic minerals. Identification of minerals with polarizing microscope.

**Geoscience 521. Petrographic Methods. (2-2-3); on demand.**

Prerequisite: Geoscience 520.

Mineral assemblages and textures in igneous, metamorphic and sedimentary rocks by use of polarizing microscopes; classification by optical properties.

**Geoscience 525. Petroleum Geology. (2-2-3); on demand.**

Prerequisites: Geoscience 314 and 325.

Origin, migration and accumulation of oil and gas. Exploration methods, reservoir development; logging, testing and completing wells.

**Geoscience 560. Geological Oceanography. (3-0-3); I.**

Prerequisites: Geoscience 101 or 510.

Marine erosion, transportation and deposition, continental shelves, slopes and ocean basins; marine environments. Shore-line processes and analysis.

**Geoscience 580. Introduction to Paleobotany. (2-2-3); on demand.\***

Prerequisite: Geoscience 101 or 510.

Fossil plants, their origin, morphology, phylogeny and stratigraphic succession.

# MATHEMATICS

## FOR THE MASTER OF SCIENCE DEGREE:

### Requirements for Admission to Graduate Study in Mathematics:

1. General admission to graduate study.
2. Completion of an undergraduate major or minor in mathematics.
3. A minimum grade average of 3.0 ( $A = 4.0$ ) on all undergraduate mathematics courses above and including the beginning course in calculus.

### Requirements for the Degree:

1. Completion of a minimum of eighteen (18) semester hours of approved course work in mathematics. At least twelve (12) hours of this work must be earned in courses open only to graduate students.
2. A student must complete Mathematics 586, 610, 650, and 551. (If a student has taken Mathematics 586 or its equivalent, in his undergraduate work, he may substitute an approved course in analysis provided he can demonstrate proficiency in complex variables to a committee of the graduate faculty in mathematics appointed by the mathematics chairman.)
3. In addition to the requirements listed in 1 above, a student must complete one of the following:
  - (a) prepare an approved thesis for which maximum credit allowance is six (6) hours,
 OR
  - (b) complete an additional six (6) hours in mathematics courses open only to graduate students.
4. Completion of a minimum of thirty (30) semester hours of graduate work, including the credit allowance for the thesis.

5. Successful completion of a final examination to determine the candidate's proficiency in mathematics. (The candidate must successfully defend his thesis before the mathematics faculty if option 3(a) is taken.)

### Mathematics 501. Design and Analysis of Experiments. (3-2-4); III.

Prerequisite: Mathematics 123 or 152.

Basic statistics with applications. Analysis of enumeration data; hypothesis testing; confidence intervals; analysis of variance; correlation, regression.

### Mathematics 510. Real Variables. (3-0-3); I.

Prerequisite: Mathematics 310.

Topological properties of Euclidean space; theory of differentiation and integration; sequences and series of functions; metric spaces.

### Mathematics 519. Probability. (3-0-3); I.

Prerequisite: Mathematics 275.

A course in mathematical probability and its applications to statistical analysis.

### Mathematics 520. Mathematical Statistics. (3-0-3); II.

Prerequisite: Mathematics 519.

Hypothesis testing and estimation; bivariate and multivariate distributions; order statistics; test of fit; nonparametric comparison of locations; distribution theory.

### Mathematics 553. Statistical Methods. (3-0-3); I.

Prerequisite: Mathematics 353 or 501.

A second course in basic statistical methods with applications. Analysis of variance; general regression analysis; hypothesis testing; confidence intervals.

### Mathematics 560. Group Theory. (3-0-3); I.

Prerequisite: Mathematics 350.

Structure of groups, isomorphism theorems, Sylow theorems.

### Mathematics 573. Projective Geometry. (3-0-3); III.

Prerequisites: Mathematics 372 or consent of instructor.

A synthetic treatment of projective geometry leading into natural homogeneous coordinates; analytic projective geometry; conics; axiomatic projective geometry, some descendants of real projective geometry.

**Mathematics 575. Selected Topics. (One to six hours); I, II.**

Prerequisite: Consent of instructor.

Topics are offered which meet the needs of the students and which are not otherwise included in the general curriculum.

**Mathematics 581. Mathematical Physics. (3-0-3); II.**

Prerequisite: Mathematics 363.

