1989-91 Catalog

Eastern Kentucky University

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# Eastern Kentucky University Undergraduate Catalog 1989-1991

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This publication was prepared by Eastern Kentucky University and paid from state funds.

EASTERN KENTUCKY UNIVERSITY
Accreditations and Memberships

ACCREDITATIONS

EASTERN KENTUCKY UNIVERSITY IS ACCREDITED
BY THE COMMISSION ON COLLEGES OF THE SOUTHERN
ASSOCIATION OF COLLEGES AND SCHOOLS
TO AWARD ASSOCIATE, BACCALAUREATE, MASTERS,
AND SPECIALIST IN EDUCATION DEGREES.

American Chemical Society
American Medical Association/Committee on Allied Health
   Education and Accreditation:
   Emergency Medical Technician/Paramedic
      (Associate Degree Program)
Medical Assisting Technology
      (Associate Degree Program)
Medical Laboratory Technician
      (Associate Degree Program)
Medical Record Science
      (Associate and Baccalaureate Degree Programs)
Medical Technology
      (Baccalaureate Degree Program)
Occupational Therapy
      (Baccalaureate Degree Program)
American Speech-Language-Hearing Association
   Public Services Board (Clinic)
   Education and Training Board (Graduate Degree Program)
Council on Social Work Education
Foundation for Interior Design Education and Research
   (Baccalaureate Degree Program)
National Association for the Education of Young Children
National Association of Industrial Technology
National Association of Schools of Music
National Association of Schools of Public Affairs and
   Administration
      (Master of Public Administration Degree Program)
National Athletic Trainers Association
National Council for the Accreditation of Environmental Health
   Curricula
National Council for Accreditation of Teacher Education
National League for Nursing
      (Associate and Baccalaureate Degree Programs)
National Recreation and Park Association/American Associa-
   tion of Leisure and Recreation Joint Council on Accredi-
   tation

PROGRAMS, AS NOTED BELOW, ARE APPROVED
BY ACCREDITING AGENCIES.
American Bar Association
   Paralegal
      (Associate and Baccalaureate Degree Programs)
The American Dietetics Association
   General Dietetics
      (Baccalaureate Degree Program)
Association of Graduate Faculties in Public Health
   Community Nutrition
      (Master of Science Degree Program)

Council of Applied Masters Programs in Psychology
   Clinical and School Psychology
      (Master of Science Degree Programs)
Kentucky Department of Education
   School Psychology
      (Master of Science Degree Program)

MEMBERSHIPS

Academy of Criminal Justice Services
American Assembly of Collegiate Schools of Business
American Association of Allied Health Professions
American Association of Colleges of Nursing
American Association of Colleges for Teacher Education
American Association of Collegiate Registrars and Admission
   Officers
American Association for Paralegal Education
American Association of State Colleges of Agriculture and
   Renewable Resources
American Association of State Colleges and Universities
American Association of University Women
American College Health Association
American Conference of Academic Deans
American Council on Education
American Historical Association
American Home Economics Association
American Hospital Association
American Political Science Association
American Society of Human Genetics
American Technical Education Association
American Theatre Association
Associated Schools of Construction
Association of Administrators of Home Economics
Association of Collegiate Business Schools and Programs
Association of Departments of English
Association for General and Liberal Studies
Association of Governing Boards of Universities and Schools
Association of Graduate Faculties in Public Health Nutrition
Association of Schools of Journalism and Mass Communication
Broadcast Education Association
Conference of Southern Graduate Schools
Council for Advancement and Support of Education
Council of Colleges of Arts and Sciences
Council of Graduate Departments of Psychology
Council of Graduate Schools in the United States
Council on Social Work Education
International Technology Education Association
National Association for Business Teacher Education
National Association for the Exchange of Industrial Resources
National Association for Foreign Student Affairs
National Association of Advisors for the Health Professions
National Association of Colleges and Teachers of Agriculture
National Association of College and University Attorneys
National Association of Industrial Technology
National Association of School Music Dealers, Inc.
National Association of Schools of Music
National Association of Schools of Public Affairs and Administration
National Association of Student Financial Aid Administrators
National Association of Student Personnel Administrators
National Collegiate Athletic Association
National Commission for Cooperative Education
National Faculty Exchange
National Intramural Recreation Association
National League for Nursing
National Recreation and Park Association
National University Continuing Education Association
Southeastern Association of Advisors for the Health Professions
Southern Association of Colleges and Schools, Inc.
Southern Association of Community and Junior Colleges
Southern Council on Collegiate Education for Nursing
Southern Regional Education Board
University Aviation Association

All statements in this publication are announcements of present policy only and are subject to change at any time without prior notice. They are not to be regarded as offers to contract.

Eastern Kentucky University is an Equal Opportunity-Affirmative Action employer and does not discriminate on the basis of age, race, color, religion, sex, handicap, or national origin in the admission to, or participation in, any educational program or activity which it conducts, or discriminate on such basis in any employment opportunity. Any complaint arising by reason of alleged discrimination shall be directed in writing to the Affirmative Action Officer, Million House, Eastern Kentucky University, Richmond, KY 40475, telephone number (606) 622-1258. The Board of Regents of Eastern Kentucky University does hereby reaffirm that neither race, nor creed, nor color, nor sex, nor handicap shall be a criterion for admission to any part of any program or activity conducted by Eastern Kentucky University. Eastern Kentucky University is an Equal Opportunity Affirmative Action educational institution.
# University Calendar

## FALL SEMESTER 1989

<table>
<thead>
<tr>
<th>August</th>
<th>20</th>
<th>Residence halls open, 12:00 noon.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>21</td>
<td>Wrap-up registration period begins.</td>
</tr>
<tr>
<td></td>
<td>22</td>
<td>Wrap-up registration period ends.</td>
</tr>
<tr>
<td></td>
<td>23</td>
<td>Schedule change (&quot;Drop-Add&quot;) period begins.</td>
</tr>
<tr>
<td></td>
<td>24</td>
<td>Day and evening classes begin as scheduled.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Late registration period begins.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Evening registration period begins, 4:15-6:00 p.m.</td>
</tr>
<tr>
<td></td>
<td>29</td>
<td>Late registration and schedule change periods for day classes end.</td>
</tr>
<tr>
<td></td>
<td>30</td>
<td>Evening registration and schedule change periods for evening classes end.</td>
</tr>
<tr>
<td>September</td>
<td>4</td>
<td>Holiday. No classes.</td>
</tr>
<tr>
<td>October</td>
<td>9</td>
<td>Holiday. No classes.</td>
</tr>
<tr>
<td></td>
<td>18</td>
<td>Last day to drop a full-semester class or to withdraw from the University.</td>
</tr>
<tr>
<td>November</td>
<td>21</td>
<td>Holiday begins at 6:00 p.m. No evening classes.</td>
</tr>
<tr>
<td></td>
<td>27</td>
<td>Classes resume.</td>
</tr>
<tr>
<td>December</td>
<td>6</td>
<td>&quot;Pre-Final Examination Period&quot; begins.</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>Classes end.</td>
</tr>
<tr>
<td></td>
<td>13</td>
<td>Final examination period begins.</td>
</tr>
<tr>
<td></td>
<td>15</td>
<td>Recognition reception for candidates completing degree requirements during the Fall Semester 1989.</td>
</tr>
<tr>
<td></td>
<td>19</td>
<td>Final examination period ends.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fall semester ends.</td>
</tr>
</tbody>
</table>

## SPRING SEMESTER 1990

<table>
<thead>
<tr>
<th>January</th>
<th>7</th>
<th>Residence halls open, 12:00 noon.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8</td>
<td>Wrap-up registration period begins.</td>
</tr>
<tr>
<td></td>
<td>9</td>
<td>Wrap-up registration period ends.</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>Schedule change (&quot;Drop-Add&quot;) period begins.</td>
</tr>
<tr>
<td></td>
<td>11</td>
<td>Day classes begin as scheduled.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Late registration period begins.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Evening registration period begins, 4:15-6:00 p.m.</td>
</tr>
<tr>
<td></td>
<td>15</td>
<td>Holiday. No classes.</td>
</tr>
<tr>
<td></td>
<td>16</td>
<td>Evening classes begin.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Evening registration period begins, 4:15-6:00 p.m.</td>
</tr>
<tr>
<td></td>
<td>17</td>
<td>Late registration and schedule change periods for day classes end.</td>
</tr>
<tr>
<td></td>
<td>22</td>
<td>Evening registration and schedule change periods for evening classes end.</td>
</tr>
<tr>
<td>February</td>
<td>19</td>
<td>Holiday. No classes.</td>
</tr>
<tr>
<td>March</td>
<td>7</td>
<td>Last day to drop a full-semester class or to withdraw from the University.</td>
</tr>
<tr>
<td></td>
<td>14</td>
<td>Mid-semester grade reports due to the Registrar.</td>
</tr>
<tr>
<td></td>
<td>18</td>
<td>Spring break begins.</td>
</tr>
<tr>
<td></td>
<td>26</td>
<td>Classes resume.</td>
</tr>
<tr>
<td>April</td>
<td>27</td>
<td>&quot;Pre-Final Examination Period&quot; begins.</td>
</tr>
<tr>
<td>May</td>
<td>3</td>
<td>Classes end.</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>Final examination period begins.</td>
</tr>
<tr>
<td></td>
<td>11</td>
<td>Final examination period ends, 10:00 a.m.</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>Commencement exercises, 1:30 p.m.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Spring semester ends.</td>
</tr>
</tbody>
</table>

## INTERSESSION 1990

<table>
<thead>
<tr>
<th>May</th>
<th>14</th>
<th>Classes begin as scheduled.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Registration period ends.</td>
</tr>
<tr>
<td></td>
<td>25</td>
<td>Last day to withdraw from Intersession.</td>
</tr>
<tr>
<td></td>
<td>28</td>
<td>Holiday. No classes.</td>
</tr>
<tr>
<td>June</td>
<td>8</td>
<td>Intersession ends.</td>
</tr>
</tbody>
</table>
### SUMMER SESSION 1990

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 10</td>
<td>Residence halls open, 12:00 noon.</td>
</tr>
<tr>
<td>June 11</td>
<td>Wrap-up registration period begins.</td>
</tr>
<tr>
<td>June 12</td>
<td>Classes begin as scheduled.</td>
</tr>
<tr>
<td>July 4</td>
<td>Holiday. No classes.</td>
</tr>
<tr>
<td>August 2</td>
<td>Last day to drop a full-session class.</td>
</tr>
<tr>
<td>August 3</td>
<td>Commencement exercises.</td>
</tr>
<tr>
<td>August 3</td>
<td>Summer session ends.</td>
</tr>
</tbody>
</table>