Boundary value problems and applications of mathematics to physical problems.

**Mathematics 585. Vector Analysis. (3-0-3); I.**

Co-requisite; Mathematics.

Vector functions of a single variable; scalar and vector fields; line integrals; generalizations and applications.

**Mathematics 586. Complex Variables. (3-0-3); II.**

Prerequisite: Mathematics 310 or 585, or permission of instructor.

Algebra of complex variables; analytic functions; integrals; power series; residues and poles; conformal mappings.

**Mathematics 590. Theory of Numbers. (3-0-3); II.**

Prerequisite: Mathematics 275.

Postulates; division algorithm; divisibility; prime numbers; linear and quadric congruencies.

**Mathematics 599. Mathematics Curriculum Workshop. (One to six hours); III.**

Prerequisite: Consent of instructor.

New curricula developments in mathematics.

**Mathematics 605. Advanced Topics. (3-0-3); I.**

Prerequisite: Consent of instructor.

Advanced study in some area of mathematics.

**Mathematics 610. Real Analysis. (3-0-3); II.**

Prerequisite: Mathematics 510.

Abstract measure spaces; Lebesgue integration; differentiation theory; classical Banach spaces.

**Mathematics 650. Higher Algebra I. (3-0-3); I.**

Prerequisite: Mathematics 351 or consent of instructor.

Rings, fields, extensions of rings and fields, modules and ideals.

**Mathematics 651. Higher Algebra II. (3-0-3); II.**

Prerequisite: Mathematics 660 or consent of instructor.

Finite dimensional extension fields; Galois Theory; structure theory of fields.

**Mathematics 670. Research Problems. (One to three hours); I, II, III.**

Prerequisite: Consent of instructor.

Individual research in mathematics. The problem to be investigated must be approved prior to registration.

**Mathematics 675. Selected Topics. (One to six hours); I, II.**

Prerequisite: Consent of instructor.

Topics are offered which meet the needs of students and which are not otherwise included in the general curriculum.

**Mathematics 699. Thesis. (One to six hours); I, II, III.**

Prerequisite: Department permission required.

Research and thesis writing. Varying portions of the total credits may be elected to best fit student schedules.

## PHYSICS

**Physics 550. Radiation Physics. (3-2-4); II.**

Prerequisite: Physics 202 or Physics 232.

Atomic and nuclear structure, radioactivity, detection and analysis of nuclear radiations; applications of radioisotopes, and radiological health physics.

**Physics 574. Principles and Techniques of Physics. (2-4-4); I.**

Prerequisite: Physics 202 or Physics 232.

For prospective teachers of high school physics; Harvard Project Physics, PSSC.

**Physics 593. Quantum Mechanics. (3-0-3); I.**

Prerequisite: Physics 391 or consent of the instructor.

The wave function; Hermitian operators and angular momentum; Schrodinger's equation, barriers, wells, harmonic oscillators, and the hydrogen atom.

**Physics 676. Research Problems. (One to three hours); on demand.**

Prerequisite: Consent of the instructor.

Independent research in physics under the direction of a member of the physics faculty. Research interests of the faculty include physics education, solid state physics, nuclear, and theoretical physics. The problem must be approved in advance of registration.

SCHOOL OF

**Social Sciences**

Roscoe H. Playforth, Ed. D., Dean

**GEOGRAPHY**

**HISTORY**

**POLITICAL SCIENCE**

**SOCIOLOGY**





The School of Social Sciences offers a Master of Arts Degree in History and a Master of Arts Degree in Sociology. The aim of the graduate program in history is to produce well-qualified teachers and scholars in history at the masters level. To accomplish this aim the Department offers to the student a broad selection of courses in certain fields of historical interests, and an opportunity to do research in American, European, and Non-Western history. Much of the graduate offering in history is according to the traditional graduate seminar method.

In addition each of the Departments of the School of Social Sciences offers graduate courses as service credits for students working toward the masters degree in the School of Education and others who may elect graduate work in the social sciences.

## HISTORY

### FOR THE MASTER OF ARTS DEGREE:

Students majoring in history for the Master of Arts Degree may emphasize either American history, European history, non-western history, or a combination of these.

#### Requirements for Admission to Graduate Study in History:

1. General admission to graduate study.
2. Completion of an undergraduate major or minor in history.
3. A minimum standing of 3.0 on all undergraduate history courses above the freshman level.
4. General proficiency in the social sciences.

#### Requirements for the Degree:

The student is permitted a choice of programs for the

attainment of the degree and it is recommended that he seek the advice of the Graduate Coordinator in selecting his option. The History Department recommends that students expecting to seek a terminal degree, select **Plan A**.

#### The options offered the student are as follows:

##### Plan A

- \*1. Completion of a minimum of thirty semester hours of approved graduate work in history. At least fifteen hours of the history credit must be earned in courses open only to graduate students.
2. Completion of an approved thesis.
3. A reading knowledge of a modern foreign language.

##### Plan B

- \*1. Completion of a minimum of thirty semester hours of approved graduate work in history. At least fifteen hours of the history credit must be earned in courses open only to graduate students.
2. A written comprehensive examination over the course work.
3. Completion of an approved thesis.

##### Plan C.

- \*1. Completion of a minimum of thirty semester hours of approved graduate work in history. At least fifteen hours of the history credit must be earned in courses open only to graduate students and must include a research seminar, History 598.
2. A written comprehensive examination over the course work.
3. A reading knowledge of an approved foreign language.

**Plan D**

- \*1. Completion of a minimum of thirty-three semester hours of approved graduate work in history. At least fifteen hours of the history credit must be earned in courses open only to graduate students and must include a research seminar, History 598.
2. A written comprehensive examination over the course work.

\*The total hours include the credit allowance for the thesis and a maximum of six hours which may be taken in a cognate area with the approval of the Department.

**SOCIOLOGY****FOR THE MASTER OF ARTS DEGREE**

Students majoring in Sociology for the Master of Arts Degree must have earned a minimum of eighteen (18) semester hours of undergraduate work in Sociology from an accredited institution of higher education. The applicant must, also, have earned a quality point average of 3.0 on all Sociology courses taken, subsequent to the freshman year.

Those who have graduated from non-credit institutions, have not maintained the 3.0 average quality point standing, or have not completed eighteen (18) semester hours of undergraduate credit in Sociology may gain admission into this program by successfully completing one or more of the following:

**Proposal**

1. Entrance examinations prepared and administered by the Sociology graduate faculty of the School of Social Sciences.
2. Satisfactory scores on the Graduate Record Examination.
3. An interview by the admissions committee of the Department of Sociology.

**Admission to Candidacy**

To be admitted to candidacy, a student, in addition to meeting general requirements, must have a satisfactory score on the Graduate Record Examination, and have achieved a 3.0 or higher on a minimum of twelve (12) graduate hours of Sociology completed at Morehead State University.

**General Program Requirements**

In addition to meeting all requirements of a general nature set by the University for the Master of Arts degrees, the candidate must complete one of the following planned programs:

**Plan A**

- \*1. Completion of a minimum of thirty semester hours of approved graduate work in sociology. At least twelve hours of the sociology credit must be earned in courses open only to graduate students.
2. Completion of an approved thesis.
3. A reading knowledge of a modern foreign language.

**†Plan B**

- \*1. Completion of a minimum of thirty semester hours of approved graduate work in sociology. At least twelve hours of the sociology credit must be earned in courses open only to graduate students.
2. A written comprehensive examination over the course work.
3. Completion of an approved thesis.

**†Plan C**

- \*1. Completion of a minimum of thirty semester hours of approved graduate work in sociology. At least twelve hours of the sociology credit must be earned in courses open only to graduate students and must include a research seminar, Sociology.

2. A written comprehensive examination over the course work.
3. A reading of an approved foreign language.

#### †Plan D

- \*1. Completion of a minimum of thirty-three semester hours of approved graduate work in sociology. At least fifteen hours of the sociology credit must be earned in courses open only to graduate students and must include a research seminar.
2. A written comprehensive examination over the course work.

†The decision to pursue Plans B, Plan C, and Plan D may not be made prior to the completion of twelve hours of graduate study or at the close of one semester's residence as a full time graduate student.

\*The total hours include the credit allowance for the thesis and a maximum of six hours which may be taken in a cognate area with the approval of the Department.