### FALL SEMESTER 1990

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 19</td>
<td>Residence halls open, 12:00 noon.</td>
</tr>
<tr>
<td>August 20</td>
<td>Wrap-up registration period begins.</td>
</tr>
<tr>
<td>August 21</td>
<td>Wrap-up registration period ends.</td>
</tr>
<tr>
<td>August 22</td>
<td>Schedule change (&quot;Drop-Add&quot;) period begins.</td>
</tr>
<tr>
<td>August 23</td>
<td>Day and evening classes begin as scheduled.</td>
</tr>
<tr>
<td>September 3</td>
<td>Holiday. No classes.</td>
</tr>
<tr>
<td>October 8</td>
<td>Holiday. No classes.</td>
</tr>
<tr>
<td>November 20</td>
<td>Holiday begins at 6:00 p.m. No evening classes.</td>
</tr>
<tr>
<td>December 5</td>
<td>&quot;Pre-Final Examination Period&quot; begins.</td>
</tr>
<tr>
<td>December 11</td>
<td>Classes end.</td>
</tr>
<tr>
<td>December 12</td>
<td>Final examination period begins.</td>
</tr>
<tr>
<td>December 14</td>
<td>Recognition reception for candidates completing degree requirements during the Fall Semester 1990.</td>
</tr>
<tr>
<td>December 18</td>
<td>Final examination period ends.</td>
</tr>
<tr>
<td>December 18</td>
<td>Fall semester ends.</td>
</tr>
</tbody>
</table>

### SPRING SEMESTER 1991

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 6</td>
<td>Residence halls open, 12:00 noon.</td>
</tr>
<tr>
<td>January 7</td>
<td>Wrap-up registration period begins.</td>
</tr>
<tr>
<td>January 8</td>
<td>Wrap-up registration period ends.</td>
</tr>
<tr>
<td>January 9</td>
<td>Schedule change (&quot;Drop-Add&quot;) period begins.</td>
</tr>
<tr>
<td>January 10</td>
<td>Day classes begin as scheduled.</td>
</tr>
<tr>
<td>February 18</td>
<td>Holiday. No classes.</td>
</tr>
<tr>
<td>March 6</td>
<td>Last day to drop a full-semester class or to withdraw from the University.</td>
</tr>
<tr>
<td>March 13</td>
<td>Mid-semester grade reports due to the Registrar.</td>
</tr>
<tr>
<td>March 17</td>
<td>Spring break begins.</td>
</tr>
<tr>
<td>April 26</td>
<td>&quot;Pre-Final Examination Period&quot; begins.</td>
</tr>
<tr>
<td>May 2</td>
<td>Classes end.</td>
</tr>
<tr>
<td>May 3</td>
<td>Final examination period begins.</td>
</tr>
<tr>
<td>May 10</td>
<td>Final examination period ends, 10:00 a.m.</td>
</tr>
<tr>
<td>May 11</td>
<td>Commencement exercises, 1:30 p.m.</td>
</tr>
<tr>
<td>May 11</td>
<td>Spring semester ends.</td>
</tr>
</tbody>
</table>
### INTERSESSION 1991

<table>
<thead>
<tr>
<th>Month</th>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>May</td>
<td>13</td>
<td>Classes begin as scheduled. Registration period ends.</td>
</tr>
<tr>
<td></td>
<td>24</td>
<td>Last day to withdraw from Intersession.</td>
</tr>
<tr>
<td>June</td>
<td>7</td>
<td>Intersession ends.</td>
</tr>
</tbody>
</table>

### SUMMER SESSION 1991

<table>
<thead>
<tr>
<th>Month</th>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>June</td>
<td>9</td>
<td>Residence halls open, 12:00 noon.</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>Wrap-up registration period begins.</td>
</tr>
<tr>
<td></td>
<td>11</td>
<td>Classes begin as scheduled. Late registration and schedule change periods begin.</td>
</tr>
<tr>
<td>July</td>
<td>4</td>
<td>Holiday. No classes.</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>Last day to drop a full-session class.</td>
</tr>
<tr>
<td>August</td>
<td>1</td>
<td>Commencement exercises.</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>Summer session ends.</td>
</tr>
</tbody>
</table>
THAT'S ONE SMALL STEP FOR A MAN,
ONE GIANT LEAP FOR MANKIND.
Introduction

Eastern Kentucky University is a regional coeducational public institution of higher education offering general and liberal arts programs, pre-professional and professional training in education and various other fields at both the undergraduate and graduate levels. Located in Richmond, Madison County, Kentucky, Eastern has a distinguished record of more than eight decades of educational service to the Commonwealth.

Situated near the heart of the Bluegrass, Richmond is served by a network of major highways which makes Eastern easily accessible from all parts of Kentucky and surrounding states. Richmond is 26 miles southeast of Lexington, Kentucky. Interstate Highways 1-75 (north-south) and I-64 (east-west) make the metropolitan areas of Cincinnati, 112 miles to the north, and Louisville, 110 miles to the west, within convenient distance by automobile. Richmond is also served by U.S. Route 25 from Southeastern Kentucky and University Route 52 from the east and west. The Kentucky Turnpike and the Mountain, Daniel Boone, and Cumberland Parkways provide even greater accessibility by automobile since the city is located near the convergence of these arterial highways into the interstate system.

Richmond, the county seat of Madison County, is an expanding community of approximately 28,000 population. Served by fine churches representing most Christian faiths, the community provides an excellent environment for the University student. In and around Richmond are many areas of historic and scenic interest. Boonesborough State Park, birthplace of Kentucky, is located 12 miles to the north. Many other historical places are within easy driving distance. Scenic and recreational areas surround this section of the state.

History

The Kentucky General Assembly of 1906 enacted legislation establishing the Eastern Kentucky State Normal School. Governor J. C. Beckham signed the bill into law on March 21, 1906. On May 7 of that year, the Normal School Commission, meeting in Louisville, selected the campus of the old Central University, founded in 1874, in Richmond, Kentucky, as the site of the new school. On June 2, 1908, Ruric Nevel Roark was chosen President of the Normal School and the training of teachers was begun.

In 1922, Eastern became a four-year institution known as the Eastern Kentucky State Normal School and Teachers College. The first degrees were awarded by this institution in 1925. In 1928, the College was accredited by the Southern Association of Colleges and Secondary Schools. In 1930, the General Assembly renamed the school the Eastern Kentucky State Teachers College.

In 1935, a graduate program was approved at Eastern, leading to the Master of Arts degree in Education. In 1948, the General Assembly removed the word "Teachers" from the name of the college and granted the college the right to award nonprofessional degrees.

The most significant day since its founding came for Eastern on February 26, 1968, when Governor Edward T. Breathitt signed into law a bill renaming the institution Eastern Kentucky University and sanctioning the awarding of graduate degrees in academic fields other than education.

During this period of time, Eastern Kentucky University has increased rapidly in size and stature. Beginning with a few students engaged in short review and certificate courses, the University today serves thousands of Kentuckians. The curriculum leads to associate degrees, baccalaureate degrees, and an expanding graduate program that currently offers degrees at the master's level in many other fields as well as the already well-established Master of Arts degree in Education and the various fifth- and sixth-year leadership programs in education. Specialist degree programs have been implemented in education and technology. In addition to these programs, Eastern offers joint doctoral programs with cooperating institutions.

Ever-mindful of the purpose of its founding, Eastern continues to recognize its historic function of preparing quality teachers for the elementary and secondary schools of the Commonwealth. However, a strong liberal arts curriculum leading to appropriate degrees, together with pre-professional courses in several areas and graduate programs, enable Eastern to serve the Commonwealth as a regional university.

Purpose

Within its statutory responsibilities, Eastern Kentucky University seeks to provide intellectual and cultural opportunities which will develop habits of scholarship and intellectual curiosity; provide a deep understanding of American democracy and
the citizen’s role in maintaining its strength and vitality; impart an understanding of humans and their aspirations; enable effective and efficient communication; and prepare productive and responsible citizens. The University will remain responsive and flexible in order to serve in unique and needed ways.

Within these general responsibilities and purposes, the University has three specific functions—teaching, public service, and research—and places emphasis on the three in this order. Through its colleges and schools, the University seeks to offer quality instruction at a variety of degree levels in general education, the arts, the sciences, business, education, pre-professional and professional areas, and applied and technical disciplines. Through consultative services, continuing education, and the extended campus, the University seeks to provide service to the community and the region. Research seeks both to advance knowledge in the subject matter areas with which the University is concerned and to support the primary function of teaching.

Mission Statement

Eastern Kentucky University shall serve as a residential, regional university offering a broad range of traditional programs to the people of central, eastern, and southeastern Kentucky. Recognizing the needs of its region, the University should provide programs at the associate and baccalaureate degree levels, especially programs of a technological nature. Subject to demonstrated need, selected master’s degree programs should be offered, as well as the specialist programs in education. The elimination of duplicative or non-productive programs is desirable, while development of new programs compatible with this mission is appropriate.

The University should continue to meet the needs in teacher education in its primary service region and should provide applied research, service, and continuing education programs directly related to the needs of its primary service region.

Because of the University’s proximity to other higher education and post-secondary institutions, it should foster close working relationships and develop articulation agreements with those institutions. The University should develop cooperative applied research and teaching programs using resources such as Lilley Comett Woods and Pilot Knob Sanctuary, and Maywoods.

Institutional Goals

The following institutional goals have been adopted by the Board of Regents: (1) To be a comprehensive, public, residential university for the Commonwealth of Kentucky; (2) To provide an environment for learning and individual development of the highest possible quality; (3) To provide access to higher education for citizens of the Commonwealth of Kentucky through reasonably open admission policies and relatively low student cost; (4) To maintain an adequate enrollment of out-of-state residents and foreign nationals to enrich the educational experience for all students while emphasizing the enrollment of Kentucky students; (5) To support the non-discrimination policy of the Board of Regents and to meet or exceed the goals of the Commonwealth’s plan for desegregation of higher education; (6) To offer associate degree programs which are based on student interest and/or societal needs, which are integrated when appropriate with baccalaureate degree programs for individuals preparing themselves in a university setting, and which contain a general education component; (7) To offer baccalaureate and pre-professional programs based on student interests and/or societal needs with a strong general education program as a component of each degree program; (8) To offer graduate programs based on student interest and/or societal needs which provide advanced study through instruction and research, strengthen the disciplines, and contribute to the total research effort of the institution; (9) To provide for individuals and agencies those public services and continuing education opportunities which are compatible with university programs; (10) To support and encourage research as an important scholarly activity, recognizing its contribution to effective teaching and learning, its value to the knowledge of the disciplines, and its value to public service; (11) To manage and protect for posterity and to make available for instruction research and public use, selected natural areas that are unique or valuable for their biological, physical, and historical significance; (12) To provide for the university community and general public a center for a broad range of cultural, popular, and other enrichment activities in order to promote artistic and cultural awareness, scholarly pursuits, the free exchange of ideas, and critical thinking; (13) To provide support services which promote the development and well being of the members of the university community; and (14) To be solvent and financially accountable to appropriate agencies.