Sit for a final oral examination before a committee composed of at least three faculty members chosen from the Sociology graduate faculty. The candidate's adviser or director of his research shall be one of the committee members. Success or failure in the oral examination will be determined by a majority of the examination committee. If a second examination is needed, the same committee shall, if at all possible, examine the candidate. There will be no third oral examination.

Written examinations may be required should a member of the graduate faculty, in whose courses the candidate has earned credit, believes such to be necessary.

A maximum of five (5) years will be allowed for completion of this degree.

## COURSE OFFERINGS

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

## HISTORY

**History 530. The Negro in American History. (3-0-3); I, II, III.**

The Negro's role in the social, economic, cultural and political development of the United States.

**History 540. Colonial America. (3-0-3); I.**

The nation from the Age of Discovery to the Revolutionary War.

**History 541. American Revolution and Federal Period. (3-0-3); II.**

A continuation of 540 covering the period from the American Revolution to the Era of Good Feelings.

**History 542. The Age of Jackson. (3-0-3); I.**

An analysis of national political and social movements of our westward trek, when America sought compromise and found civil war.

**History 543. The United States, 1876-1900. (3-0-3); II.**

Emphasis is placed upon the rise of big business with its resultant epoch of America as a world power.

**History 545. The United States, 1900-1939. (3-0-3); I, III.**

The American people from the Progressive Period through the New Deal.

**History 546. The United States, 1939-1970. (3-0-3); II, III.**

America from World War to world leadership. Emphasis is placed upon the resultant social problems.

**History 548. United States Foreign Relations. (3-0-3); I.**

A survey designed to acquaint the student with the foreign relations of the United States from its conception to our present role in the United Nations.

**History 549. Early American Social and Intellectual History. (3-0-3); I.**

From the beginning of American thought in Puritanism to the antislavery crusade and Civil War.

**History 550. The World, 1914-1939. (3-0-3); I.**

A study extending from the results of World War One to the outbreak of the Second World War with special emphasis on communism, facism and nazism.

**History 551. Modern American Social and Intellectual History. (3-0-3); II.**

The emergence of modern American society, from the rise of Social Darwinism to the protest movements of the present decade.

**History 552. The World, 1939 to the Present. (3-0-3); II, III.**

A detailed study of World War II and the aftermath of a world divided.

**History 555. European Intellectual History. (3-0-3); I.**

The stream of European thought from the French Revolution to the Atomic Age.

**History 556. American Urban History. (3-0-3); I.**

An examination of the rise of the American City from Colonial days to twentieth century ghettos.

**History 558. The Slavery Controversy. (3-0-3); I, III. (Formerly History 541).**

The issues growing out of differences concerning slavery within voluntary societies.

**History 560. Africa to 1900. (3-0-3); I.**

The basic developments of the African continent culminating in the establishment of the European colonial system.

**History 561. Africa Since 1900. (3-0-3); II.**

The European influences; the advance of nationalism; and the problems of independence.

**History 576. American History: Directed Readings. (One to three hours); I, II.**

Prerequisite: Open only to history majors and minors with permission of the Chairman.

**History 577. European History: Directed Readings. (One to three hours); I, II.**

Prerequisite: Open only to history majors and minors with permission of the Chairman.

**History 578. Non-Western History: Directed Readings. (One to three hours); I, II.**

Prerequisite: Open only to history majors and minors with permission of the Chairman.

**History 610. American Biography. (3-0-3); on demand.**

The characteristics of and services rendered by man and women who have played leading roles in the history of the nation.

**History 630. European Historiography. (3-0-3); on demand.**

The development of history as a written subject; the works of European historians from Herodotus to the contemporary scene.

**History 632. The French Revolution. (3-0-3); on demand.**

A study in detail of the causes, course and results of the French Revolutionary period.

**History 638. The Negro in the 20th Century. (3-0-3); on demand.**

The Negro's world from a sociological, economic, political and historical point of view.

**History 640. American Historiography. (3-0-3); on demand.**

An analysis of the works of prominent American historians from the colonial period to the present.

**History 643. Seminar: The United States—Formative Years, (1763-1815). (3-0-3); on demand.****History 644. Seminar: The Sectional Controversy, (1846-1876). (3-0-3); on demand.****History 645. Seminar: Twentieth Century United States. (3-0-3); on demand.****History 646. Seminar: Emerging America, (1876-1900). (3-0-3); on demand.****History 650. Seminar: Latin-America. (3-0-3); on demand.****History 652. Seminar: Nineteenth Century Europe. (3-0-3); on demand.****History 660. Seminar: The World in the 20th Century. (3-0-3); on demand.****History 698. Historical Criticism. (3-0-3); on demand.**

Required of all candidates for the A.M. in history, enrolled in option C or D.

**History 699. Thesis. (One to six hours); on demand.**

Required of all candidates for the A.M. in history, enrolled in option A or B.

## SOCIOLOGY

### **Sociology 501. Criminology. (3-0-3); I, II, III.**

Cause, treatment and prevention of crime.

### **Sociology 505. Sociological Theory. (3-0-3); I, II, III.**

Modern sociological theory, including an introduction to basic theoretical approaches to the study of society and a survey of contributions to the field by major theorists.

### **Sociology 525. The Community. (3-0-3); I, II.**

The general character of community relations in society; the structure and function of the community as a social system and the processes of balancing community needs and resources; the planned and unplanned social change.

### **Sociology 550. Research Methodology. (3-0-3); I, II, III.**

Methods of sociological research including the fundamental assumptions underlying research; some practical experience in research design, data collection, techniques, and data analysis.

### **Sociology 600. Independent Research. (Arranged); I, II.**

Qualified students may arrange with staff for individual work on some particular sociological problem. Credit hours will depend on the quality and quantity of achievement by the student.

### **Sociology 603. Appalachian Sociology. (3-0-3); I.**

A study of major Appalachian social institutions, including the family, religion, education, the economy and government; a survey of health and welfare institutions, major value orientations, population characteristics, and social change.

### **Sociology 610. Western Cultural Heritage. (3-0-3); I.**

Research course dealing with the contributions of ideas and technology made to western culture by earlier civilizations.

### **Sociology 620. Educational Sociology. (3-0-3); I.**

Contributions of sociology to understanding education as a social process. Sociological concepts and principles are used to point up crucial problems in education.

### **Sociology 650. Sociological Thought and Theory. (3-0-3); II.**

An intensive study of certain selected pioneer sociological theorists such as Weber, Durkheim, Marx and contemporary theorists.

## POLITICAL SCIENCE

### **Political Science 500. Pressure Groups and Politics. (3-0-3); I.**

Prerequisite: Political Science 141 or consent of the instructor.

Theory of interest groups; the role of interest groups in the political process; group ideology; techniques of political propaganda.

### **Political Science 535. Modern Asian Governments. (3-0-3); II.**

Background, development, ideologies and structure of Asian governments including Japan, China, India.

### **Political Science 541. Public Finance. (3-0-3); I. (See Economics 541).**

Public expenditures; public revenue; taxation; public credit; financial administration of government.

### **Political Science 544. The American Constitution. (3-0-3); I, II.**

Prerequisite: Political Science 141 or consent of the instructor.

Sources of American heritage in the evolution of constitutionalism; interpretation of principles and precedents in such fields as civil rights, federal-state relationships.

### **Political Science 546. Public Personnel Administration. (3-0-3); II.**

Prerequisite: Political Science 548 or consent of the instructor.

Manpower utilization; concepts, principles and practices of the merit system; leadership; decision-making process; motivation of public employees.

### **Political Science 548. Public Administration. (3-0-3); I.**

Prerequisite: Political Science 141 or consent of the instructor.

Historical evolution; theory of organization and administration; personnel, financial, and legal aspects of public administration.

### **Political Science 550. International Relations. (3-0-3); I, II, III.**

Prerequisite: Political Science 141 or consent of the instructor.

Survey of interstate relationships in theory and practice; concepts of power and its application; machinery of foreign policy making and enforcement; world politics and law; the world community.

### **Political Science 555. Internship in Public Affairs. (Four hours).**

Prerequisite: Consent of the instructor.

On-the-job work-study experience in government.

**Political Science 600. Seminar: State and Local Government.**  
(3-0-3); on demand.

Prerequisites: Political Science 141 and 242 or consent of the instructor.

Intensive and detailed study of state and local government; problems of metropolitan areas; interstate and local cooperation; compacts and regional planning.

**Political Science 610. Development of American Democracy.**  
(3-0-3); on demand.

Prerequisite: Political Science 141 or consent of the instructor. Ideas, institutions, customs and experiences in the development of American democracy as well as European influences.