COLLEGE OF ALLIED HEALTH AND NURSING

The College of Allied Health and Nursing has the purposes: (1) to provide high quality programs at the undergraduate and graduate levels for individuals who wish to pursue a health profession; (2) to assist the student in recognizing the need for accountability to the various “publics” within the health care system; (3) to provide information and consultation to the community and the professions for planning and development of quality health services; (4) to encourage development of learning experiences that will enhance the team concept in health care and the principles of lifelong learning; (5) to provide opportunities, instruction and guided experiences by which students may gain the basic knowledge and skills essential to the practice of their respective profession; (6) to provide career guidance that will attract high quality students who will find a rewarding career in the health care field; (7) to investigate societal needs for health care and patterns of effective delivery; (8) to encourage students and graduates to make meaningful contributions towards the promotion of health and prevention of disease and disability; (9) to provide for career mobility and continuing education within the various health professions; and (10) to ensure the admission process supports the non-discrimination policy.

COLLEGE OF APPLIED ARTS AND TECHNOLOGY

The College of Applied Arts and Technology has the purposes: (1) to provide selected instructional programs for the preparation of people for careers in the applied arts and technologies; (2) to offer associate degree, baccalaureate degree, and pre-professional programs that meet the students’ needs and interests; (3) to foster the career-ladder concept by providing opportunities for students enrolled in, or completing the associate (two-year) degree programs, to transfer to a corresponding baccalaureate degree program within the same department with little or no loss of credits; (4) to offer graduate programs that meet students’ needs; and interests; (5) to provide a program of academic advising for students majoring in programs within the College; (6) to provide selected general education courses; (7) to provide academic specialization for students in teacher certification programs and supporting courses for students majoring in other fields; (8) to encourage the development of interdisciplinary programs/courses, both inter-college and intra-college in nature; (9) to serve the community and region through public service; (10) to contribute to the professional growth of individuals in their careers; (11) to encourage the improvement of the teaching-learning relation-
ship through improvement of instruction, effective utilization of available resources, and through academic program review and evaluation; and (12) to support, encourage and engage in scholarly activities which contribute to the primary function of teaching, to the advancement of the discipline, and to the strengthening of public service.

COLLEGE OF ARTS AND HUMANITIES

The College of Arts and Humanities has the purposes: (1) to provide courses of study for academic majors in the arts and humanities and to offer programs to prepare students for professional and pre-professional fields; (2) to provide leadership in its areas of general education, appropriate general education courses, and an interdisciplinary program in general education; (3) to provide a program of academic advising for students majoring in programs within the college; (4) to provide academic specialization for students in teacher certification programs and to provide supporting courses for students majoring in other fields; (5) to encourage the development of interdisciplinary programs/courses, both inter- and intra-college in nature; (6) to encourage the improvement of instruction, utilization of available resources, and through the community and region through public service and to engage in research to advance knowledge and enhance the primary function of instruction.

COLLEGE OF BUSINESS

The College of Business has the purposes: (1) to offer a wide range of business-oriented, academic programs which will prepare graduates to enter both the private and public sectors of our economy. To accomplish this degree, programs will be offered at graduate, baccalaureate, and associate levels; (2) to maintain a high quality of instruction; (3) to encourage academically-able students; (4) to encourage cross-cultural exchanges; (5) to offer business related public services and continuing educational opportunities; and (6) to encourage research related to business disciplines.

COLLEGE OF EDUCATION

The College of Education has the purposes: (1) to provide courses of study for academic majors in education, including certification programs for teachers and other supporting school personnel, and programs for related human services personnel; (2) to provide the academic and field experiences necessary for students to function effectively in a culturally diverse society; (3) to provide academic and field experiences in preparing teachers to ensure that all children receive their education in the least restrictive setting; (4) to provide a program of academic advising for students majoring in programs within the college; (5) to cooperate with the other colleges in the programs of students in teacher certification programs; (6) to encourage the development of inter-disciplinary programs/courses, both inter- and intra-college in nature; (7) to encourage the improvement of the teaching-learning relationship through improvement of instruction, utilization of available resources, and through academic program review and evaluation; (8) to serve the community and region by working cooperatively with their school systems; and (9) to engage in research to advance knowledge and enhance the primary function of instruction.

COLLEGE OF HEALTH, PHYSICAL EDUCATION, RECREATION, AND ATHLETICS

The College of Health, Physical Education, Recreation, and Athletics has the purposes: (1) to provide quality teaching and an atmosphere that is conducive to learning; (2) to provide a program of academic advising for students majoring in programs within the college; (3) to provide selected general education courses; (4) to offer associate, baccalaureate, graduate, and non-degree programs that meet students' interests and needs; (5) to cooperate with other colleges in offering degree and non-degree programs that meet students' interests and needs; (6) to provide leisure and academic services to the University; (7) to provide public services in faculty areas of expertise; (8) to support and engage in research which contributes to quality teaching and learning, to improvement of various disciplines, and to needed public service; (9) to promote high level wellness as a way of life; and (10) to provide intercollege athletic teams in a variety of sports which are open to students of diverse backgrounds and behooving to an NCAA division I level of competition.

COLLEGE OF LAW ENFORCEMENT

The College of Law Enforcement has the purposes: (1) to prepare citizens for productive citizenship roles; (2) to prepare personnel for positions in the private and public safety sectors of society; (3) to prepare personnel for teaching in one of the fields within each departmental area; (4) to conduct research in the broad areas contained within each departmental program; and (5) to provide service programs pertinent to the broad areas contained within each departmental program.

COLLEGE OF NATURAL AND MATHEMATICAL SCIENCES

The College of Natural and Mathematical Sciences strives to accomplish the following goals: (1) to provide academic programs in the natural and mathematical sciences leading to master and baccalaureate degrees and to offer courses programs to prepare students for pre-professional and professional fields; (2) to provide academic specialization for students in the teacher education programs at both the undergraduate and graduate levels; (3) to provide supporting, general education, developmental, and elective courses in the natural and mathematical sciences for all students in the University; (4) to provide academic leadership in mathematics and the sciences; (5) to provide a program of academic and career advising for students majoring in programs within the College; (6) to encourage the improvement of the teaching-learning relationship through improvement of instruction, efficient utilization of available resources, review and evaluation of academic programs, and opportunities for professional development; (7) to provide all students enrolled in courses in the natural and mathematical sciences with access to up-to-date laboratory field equipment and computer assisted instruction on an individualized basis as an extension of natural and mathematical science courses and research efforts; (8) to encourage the development of interdisciplinary courses and programs, both inter- and intra-college in nature; (9) to engage in research to advance knowledge in the natural and mathematical sciences and to enhance the College's primary function of instruction; (10) to serve the local community, region, and the Commonwealth through public service; (11) to support and utilize the University's natural areas as sites for advancement of scientific knowledge in the ecological and environmental disciplines of the natural sciences; and (12) to cooperate with all educational institutions in disseminating information and providing mutual support in attaining the highest possible quality courses and programs in the natural and mathematical sciences.

COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES

The College of Social and Behavioral Sciences has the purposes: (1) offering high quality courses and programs in the social and behavioral sciences, and for professional and pre-
professional fields; (2) providing leadership in the social science area of the University general education program; (3) encouraging the development of interdisciplinary courses and programs; (4) offering academic specialization areas for students in teacher certification programs, as well as supporting courses for students majoring in other disciplines; (5) providing a program of academic advising; (6) encouraging the improvement of the teaching and learning; (7) engaging in research to advance knowledge and enhance instruction; and (8) serving the community and region through public service.

OFFICE OF ACADEMIC SUPPORT AND UNDERGRADUATE STUDIES
The Office of Academic Support and Undergraduate Studies coordinates the delivery of those services that support the academic pursuits of undergraduate students, such as admission, orientation, advising and registration, and career planning. In addition, it coordinates campus-wide undergraduate academic programs, including those in general education, cooperative education, international education, and developmental studies. The dean for Academic Support and Undergraduate Studies serves as chair of the University General Education Committee.

OFFICE OF COMMUNITY COLLEGE
The Office of Community College Programs has the following four basic functions: (1) to assist in the development, coordination, and promotion of high quality instruction in a variety of technical, business, semi-professional, and service-oriented professions below the baccalaureate level; (2) to provide a centralized source of information and coordinate the dissemination of information on all programs offered within the University below the baccalaureate level; (3) to coordinate liaison between the University, and the community and junior colleges within the state and region; and (4) to administer the special program of "student readmission" into associate degree programs.

OFFICE OF GRADUATE STUDIES AND RESEARCH
The Office of Graduate Studies and Research provides leadership in the administration of graduate education, extended campus programs, and university-wide research. The Graduate School has as its basic purpose the administrative responsibility of all programs beyond the baccalaureate level at the University. It is charged: (1) to provide coordination between the colleges in the development of the University's graduate offering; (2) to act as a central source of information; (3) to recruit, admit and register students in advanced programs; (4) to oversee the advising of graduate students; and (5) to coordinate the University's program of graduate assistantships.
Expenses

Since registration and other fees and residence hall room rentals are subject to change periodically, no attempt is made in this publication to itemize these costs. This information is available from the Division of Admissions prior to the beginning of each academic year.

Policy on Classification of Students for Admission and Fee Assessment Purposes

SECTION 1. PURPOSE. The Commonwealth of Kentucky employs residency requirements in various ways to determine voting rights, income tax liability, employment in certain occupations, etc., and the requirements vary in form and substance for each of these uses. The purpose of this policy is to establish a process and corresponding criteria for the residency classification of students seeking admission to, or enrolled in, public institutions of higher education. Furthermore, it is the intent of the Council on Higher Education that this policy be interpreted and applied in an uniform manner, as described herein, in determining whether students shall be classified as residents or nonresidents for admission and fee assessment purposes.

RATIONALE. Public institutions of higher education were established and are maintained by the Commonwealth primarily for the benefit of qualified residents of Kentucky. The substantial commitment of public resources to higher education is predicated upon the proposition that the state benefits significantly from the existence of an educated citizenry. As a matter of policy, access to higher education is provided so far as practicable at reasonable cost to residents of the state. It is the long-standing practice of the Council on Higher Education to require students who are not Kentucky residents to meet higher admission standards and to pay a higher level of tuition than resident students whose presence in the state reasonably assures that they or, in appropriate instances, their parents have already contributed, or will contribute, substantially to the state in their capacity as resident citizens.