**Political Science 620. Seminar: International Relations.**  
(3-0-3); on demand.

Prerequisite: Political Science 550 or consent of the instructor. Training in methodology and use of the tools for individual research in international relations. Emphasis on Europe, Asia, Latin America, and Africa.

**Political Science 625. Comparative Political Systems.**  
(3-0-3); on demand.

Prerequisites: Political Science 330 or permission of the instructor.

An examination, on a comparative basis, of existing governmental systems: Liberal Democratic states, Totalitarianism, and Third World states.

**Political Science 630. Contemporary World Problems.**  
(3-0-3); on demand.

Historical, physical, cultural and political factors underlying current international issues; the United Nations, and other contemporary international agencies and arrangements.

**Political Science 650. American Chief Executives.**  
(3-0-3); on demand.

Prerequisite: Political Science 141, 242, or consent of the instructor.

Analysis of executive position and leadership in federal, state, and local governments.

**Political Science. Special Problems in Political Science.**  
(One to three hours); on demand.

Prerequisite: Consent of the instructor.

Original graduate research project or readings in a particular subject area. Classes arranged for studying a particular problem.

## GEOGRAPHY

**Geography 500. Soviet Union. (3-0-3); I.**

Systematic and regional study, with special attention given to the resource base. Appraisal of the agricultural and industrial strength of the country; consideration of the effects of governmental policy and economic growth.

**\*Geography 505. Conservation of Natural Resources.**  
(3-0-3); on demand.

Natural resources basic to human welfare; emphasis on lands, water, minerals, forests, and wildlife including their interrelationships.

**\*Geography 510. Urban Geography. (3-0-3); II.**

Origin and development of cities, urban ecology, central place theory, functional classifications, and a consideration of site, situation, and land utilization of selected cities.

**Geography 515. Seminar. Geography Field Tour. (0-0-3); on demand.**

Geographic reconnaissance of selected regions. Directed reading and briefing sessions followed by lecture and observation in the field; interpretation and analysis for a written report.

**\*Geography 540. World Manufacturing. (3-0-3); on demand.**

Interpretive analysis of the distribution and function of selected manufacturing industries; location theory; trends in regional industrial changes.

**\*Geography 590. Advanced Meteorology. (3-0-3); II.**

Prerequisite: Geography 390.

Weather elements; emphasis on meteorological skills; application to industrial, aviation, maritime, and military needs.

**Geography 600. Political Geography. (3-0-3); on demand.**

Recognition of content and concepts of political geography; basic factors in evaluating strength of a nation; application of these understandings to world political patterns.

**Geography 601. Special Problems. (3-0-3); on demand.**

Prerequisite: Permission of the instructor.

Supervised, comprehensive investigation of selected problems in the field of geography. (May be repeated to a maximum of six hours.)

**Geography 623. Southeast Asia. (3-0-3); on demand.**

Geopolitical, socio-economic, and resource potential problems of the countries of Southeast Asia.

\*Indicates Systematic Geography courses.



**Geography 629. The Mediterranean. (3-0-3); on demand.**

The Mediterranean Sea as a focal point of Western culture; emphasis on the related areas of three continents; Southern Europe, Northern Africa, and South-western Asia.

**Geography 640. Resources and Industries. (3-0-3); on demand.**

The resource base, nature, structure, and distribution of industry and its function in a national economy.

## **SOCIAL WELFARE**

**Social Welfare 508. Community Organization for Social Welfare. (3-0-3); I, II, III.**

Methods and techniques for improving communities through processes of community development, social planning, and social action.

**Social Welfare 510. Practicum in Social Work. (3-0-3); I, II.**

Actual work experiences in the various agencies of Social Welfare Services under the supervision of a trained and certified professional worker. Comparable to student teaching in professional education.

**Social Welfare 520. Public Welfare Administration. (3-0-3); I, II.**

The history, nature, organizational structure, and philosophy of the administration of public programs for income maintenance and other welfare services; consideration of the role of voluntary agencies.

**Social Welfare 530. Issues and Principles of Social Work. (3-0-3); II.**

An analysis of basic issues and principles underlying social welfare services.