SECTION 2. DEFINITIONS: The language of this policy on residency classification contains some legal terms as well as everyday terms which, of necessity, have specialized meaning in the determination of residency for admission and fee assessment purposes. The following definitions shall be controlling in the interpretation and application of this policy. Wherever used in this policy:

(1) The terms "institution of higher education" or "college" shall refer to all institutions, public or private, offering instruction and conferring degrees beyond the secondary school level, such as four-year colleges, universities, seminars, two-year institutions (community colleges and junior colleges), and postsecondary vocational/technical schools.

(2) The word "domicile" shall denote a person's true, fixed, and permanent home. It is the place where he or she intends to remain, and to which he or she expects to return when he or she leaves without intending to establish a new domicile elsewhere. "Legal residence" and domicile convey the same notion of permanence and are used interchangeably.

(3) The term "emancipated person" shall mean a person:
   A. who has attained the age of majority;
   B. whose parent has not claimed such person as a dependent on federal and or state income tax returns for the preceding tax year;
   C. who demonstrates the financial ability to provide at least 70 percent of his or her cost of education, i.e., tuition fees, books, supplies, room and board maintenance, and transportation, as determined by the institution's financial aid policy and the student's residency classification; and
   D. whose parent's income is not taken into account by any private or governmental agency furnishing educational financial assistance to such person, including scholarships, loans, and other assistance.

(4) The term "unemancipated person" shall mean a person who is unable to meet all of the criteria listed in Section 2(3).

(5) The word "parent" shall mean one of the following:
   A. a person's father or mother, or
   B. a court-appointed legal guardian of an unemancipated person.

The word "parent" shall not apply if the guardianship has been established primarily for the purpose of conferring the status of resident on a person.
(6) Attendance at a college or colleges shall be deemed “continuous” if the person claiming “continuous” attendance has been enrolled for consecutive regular semesters since the beginning of the period for which continuous attendance is claimed. Such person need not attend summer sessions or other such intersession in order to render his or her attendance “continuous”. The sequence of continuous attendance is broken if the student fails to enroll, except under extenuating circumstances beyond the student’s control, e.g., serious personal illness/injury, illness or death of parent, etc., during either the fall or spring semester.

(7) “Full-time employment” means employment for 50 work weeks at an average of 35 hours per week.

(8) A “presumption” refers to a fact which is considered proven unless clear and convincing evidence to the contrary can be established. Each individual must be given the opportunity to rebut the presumption.

(9) “Documentation” refers to the submission of source documents, e.g., official letters, papers, or sworn statements. As a general rule, evidence cited as the basis for domicile must be documented, and the required documentation should accompany the application for residency classification.

SECTION 3. GUIDELINES FOR DETERMINATION OF RESIDENCY STATUS.

1) Initial classification of residency shall be determined based upon the facts existing when the conditions governing admission for a specific semester/term have been met.

(2) The domicile of an unemancipated person is that of either parent. The domicile of the parent shall be determined in the same manner as the domicile of an emancipated person.

(3) Any unemancipated person who remains in this state when his or her parent(s), having domicile in this state, moves from this state shall be entitled to classification as a resident while in continuous attendance at the degree level in which he or she is currently enrolled. When continuous attendance is broken or the current degree level is completed, the person’s residency classification must be reassessed in accordance with the appropriate sections of this policy.

(4) An unemancipated person whose parent is a member of the Armed Forces and stationed in this state on active duty pursuant to military orders shall be classified as a resident. The student, while in continuous attendance at the degree level in which he or she is currently enrolled, shall not lose his or her resident status when his or her parent is thereafter transferred on military orders. When continuous attendance is broken or the current degree level is completed, the person’s residency classification must be reassessed in accordance with the appropriate sections of this policy. This guideline is invalid if the parent is stationed in Kentucky for the purpose of enrollment at an institution of higher education or on temporary assignment of less than one year.

(5) Upon moving to this state, an emancipated person who provides clear and convincing evidence of domicile may apply for resident classification for his or her unemancipated children. Provided that the person is not in this state primarily as a student, his or her unemancipated children may be classified as residents. If the person is in Kentucky primarily for the purpose of enrollment at an institution of higher education, neither that person nor his or her unemancipated children may be classified as residents.

(6) A member of the Armed Forces of the United States stationed in Kentucky on active military orders is considered domiciled in the state and shall be entitled to classification as a resident while on active duty in this state pursuant to such orders. Individuals classified under this section will be reassessed in accordance with the appropriate sections of this policy when the qualifying condition is terminated. This rule is invalid if the individual is stationed in Kentucky for the purpose of enrollment at an institution of higher education or on temporary assignment of less than one year.

(7) An emancipated person who moves to the Commonwealth within six months from the date of discharge from active duty with the military with the stated intent of becoming a legal resident of the Commonwealth shall be permitted to count such time spent in the military service toward meeting the presumptions outlined in Section 4, provided the individual was a legal resident of Kentucky at the time of induction or his or her home of record and permanent address during and at the time of discharge was Kentucky.

(8) In the event of transfer to, or matriculation in, another Kentucky public institution of higher education, the student’s residency classification must be reassessed by the receiving institution.

(9) Any person incarcerated in a penal facility located in Kentucky shall be granted resident status during his or her confinement, but his or her residency classification must be reassessed in accordance with the appropriate sections of this policy upon release from confinement. Time served during incarceration shall not be used to establish domicile unless the individual resided in the Commonwealth prior to confinement or the conditions of parole restrict the location of the individual to the Commonwealth.

(10) Any person holding an immigration visa or classified as a political refugee has the capacity to remain in Kentucky indefinitely and shall establish domicile in the same manner as any other person.

(11) Any person holding a temporary, nonimmigrant visa which requires the maintenance of a foreign domicile—visa designation B, F, J, or M—does not have the capacity to remain in Kentucky indefinitely and may not attain Kentucky resident status for fee assessment purposes. Likewise, any person holding a nonimmigrant visa designation C, D, or K may not attain Kentucky resident status for fee assessment purposes due to the transitory or temporary nature of the visa.

(12) Any person holding a nonimmigrant visa—visa designation, A, E, G, H, I, or L—may remain in Kentucky indefinitely as long as his or her authorized purpose or established need continues and may attain Kentucky resident status for fee assessment purposes. In assessing the residency status of such a person, other sections of this policy shall apply, and the person’s purpose and length of stay as well as other conditions governing his or her presence in Kentucky shall be determined and considered. If this review justifies a resident classification, the person shall be classified as a resident for fee assessment purposes.

(13) In the event that an emancipated person or the parent of an unemancipated person moves out-of-state, domicile, having been established in Kentucky, is retained until steps are taken to establish domicile elsewhere. The same facts and conditions which are presumed in establishing a Kentucky domicile are similarly presumed in determining when a former Kentucky
domicile has been abandoned. In the absence of clear and convincing evidence as to the domicile of an emancipated person who at one time had domicile in Kentucky, that person is presumed to have lost his or her Kentucky domicile upon a one-year absence from the state.

SECTION 4. PRESUMPTIONS. Unless the contrary appears from clear and convincing evidence, it shall be presumed that:

(1) The domicile of an unemancipated person whose parents are divorced, separated, or otherwise living apart shall be presumed to be Kentucky if either parent is a resident of the Commonwealth regardless of which parent has legal custody or is entitled to claim that person as a dependent pursuant to Kentucky income tax provisions.

(2) Every emancipated person remaining in this state in a nonstudent status (i.e., not enrolled in an institution of higher education) for the 12 months immediately preceding the last date for enrollment in the institution and fulfilling conditions associated with domicile shall be presumed to be a resident for admission and fee assessment purposes.

(3) No emancipated person shall be presumed to have gained resident status while attending any institution of higher education more than half-time (half-time being equal to one-half time), as such status is defined by the governing board of such institution, in the absence of a clear demonstration that he or she had established domicile in the state.

(4) Attending college half-time (half-time being equal to one-half of full-time) or less will not prevent an emancipated person who has full-time employment from establishing domicile.

(5) A student who has been classified nonresident is presumed to continue as nonresident while working part-time.

(6) The domicile of a married person shall be determined in the same manner as the domicile of an unmarried person. While no person shall be presumed, solely by reason of marriage or cohabitation, to have established or to have lost domicile in Kentucky, the fact of marriage or cohabitation and the place of domicile of the spouse or cohabitant are deemed relevant evidence in ascertaining domicile.

(7) A student whose admissions records show him or her to be a graduate of an out-of-state high school or his or her residence to be outside of Kentucky at the time of application for admission is presumed to be a nonresident and will be initially so classified.

SECTION 5. TYPES OF EVIDENCE TO BE CONSIDERED FOR ESTABLISHMENT OF DOMICILE. Evidence submitted on behalf of an unemancipated person must pertain to the domicile of either parent. Initial classifications generally are made on the basis of information derived from admissions materials, and individuals who enroll in college immediately following graduation from high school and remain enrolled are treated as unemancipated persons unless the contrary is evident from the information submitted. In such cases, domicile will be inferred from the student’s permanent address, parent’s mailing address, and/or location of high school of graduation.

A person claiming emancipated status must document his or her independent status under Section 2(3) and must demonstrate that he or she has established a domicile in Kentucky by his or her own acts. If an emancipated person asserts that he or she has established domicile in Kentucky, he or she has the burden of proving he or she has done so. The following statements pertain to the kinds of evidence and required documentation that will be considered in reviewing an assertion by an emancipated person that he or she is domiciled in Kentucky.

(1) The following facts, although not conclusive, have probative value in support of a claim for resident classification:

A. acceptance of an offer of full-time employment or transfer to an employer in Kentucky or contiguous area while maintaining legal residence in Kentucky;

B. continuous physical presence in a nonstudent status for the 12 months immediately preceding the last date for enrollment in the institution;

C. filing of Kentucky resident income tax returns when absent from the state;

D. full-time employment of at least one year while living in Kentucky;

E. attendance as a full-time, nonresident student at an out-of-state institution of higher education while determined to be a resident of Kentucky; or

F. abandonment of a former domicile and establishing domicile in Kentucky with attendance at an institution of higher education following and only incidental to such change in domicile.

(2) The following facts are not necessarily sufficient evidence of domicile:

A. employment by an institution of higher education as a fellow-scholar, assistant, or in any position normally filled by students;

B. a statement of intent to acquire a domicile in Kentucky;

C. voting or registration for voting;

D. lease of living quarters;

E. payment of local and state level;

F. Kentucky automobile registration;

G. Kentucky operator’s license;

H. continued presence in Kentucky during vacation periods;

I. marriage to or cohabitation with a Kentucky resident; or

J. ownership of real property in Kentucky.

Domicile shall not ordinarily be conferred by the performance of acts which are auxiliary to fulfilling educational objectives or are performed as a matter of convenience. Mere physical presence in the state for educational purposes is not sufficient evidence of domicile.

(3) The determination of domicile must be based upon verifiable circumstances or actions. Sections 5(1) and 5(2) above list some facts that may be relevant in evaluating a claim to domicile, but other facts pertaining to an individual’s situation may be considered. No single fact is paramount, and each situation must be evaluated to identify those facts which are essential to the determination of domicile.

When reviewing the evidence and documentation submitted, institutions may request additional evidence and documentation to clarify the person’s circumstances and to formulate a classification decision which considers all relevant facts.

RESPONSIBILITIES. The responsibility for registering under the proper residency classification is that of the student. It is the student’s obligation, prior to the time of registration, to raise questions about residency classification with the administrative officials of the institution in which he or she is registering for an official determination of status. A student classified as resident who becomes nonresident by virtue of a change of domicile by
his or her own action or by person(s) controlling his or her domicile is required to notify the proper administrative officials of the institution at once. A student classified as nonresident will be considered to retain that status until he or she makes written application for reclassification in the form prescribed by the institution and is officially reclassified by the proper administrative officials. The effective date of a residency classification cannot predate the date of application for reclassification.

Each institution is responsible for establishing procedures for the collection of sufficient information in support of residency classifications, maintaining accurate files, and administering this policy in a consistent manner.

SECTION 6. RESIDENCY CLASSIFICATION PROCEDURE. Each institution shall establish a procedure for the initial determination of residency classification based upon this policy. To consider student requests for reclassification, each institution shall establish a committee, hereafter, the "Committee," to consider changes in residency classification. Application for change of residency classification shall be made in writing to the administrative office or to the person designated by the institution for this purpose. To support full consideration of a request for a change in residency classification, each application shall consist of a complete affidavit, the content of which prescribes the necessary documentation to substantiate facts cited. The student must provide all information relevant to a determination of his or her current residency status. Each applicant is encouraged to submit a formal statement indicating the basis for his or her claim to resident status.

The student working with the institutional classification officer is responsible for ensuring that all needed documentation is submitted with his or her affidavit. Incomplete applications may be deferred at the discretion of the Chair of the Committee. The Chair will present each case to the Committee for a decision, and the student will be notified in writing as to the disposition of his or her application.

In the event of a ruling by the Committee which is unsatisfactory to the student, the student may appeal the institutional decision and request that a complete copy of his or her file, e.g., affidavit, documentation, the student’s statement if submitted, be submitted by the administrative office or the person designated by the institution to the Executive Director of the Council on Higher Education.

APPEAL PROCEDURE. The Executive Director of the Council on Higher Education shall appoint a person to serve as an appeals officer. The appeals officer shall review all residency appeals from the public institutions of higher education.

A student may appeal the decision of the Committee within 14 calendar days of such decision to the Council on Higher Education by giving written notice to the Chair of the Committee of the person or office designated by the institution. The institutional representative designated to handle appeals is responsible for forwarding a complete record of the matter to the Executive Director of the Council on Higher Education.

1. The student’s written notice of appeal need not be in any prescribed form, but it must clearly state reasons for the appeal.

2. The institution shall forward a complete copy of the student’s file within 14 calendar days of the receipt of a notice of appeal. The student may review the content of his or her file before it is forwarded to the Council on Higher Education. Significant new evidence may warrant a new hearing by the Committee before the matter is referred to the Council on Higher Education.

3. The appeal shall be considered on the written record alone.

4. The appeals officer shall review findings of fact, draw conclusions, and formulate a recommendation consistent with the facts and this policy. Within 14 calendar days, the report of the appeals officer shall be forwarded to the institutional representative designated to handle appeals for final disposition by the institution in accordance with established institutional procedures. A copy of that report shall be forwarded to the Executive Director of the Council on Higher Education. The institution shall act on the appeal within 21 calendar days of the receipt of the appeal officer's report.

5. Within seven calendar days, the institution shall notify the student of the final disposition of his or her appeal.

SECTION 7. STATEWIDE MEETINGS. To enhance consistency among the institutions in the interpretation and application of this policy, the institutional residency officers shall meet twice a year with Council staff and the appeals officer to discuss the residency policy, institutional classification procedures, and decisions made by the appeals officer.

SECTION 8. EFFECTIVE DATE. These revised guidelines become effective on July 1, 1987, and supersede all previous policies of the Council relating to classification of students for fee assessment purposes.

Student Financial Obligations

Any student or former student who is indebted to the University and who fails to make satisfactory settlement within a time limit prescribed is liable for administrative action. Students who are indebted to the University may not register at the University nor will their transcript be released until the debt is paid. Any student indebted to the University who cannot meet his/her financial obligations within the time limit prescribed is responsible for calling on the Director of Billings and Collections and explaining the reasons for failure to pay. Short extensions may be granted for good and sufficient reasons.

Refund Policy

Registration fees paid by students during pre-registration periods will be refundable in full providing the request for refund is filed prior to the beginning of the regular registration period of the term for which the fees have been paid. The housing room reservation/damage deposit will be refunded in full if written cancellation is received by July 15 for the fall semester; December 15 for the spring semester; or May 15 for the summer term, respectively.

Refunds on fees, board plan charges, and room rental charges upon official withdrawal from the University shall be made on the following schedule:

- Fall & Spring - 16 weeks
- Prior to regular registration period: 100%
- During wrap-up registration period (3 days): 90%
- 1st & 2nd week (starting from 1st day of classes): 75%
- 3rd & 4th week: 50%
- 5th & 6th week: 25%
- remaining semester: 0%
Summer Term - 8 weeks
Prior to regular registration period 100%
During wrap-up registration period (1 day) 90%
1st week (starting from 1st day of classes) 75%
2nd week 50%
3rd week 25%
remaining term 0%

Intersession - Proposed - 4 weeks
Prior to first day of classes 100%
1st three calendar days 75%
2nd three calendar days 50%
3rd three calendar days 0%

There is no wrap-up registration for intersession.

For the purpose of calculation, weeks are defined in seven-day periods beginning with the first day of classes for the semester or summer term.

The percentage of refunds shall apply only to registration and class fees, board plan charges, and room rentals. In no case shall a refund of rent be made to a person who remains a student but moves from University housing at his or her convenience.

Students who move from University housing during the first six weeks of the semester may apply for refund of Board Plan fees in accordance with the schedule above.

Refunds for reduction in course load for part-time students will be at the same percentage rate as for students who officially withdraw from the University; however, if the reduction in course load results from the cancellation of a class or from the student having been permitted to enroll for a class for which he or she was not eligible, a full refund will be made of the registration fee for the course being dropped. Refunds for reduction of course load must be approved by the Vice President for Academic Affairs and Research.

Living Accommodations

Eastern Kentucky University maintains a number of residence halls. All single, full-time, undergraduate students under 21 years of age, not residing with their parents within a 50 mile radius of the University, are required to live in University residence hall facilities. Full-time students must be 21 years of age on or before the first day of classes of any given semester to live off campus for that semester. Students failing to meet this requirement will be assessed the lower-price residence hall fee. Graduate students, married students, and single undergraduate students over 21 years of age must secure special permission from the Director of Housing if they wish to occupy a room in a residence hall. We reserve the right to house or not to house students over the age of 21.

There are a number of large rooms in the residence halls that are designed for three-person occupancy. These rooms are as follows: Burnam Hall: 39, 40, 41, 49, 121, 143, 243, and 343. Case Hall: 318, 320, 322, 418, 420, and 422. Sullivan Hall: 113, 125, 213, 214, 219, 225, 226, 313, 314, 319, 325, and 326.

All students desiring housing in residence halls at Eastern Kentucky University must complete a housing application and forward it, along with a $50 room reservation/damage deposit, to the Director of Billings and Collections, Eastern Kentucky University, Richmond, Kentucky 40475.

The housing deposit is necessary before a reservation can be made. Reservations will be held only until 5 p.m. the day preceding the first day of classes unless students have made arrangements with the Housing Office or individual Residence Hall Director.

Room rent is paid by the semester and is due and payable at registration.

Family Housing

Brockett provides 280 family housing units which include mobile homes, one- and two-bedroom apartments and efficiencies. Request for family housing reservations in Brockett should be made to the Family Housing Office, Gentry Building. Applications must be accompanied by a $75 security deposit, which is refundable upon termination of the rental period.

Food Service

The University operates several food service facilities on the campus. Large air-conditioned cafeterias in the Powell Building, Martin Hall, and Sidney Clay Hall serve attractive, wholesome meals at reasonable prices. Students may elect to purchase food on an individual meal or meal plan. In addition, there is a cafeteria located in the Stratton Building and a grill in the Powell Building.

Office of Student Affairs

Through the Office of Student Affairs, the University informs students of the various aspects of campus life. Some of the more specific areas are: (1) orientation of freshmen and transfer of students; (2) physical and mental health of students; (3) coordination of student activities and organizations; (4) housing assignments; (5) maintenance of certain personnel records; (6) counseling center; (7) implementation of the student rights and responsibilities policies; (8) social programs; (9) veterans affairs; (10) student financial assistance; and (11) student special services.

Students are encouraged to become responsible citizens of communities, citizens of democracy, and professional people. Immediate emphasis is directed toward those activities which assist students in attaining maximum personal, social, and academic growth in a stimulating environment.

Student Health Services

The health care of students is administered by the Student Health Services (SHS) and its staff. Regular office hours are from 8 a.m. to 5 p.m. Monday through Friday. After hours, including nights and weekends, a nurse is available to assist in emergencies which might arise at those times. The SHS include most laboratory services connected with the care provided, but X-ray procedures are obtained at nearby Pattie A. Clay Hospital, with the customary fee charged to the patient. In addition, most medication connected with the care given is dispensed without charge to the student. The facility has an observation room with two beds for the evaluation and care of acute medical problems. There is a ten-bed infirmary for short term illness requiring overnight care. Students with illness requiring hospitalization will be referred to Pattie A. Clay Hospital, or if possible, to their family physicians for hospitalization in their home community.

All new students must submit a medical history form prior to admission. This becomes part of the student's health records which are kept confidentially at the SHS and are necessary to provide the proper medical care for students seen at the facility.

In addition to the SHS, the University provides instruction in hygiene, safety, and first aid.

STUDENT SERVICES 19
Counseling Center
The University Counseling Center offers services designed to enhance the emotional development of students so they can achieve maximum benefit from their educational experience.