**Social Welfare 540. Gerontology: Problems and Services to the Aging. (3-0-3); II.**

Prerequisite: Social Welfare 210. May be waived for graduate students.

A course designed to provide the student with a knowledge of the special factors involved in the Aging Process as well as the social work techniques designed to aid such individuals to cope with the changes inherent in the aging process.



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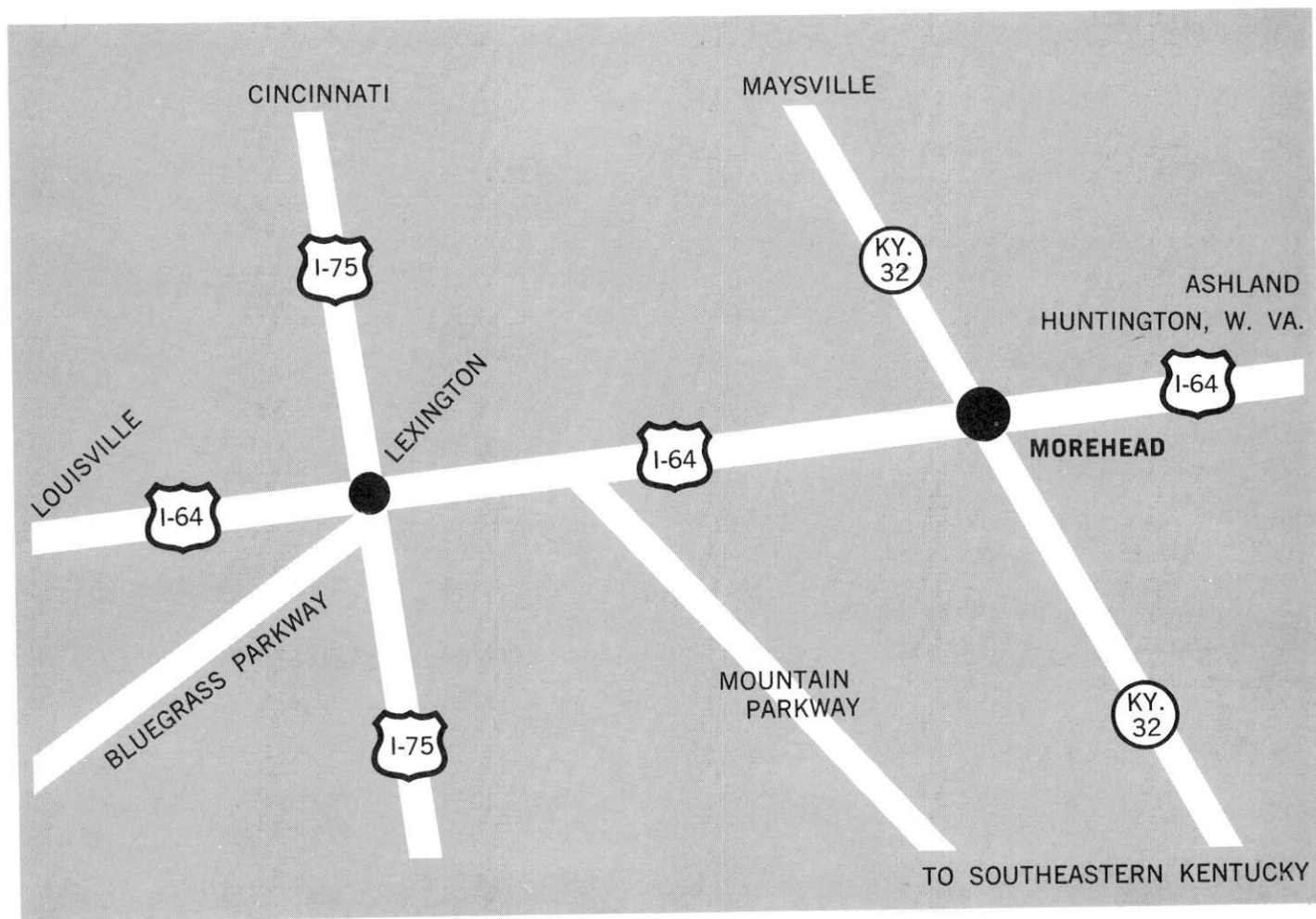
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— The Greyhound Bus Company provides service from the east and west with north and south connections.