Psychologist and counselors provide individual counseling to assist students in their adjustment to personal and social development. When appropriate, psychological testing may be used to facilitate student self-understanding and realistic goal setting. Career counseling in groups for academic credit (GCS 199) is available each semester for students who are dissatisfied with or undecided about their career goals. A one-hour course entitled "Interpersonal Effectiveness Seminar" (GCS 198) is offered for the development of self-confidence and effective communication skills. In addition, psychiatric referral is available through the Center.

The counselor-student relationship is considered confidential and is carefully protected.

Students may make an appointment by calling or dropping by the Center or through referral from faculty, advisors, and friends.

Student Special Services
The purpose of the Office of Student Special Services is to assist students with disabilities as well as to assure program access and support in attaining their educational goals. Located in Combs Building, Room 116, the office also furnishes mobility maps and handicapped parking permits.

Support services for hearing impaired students are available through the state office of Vocational Rehabilitation or through a supplemental program for Kentucky residents administered by the Council on Higher Education. These support services include interpreting and notetaking for classroom lectures or activities and interpreting services for tutorial sessions. For more information, please contact the Office of Student Special Services.

Speech-Language-Hearing Clinic
The Communication Disorders Program in the Department of Special Education offers services to students and to the community at the Speech-Language-Hearing Clinic in Wallace 278B. Diagnostic and clinical treatment services provided by the Speech-Language-Hearing Clinic include the following:

1. Screening for speech, language, and hearing problems.
2. Assessment and treatment of articulation disorders, delayed or disordered language, stuttering, voice disorders including laryngectomy, speech and language problems resulting from stroke or head injury, language disorders related to learning disabilities, and speech and language problems of individuals in areas of exceptionality such as mental retardation, cerebral palsy, cleft palate, hearing impairment, and emotional/behavioral disorders.
3. Identification of hearing impairment by pure tone and speech stimuli or special diagnostic testing as needed; remediation of the communication problem through selection and assessment of a hearing aid and/or aural rehabilitation, including auditory training, speech reading, and adjustment to hearing aid use.
4. Speech improvement for those for whom English is a second language.

Financial Assistance
Financial assistance is some type of financial help available to help meet the costs of a college education. Eastern Kentucky University offers financial assistance in the form of grants, loans, employment, entitlements, and scholarships. Most financial assistance is need-based. Students must complete a Kentucky Financial Aid Form. This form will determine a student's eligibility for the Pell Grant, Supplemental Grant, Kentucky State Grant, Perkins Loan (formerly National Direct Student Loan), Guaranteed Student Loan, and the College Work Study Program. For further information contact the Division of Student Financial Assistance, Box 4A Coates Administration Building, Eastern Kentucky University, Richmond, Kentucky 40475-3101, (606) 622-2361.

ACADEMIC SCHOLARSHIPS
PRESIDENTIAL SCHOLARSHIP—The awarding of this scholarship is based primarily on a student’s rank in class. The Presidential Scholarship was initially funded to award to freshmen students, who are residents of Kentucky and who graduate as either valedictorian or salutatorian of their senior class. After those awards have been made, the remaining scholarships will be awarded to students ranking next highest from among the applicants. There are approximately 50 recipients chosen each year.

The Presidential Scholarship award covers one-half the total cost of tuition and the student activity fee. The scholarship is renewable for a total of eight semesters of undergraduate work, providing the student maintains a cumulative grade point average of 2.0.

REGENTS SCHOLARSHIP—The awarding of this scholarship is based on grade point average and ACT composite. To apply for this award, a student must be a Kentucky resident and an incoming freshman. He or she must have a minimum grade point average of 3.75 and minimum ACT composite of 25. A committee, within the college that the student indicates he or she will be majoring, reviews the applications of students from that college and recommends two recipients. There is a total of 25 awards made each year, with some selections made on an at-large basis.

The Regents Scholarship covers the total cost of a student’s tuition and the student activity fee. The award is renewable for a total of eight semesters of undergraduate work, providing the student maintains a 3.0 cumulative grade point average.

OTHER AWARDS—There is a limited number of miscellaneous scholarships available to students who do not receive either of the aforementioned awards. The miscellaneous awards generally do not exceed $250 per semester. Most are renewable for a total of eight semesters of undergraduate work.

OUT-OF-STATE SCHOLARSHIPS—The University offers a $500 per semester scholarship to out-of-state students. In order to qualify for this award, a student must have a minimum ACT composite of 27. The scholarship is renewable for a total of eight semesters of undergraduate work, providing the student maintains a 3.0 cumulative grade point average.

GRANTS
Grants are considered gift aid and generally do not have to be repaid.

The Pell Grant is a federal program which provides free money to students enrolled at least half-time in an eligible program of study. This grant is the foundation of a student’s financial aid package. A student may receive up to $2,100 depending upon their eligibility as determined by the federal government and the cost of education.
The Supplemental Educational Opportunity Grant (SEOG) is available for students who demonstrate exceptional need and receive a Pell Grant. The average SEOG award at Eastern is $400 for the academic year. Awards are based on students' need and the availability of funds.

The State Student Incentive Grant (SSIG) is awarded by the Kentucky Higher Education Assistance Authority to eligible Kentucky residents who are enrolled as full-time students. Grant awards are $500 for the academic year.

STUDENT LOANS

Loans are repayable once a student is no longer enrolled as at least a half-time student. The National Direct Student Loan has been renamed Perkins Loan. This program provides loans for students whose family income and family assets place a limitation upon resources for educational expenses.

This is a low-interest, long-term loan, interest-free while in school, serving with the Peace Corps, Vista, and the Armed Forces. The interest charge during the repayment period is 5 percent.

The borrower may discount 12.5 percent of the loan per year up to a period of four years for serving in the Armed Forces in a hostile area.

The borrower may also discount the loan up to 100 percent of the total loan, including interest, for teaching services in an economically deprived area. The Guaranteed Student Loan is a need-based loan awarded to eligible students. The GSL application must be completed by the student and Eastern's financial aid office before it is submitted to a financial institution (bank, credit union, etc.). This is an 8 percent interest loan. Eligible students may borrow up to $2,625 for their first two years of undergraduate studies. After successful completion of their first two years, eligible students may borrow up to $4,000. Applications and further information may be obtained by contacting the Division of Student Financial Assistance.

Student Aid Society Inc. Loan Fund. This fund is designed to help worthy students complete their education. It has been augmented from time to time by gifts from different individuals and organizations and is being increased annually. Small loans are available to students who are currently enrolled. Those having high scholastic records will be given preference in the granting of loans. This fund makes it possible for a student to borrow a small amount of money on a personal note at a legal rate of interest. Students who desire further information concerning the fund should get in touch with the Chair of the Student Aid Committee at (606) 622-4642.

PLUS. This is a loan that enables parents to borrow up to $4,000 per year, to a total of $20,000 for each child who is enrolled at least half-time and is a dependent student. The maximum interest rate is 12 percent. Contact the financial aid office for more details.

Supplemental Loans for Students (SLS). Supplemental Loans are for independent and graduate students. Under the SLS program students may borrow up to $4,000 per year, to a total of $20,000. This amount is in addition to the GSL limits. Contact the financial aid office for more details.

STUDENT EMPLOYMENT

There is opportunity for student employment whereby a limited number of students may earn part of their expenses by working in the cafeteria, library, bookstore, post office, residence halls, administrative offices, University dairy and farm, maintenance department, and faculty offices. Student labor should be limited so that work hours will not take too much of the student's study time. While ten hours per week is the average labor load, circumstances may permit a student to work more hours. No student, however, should enter the University without sufficient money for the semester unless there is a definite guarantee of work to support him/her. For further information and application forms, write to the Division of Financial Assistance, Eastern Kentucky University.

THE WORK-STUDY PROGRAM

Under a grant from the federal government, made possible by the Economic Opportunity Acts of 1964, eligible students may be employed on a part-time basis while in full-time enrollment at Eastern. This program supplements the part-time institutional program which has been in effect at Eastern for many years.

A student or prospective student from a low-income family is eligible for employment under the Federal Work-Study Program. The student must enroll for a minimum of 12 semester hours of course work each semester and maintain satisfactory academic progress.

Placement in jobs will depend upon the financial needs, skills, interests, and aptitudes of the student and the availability of positions open at a given time. Students may work up to 20 hours per week, depending upon their needs. Payments are made to the student employee on a semi-monthly basis.

ENTITLEMENTS

The Veterans Program at Eastern Kentucky University is approved by the Kentucky Approving Agency for Veterans Education for the education of veterans and their eligible dependents. Students concerned with veterans training should have, at the time of registration, a certificate of eligibility. This is secured from the regional office of the Veterans Administration. The University is responsible for the completion of certain Veterans Administration forms and the other necessary information about students who receive this aid.

If you have completed courses while in the armed forces, ask the Registrar about the possibility of receiving credit for such courses.

Veterans Administration Benefits. War orphans, widows, children and wives of deceased and disabled veterans should contact the Veterans Administration, 600 Federal Place, Louisville, Kentucky. Application forms are available in the Veterans Affairs office. Veterans wishing to receive advance payments should notify the office of Veterans Affairs at least 30 days prior to the beginning date of classes.

For information concerning tutorial assistance or refresher courses, contact the office of Veterans Affairs at Eastern Kentucky University.

Vocational Rehabilitation. This program offers assistance for students with physical handicap of various kinds. Students who wish to consult with a representative relative to vocational rehabilitation should write the Department of Education, Department of Vocational Rehabilitation, Frankfort, Kentucky, for specific instructions.

Student Organizations and Activities

In addition to its academic programs, the University provides many services and activities that promote mental physical health and social/academic well-being. The provision of a meaningful life experience for the student is the goal of the faculty and staff.

Student organizations, societies, and clubs form an intrinsic part of a program that provides academic, social, and religious
experiences at Eastern. Student organizations offer varied
activities to encompass the interests of all students. The 160
student organizations fall into the following categories: honor
societies, departmental organizations in each major, religious
groups, activity and special interest organizations, social sorori-
ties and fraternities, and service organizations.

The changing nature of the University precludes a complete
listing of all organizations and activities that are available
during the year. Students will find this information in official
campus publications such as the University Handbook for
Students, in notices posted on bulletin boards, in The Eastern
Progress, and at the Office of Student Activities and Organizations,
Powell 128.

SOCIAL ACTIVITIES

The University Center Board arranges a variety of social
activities for the benefit of Eastern’s students. Such activities
as movies, dances, concerts, and parties are planned for the
students’ enjoyment. The school calendar lists all approved
social activities. The Office of Student Activities and Organizations
coordinates the activities on campus. Students have the oppor-
tunity to participate in a variety of leisure time activities.

The Chapel of Meditation

The Chapel of Meditation is non-denominational and is open
to students, faculty, staff, alumni, and friends of the University
for meditation, prayer, and spiritual reflection. The Chapel is
used for weddings, memorial services, and for special services
by the various religious organizations and student groups. The
University Chaplain’s office is located in the basement of the
Chapel. The Chaplain is available for counseling and for wed-
dings. The Chaplain, also, coordinates the various activities of
the Chapel.

Office of Minority Affairs

The Office of Minority Affairs was developed to assist the
minority student in having a successful experience at Eastern
Kentucky University. OMA provides various services that
include cultural and educational programs that stress to stu-
dents the importance of their heritage. This office also encour-
gages exchange of information across cultural barriers.

Student Identification Card

When a full-time student registers at Eastern, he/she is given
a combination identification-activity card bearing his/her photo-
graph, student identification number, and signature.

Students must carry their I.D. cards at all times and produce
them when requested by members of the University staff. The
cards are used when drawing books from the library, cashing
checks, and at University activities. Students are liable for
disciplinary action for misuse of I.D. cards.

A fee will be charged for replacement if an activity card is
lost. The loss of a card must be reported immediately to the
Office of Student Activities and Organizations, Room 128,
Powell Building.

Athletics and Recreation

The University offers a varied athletic and recreational pro-
gram for all students. It consists of extensive intercollegiate,
imtramural, specialized club and recreational activities.

Eastern Kentucky University is a member of the Ohio Valley
Conference and the National Collegiate Athletic Association.

Athletic teams play schedules representing major regional
institutions in addition to regular conference competition and
advance to national tournaments when they qualify.

Intercollegiate competition is sponsored for men in baseball,
basketball, football, golf, tennis, cross country, and track and
field; for women, in basketball, cross-country, field hockey,
tennis, track and field, and volleyball.

The Intramural Recreational Sports Office offers programs in
competitive team and individual sports, recreational free play,
sport clubs, faculty-staff activities, and co-ed activities.

Entertainment and Cultural
Events

Through its fine arts departments and the University Center
Board, Eastern provides a wide variety of entertainment and
cultural events. The UCB sponsors lectures, popular entertain-
ers, fine arts performances, and campus movie schedule for
the university community; while many events are free of charge
to faculty and students, others require only a nominal admis-
sion fee.

The Department of Art provides a variety of exhibitions in the
Giles Gallery (Jane F. Campbell Building). These include exhibi-
tions by international and regional artists, students, faculty,
and thematic exhibitions. Admission is free. Gallery lectures
are also frequently provided for the public.

The Department of Music usually produces about 80 faculty,
student, and visiting recitals, concerts, and ensemble perfo-
rmances during an academic year. All are open to the public
and admission is usually free.

The Department of Speech and Theatre Arts provides at
least four performances each academic year including recent
Broadway plays, musical theatre, and traditional plays. Occasion-
ally, student directed performances are also presented. Modest admission fees are charged.

Many other cultural activities are offered by the university’s
annual culture festival and by academic departments and clubs.

Student Publications

The Milestone is the University yearbook. Published annual-
ly, this publication contains photographs and statistical records
of events of the University year. The book is distributed during
the last two weeks of the spring semester. The Milestone has
received numerous national awards in recent years and is
ranked annually among the top student publications in the
nation.

The Eastern Progress, weekly student newspaper, is the
official student publication of the University, and all students are
encouraged to take advantage of the journalism training offered
by the Progress.

Aurora is a magazine of student writing published by its
student staff to encourage interest in literary activity. Aurora
accepts poems, one-act plays, short stories, prose sketches,
and essays from any Eastern student. Cash prizes are awarded
for the best works at the time of the spring publication.

Student Automobiles

All motor vehicles which are parked on the campus must be
registered with the University through the Division of Public
Safety.
Students desiring to register a motor vehicle may do so only by presenting a valid operator's license and a motor vehicle bill of sale or registration receipt at the time of registration. The vehicle to be registered must be owned by the student or a member of his/her immediate family. In addition, all registered vehicles must meet all safety standards as prescribed by the Kentucky Department of Public Safety and the University.

Students who violate University parking regulations are subject to fine, and serious violations may result in revocation of parking privileges. Please consult Motor Vehicle Parking Regulations for further clarification of parking rules and procedures.

Libraries and Learning Resources

The John Grant Crabbe Library, which is centrally located on the campus, contains over 800,000 volumes and will accommodate approximately 1,300 students. The building contains several large reading rooms as well as smaller areas for individual study. It houses the Townsend Room, which is Eastern's collection of rare Kentucky books, and the Madison County-EKU Law Library. In addition to the main University library, there is a Music Library in the Foster Building and a Law Enforcement Library in the Stratton Building.

The Library supports the instructional, research, and recreational reading/information needs of the students at the University. For specific information about the many library services, including loan policies, please visit your library.

The Alumni Association

The Eastern Kentucky University Alumni Association serves as a vital link between the University and its graduates by maintaining records, communicating, and sponsoring programs and activities designed to enhance this relationship.

All Eastern Kentucky University degree recipients are automatically members of the Alumni Association. Those graduates who make annual gifts are classified as "active," while other members are carried as "inactive." Associate memberships for non-degreed individuals with an interest in the University are also available.

Alumni activities and programs are normally made available to active members of the Association. Two major activities are planned annually for all members, however. Homecoming, held each fall, and Alumni Day, held the last Saturday in April, brings back the 70-, 60-, 50-, 40-, 30-, 25-, 20- and 10-year classes and annually honors an Outstanding Alumnus and inducts alumni into the Hall of Distinguished Alumni.

Other regular Association activities and programs include maintaining alumni chapters in three states and Washington, D.C.; offering alumni tours at reduced fares; publishing the alumni tabloid; arranging receptions or similar activities in conjunction with special University events; and sponsoring the Alumni Scholarship program.

The Association's flexibility also allows occasional offerings of goods and services, such as the Alumni Directory and print sales, which keep alumni involved with the University and each other.

A member of the Council for the Advancement and Support of Education (CASE), the EKU Alumni Association is governed by elected active alumni who serve for varying terms on the Alumni Executive Council, the governing body. The Director of Alumni Affairs serves as an Executive Secretary to the Council.

Provisions of the Family Education and Privacy Act of 1974
PUBLIC LAW 93-380

I. This is to serve notice to all students of Eastern Kentucky University of the rights and restrictions regarding the maintenance, inspection, and release of student records contained in the Family Education and Privacy Act of 1974. The University is composed of nine colleges and offers a wide variety of services to students. Each college and service requires the maintenance of some records concerning students enrolled in a particular college or participating in a nonacademic service. The location and type of record maintained by the University depends upon the field of study or service in which the student is enrolled. The following is a list of the types of records maintained by the University for undergraduate students.

A. Undergraduate records:
1. Grade reports
2. Transcripts
3. Curriculum information
4. Applications for graduation
5. Correspondence with students, if any
6. Withdrawal records, if applicable
7. Admission forms
8. ACT test scores
9. Student teacher evaluations, if applicable
10. Letters of recommendation, if applicable
11. Nominations for awards, if applicable
12. Biographical data
13. Evaluation forms, if applicable
14. Weekly student teacher logs, if applicable
15. Mid-term evaluation, if applicable
16. Records of school visitations, if applicable
17. Physical education requirement waivers
18. Field training evaluations and correspondence, if applicable
19. Professional conduct agreements and liability insurance coverage

B. In addition to the persons identified in paragraph C below, the following persons have access to pertinent student records: the student's advisor, academic deans, or equivalent University officials who have need of information in order to carry out their official responsibility.

C. A list of persons and offices maintaining the above records is maintained in the office to the President and will be made available to students upon request.

II. Students have the right to inspect any and all records directly related to them except as follows:
A. Students do not have the right to inspect confidential letters of recommendation placed in their files before January 1, 1975. Students may waive their right to inspect such letters furnished the University after January 1, 1975.

B. Students do not have the right to inspect records maintained by the University Division of Public Safety.

C. Students do not have the right to directly inspect medical, psychiatric, or similar records which are used solely in connection with treatment of a student; however, they do have the right to have a doctor or other qualified professional of their choice inspect such records.

D. Students do not have the right to their parents' confidential financial statements.
III. A student or parent, whichever is applicable, shall have the opportunity of a hearing to challenge the contents of any University record on the grounds that such record or records are inaccurate, misleading, or otherwise in violation of the privacy or other rights of the student and an opportunity for correction or deletion of any such record. If the student desires to challenge such a record, he/she shall do so by filing a written request in the office of the University Attorney stating which record is to be challenged and upon what ground. Such challenge of records shall be considered by the University Records Review Committee within a reasonable time not to exceed 30 days following such request. The student or parent will be allowed to present evidence, including witnesses, to the committee in support of his/her challenge. This right to challenge also extends to former students of the University.

IV. The University shall not release student records to persons, other than authorized University officials, to any individual, agency, or organization, other than the following, without the written consent of the student:
   A. To other local educational officials, including teachers or local educational agencies who have legitimate educational interest.
   B. To officials of other schools or school systems in which the student intends to enroll, upon the condition that the student be notified of the transfer and receive a copy of the record if desired and have an opportunity to challenge the contents of the record.
   C. To authorized representatives of the Comptroller General of the U.S., the Secretary of HEW, or an administrative head of an educational agency, in connection with an audit or evaluation of federally supported programs.

V. The University shall not furnish in any form any personally identifiable information contained in personal school records to any persons other than those listed in paragraph IV above, unless there is a written consent from the student specifying records to be released, the reasons for such release and to whom, and with a copy of the records to be released to the student if desired, or in the event records are lawfully subpoenaed or otherwise judicially ordered, the University shall notify the student of such subpoena or judicial order in advance of the compliance therewith.

VI. All persons, agencies, or organizations desiring access to the records of a student shall be required to sign a written form which shall be kept permanently with the file of the student, indicating specifically the legitimate educational or other interest that such person, agency, organization has in seeking the information.

VII. The University will release directory information to individuals, agencies, or organizations. Directory information includes the student's name, social security number, address, telephone listing, dates of attendance, degrees, and awards. It will also release grade point averages of students being considered for honorary societies, awards, or other honorary recognition. This information will be released unless the student or parent notifies the University that such information shall not be released. Such notification should be sent to the office of the Registrar.

VIII. Copies of student records, except transcripts, will be furnished to the student at a cost of $.25 (twenty-five cents) per page.

IX. Parents of dependent students have a right to information concerning their children's grades without having to gain the student's consent.
Admission to the University

All students seeking admission to undergraduate study at Eastern Kentucky University must submit a completed application to Admissions, 203 Jones Building, Eastern Kentucky University, Richmond, KY 40475-3101. Policies and procedures for each of the five admissions types are described below.

ENTERING FRESHMEN

1. In-state Students
   Graduates of Kentucky high schools will be unconditionally admitted to Eastern Kentucky University if they have met the requirements of the Pre-College Curriculum mandated by the Kentucky Council on Higher Education. This curriculum requires students to have earned at least four units of English (English I, II, III, and IV), three units of mathematics (including Algebra I or II and Geometry), two units of social studies (U.S. History and World Civilization), and two units of science (including Biology I or Chemistry I or Physics I). Students should consult with their high school counselor or the EKU Admissions Office if they have questions regarding these requirements.

   Students who have not completed the Pre-College Curriculum will be admitted to pursue baccalaureate degree programs with the condition that they will be required to complete a designated course or courses as a part of their baccalaureate programs in the areas missed in the Pre-College Curriculum.

   Students who have not completed the Pre-College Curriculum will be admitted without conditions to pursue community college (associate degree) programs. After earning 12 hours in university level courses with a "C" standing or better, students may transfer if they wish, without conditions, to baccalaureate degree programs.

   Tentative admission is granted to graduating seniors. A final high school transcript is required upon completion of graduation requirements and must certify the actual date of graduation.

   Entering freshmen are required to submit American College Test (A.C.T) examination scores prior to being permitted to register for classes.

   It should be noted that certain baccalaureate and associate degree programs have special admission requirements. Admission to the University does not mean automatic admission to these programs.

2. Out-of-State Students
   To be eligible for admission, entering freshmen who are graduates or are graduating seniors of out-of-state high schools must either rank in the upper 50 percent of the graduating class or have an A.C.T. composite score in or above the 50th percentile nationally. In addition, out-of-state applicants are expected to have completed a high school curriculum equivalent to the Kentucky Pre-College Curriculum. Those not doing so will be admitted with the same conditions as Kentucky applicants (see above).

   A non-resident entering freshman who is not admissible as specified above but who demonstrates through other accepted measures the ability to pursue the college program may be admitted to the summer session. Other accepted measures could include transcript evaluation demonstrating evidence of maturation during the final two years of high school, grade point average (GPA) of 2.5 (on a 4.0 scale), or satisfactory performance on tests other than A.C.T., such as S.A.T. Students so admitted will be required to enroll for at least six hours to include English Composition and will be required to earn not less than a 2.0 GPA. Students who fulfill these requirements will be permitted to enroll in the fall semester without restriction.

3. General Education Development Test (G.E.D.) Recipients
   G.E.D. recipients, students who have earned the General Equivalency Diploma by taking the General Education Development Test, are granted admission upon submission of an admission application and official G.E.D. examination scores. Copies of the G.E.D. diploma are not acceptable in lieu of the examination scores. Applicants who have earned the G.E.D. diploma must be at least 17 years of age and must have passed the G.E.D. examination with a minimum score of 45. In addition, the applicant’s high school graduating class must have graduated by the beginning of the term for which the applicant requests admission.

   Individuals who have completed the G.E.D. equivalency will be admitted to pursue associate or baccalaureate degree programs. The department chair may designate one or more courses to be completed as a part of the degree program if it is determined that this is necessary to remove deficiencies in the student’s preparation.
TRANSFER STUDENTS
Transfer students who have been previously enrolled or are currently enrolled at regionally accredited post-secondary junior, community, or four-year colleges and universities are required to submit an admission application and official transcript, either partial or complete, from each accredited institution previously attended. Transcripts from nonaccredited institutions need not be submitted.

Unconditional admission is granted to transfer applicants who evidence a cumulative 2.0 GPA (on a 4.0 scale) from all accredited institutions and who are eligible to return to those institutions.

A student seeking to transfer with less than a 2.0 GPA may be admitted under the following conditions: 1) The student is eligible to return to his/her former institution(s); 2) The student’s GPA and hours attempted conform to EKU’s policy for continued enrollment for its current students; 3) The student presents a written appeal on which justification is made for admission, e.g., catastrophic circumstances, illness, etc. This procedure requires the student to submit high school records as well as an appeal form supplied by the Division of Admissions. A review committee comprised of the staff of the Division of Admissions reviews the documentation and determines the admission decision. Conditionally admitted transfer students are placed on academic warning or probation in accordance with the academic standards of the University as stated on page 37 of this catalog. Transfer students admitted under this provision who fail to meet the conditions of probation will be disenrolled from the University if they registered in advance. Transfer students who were in good standing but failed to meet the other requirements as outlined above will not be admitted to the University except during the summer session, at which time they may enroll for a maximum of six hours of credit, or for part time enrollment in a regular semester in which they may enroll for not more than one class.

The cumulative GPA of students transferring to EKU will include hours attempted and quality points earned from all previously attended institutions. The credits earned by a transferring student to EKU are accepted from regionally accredited institutions. An evaluation of academic transcripts is performed once the student has been admitted to the University. The Office of Academic Support and Undergraduate Studies and the individual academic departments determine course by course assignment to the student’s academic program.

The University considers lower division credits transferred to Eastern as lower division, even if Eastern offers a comparable course at the upper division.

READMISSIONS
Former students who have not attended another institution since leaving Eastern and whose GPA meets minimum scholastic standards (see page 36) are granted immediate readmission upon submission of an application for readmission. Those whose GPA falls below minimum scholastic standards will be considered for readmission in accord with the probation, suspension, and dismissal policies of those standards. Former students who have attended another institution since leaving Eastern will be considered for readmission under the guidelines above and upon submitting an official transcript evidencing eligibility to return to that institution. Students leaving the University on social probation or suspension must be cleared through the Division of Student Affairs prior to being considered for readmission.

INTERNATIONAL STUDENTS
International students who are in the United States under the visa classification system in accordance with Immigration and Naturalization Service policies must have completed their application file 30 days prior to the beginning of the term for which they wish to enroll at EKU. The following documentation must be submitted before any international student may be admitted: 1) Application for admission; 2) TOEFL (Test of English as a Foreign Language) scores/500 minimum score required; 3) secondary school records and/or college or university transcript(s) as applicable; 4) Declaration and Certification of Finances, showing financial support to attend EKU. Students from Nigeria, Iran, Ghana, and Guyana are required to submit an advance deposit of $6,000 before the issuance of a Form I-20.

Admitted international students receive an I-20 form which generates the F-1 visa. The Division of Admissions communicates the information of an admitted international student to the Division of International Education for Immigration and Naturalization Service purposes.

SPECIAL ADMISSIONS
1. High School “Specials”
Students who have one unit less than the number required for high school graduation with superior grades (i.e., 3.0 + GPA) may be admitted provided the high school principal recommends the student as qualified to do college work. High school specials must, upon graduation from high school and enrollment at the University, be re-classified as entering freshmen.

2. Transient Students
Transient, or “visiting,” students from other institutions (who enroll for the purpose of having Eastern coursework transferred back to their resident institution) are admissible under the provision that they present evidence (i.e. official transcript or statement of “good standing”) indicating that they are eligible to return to their resident institution.

3. Veterans
All honorably discharged veterans are admissible if they meet the equivalency (G.E.D.) requirement or are graduates of accredited high schools. Veterans who have attended other accredited post-secondary institutions are admissible under the same GPA requirements as all other transferring students and should provide transcripts to verify this requirement prior to admission being granted.

Veterans are further encouraged to submit a legible copy of their Form DD-214 (discharge verification) in order to receive college credit for military science. This is not a requirement for admission.

4. Admission Without Regard to a Degree
Persons over 21 years of age who wish to pursue courses as special students without reference to obtaining a degree may be admitted if they demonstrate adequate preparation for the courses desired.

5. O’Donnell Scholarship Recipients
Persons 65 years of age or older are admissible to the University with a waiver of tuition. No requirements except for the submission of an application for admission are necessary for these persons.

6. Special Consideration
Entering freshmen or transfer students who do not meet the admission requirements as specified elsewhere may be considered for admission upon recommendation of a member of the faculty of the University. The recommendation and supporting information are referred to the Division of Admissions. The Division of Admissions refers the recommendation to the Dean for Academic Support and Undergraduate Studies, then to the
Vice-President for Academic Affairs, and to the President of the University for final consideration. Students admitted under this provision may be required to earn a specified GPA during the term of admission and may also be limited in the number of hours they may attempt.

**Academic Programs**

The following programs are registered with the Kentucky Council on Higher Education in Frankfort, Kentucky. Many of these programs incorporate approved options which may provide a background tailored for individual student needs. At the undergraduate level, these options are presented with the program descriptions in the Catalog. Options at the graduate level are found in the Graduate Catalog. Joint doctoral programs are offered in cooperation with the University of Kentucky.

### MAJORS & DEGREES

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<td>Construction Technology</td>
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<td>Drafting and Design Technology</td>
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<td>Fire and Safety Engineering Technology</td>
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<td>German</td>
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<td>Health Care Administration</td>
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<td>Health Education (Community)</td>
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<td>Health Education (School)</td>
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<td>Hearing Impaired</td>
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<td>Industrial Education</td>
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<td>Joint Doctoral in Social and Philosophical Studies</td>
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<td>Joint Doctoral in Special Education</td>
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<td>Journalism</td>
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<td>Management</td>
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<td>Marketing</td>
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<td>Mathematical Sciences</td>
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<td>Medical Laboratory Technician</td>
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<td>Medical Record Administration</td>
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<td>Medical Record Technology</td>
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<td>Medical Technology</td>
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<td>Microbiology</td>
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<td>Military Service</td>
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<td>Nutrition Care Management</td>
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<td>Occupational Therapy</td>
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<td>Office Systems Technologies</td>
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<td>Ornamental Horticulture, Technical</td>
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<td>Performing Arts</td>
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<td>Physics</td>
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<td>Police Administration</td>
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<td>Political Science</td>
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<td>Pre-Dental Hygiene</td>
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<td>Pre-Engineering</td>
<td>(Transfer Program)</td>
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<td>Pre-Forestry</td>
<td>(Transfer Program)</td>
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<td>Pre-Medical Sciences</td>
<td>(Transfer Program)</td>
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<td>Pre-Optometry</td>
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<td>Pre-Pharmacy</td>
<td>(Transfer Program)</td>
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<tr>
<td>Pre-Physical Therapy</td>
<td>(Transfer Program)</td>
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<td>Pre-Veterinary Medicine</td>
<td>(Transfer Program)</td>
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<td>Printing Technology</td>
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<tr>
<td>Public Administration</td>
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<tr>
<td>Public Relations</td>
<td>BA</td>
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<tr>
<td>Psychology</td>
<td>BS</td>
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</table>

*Degrees awarded by University of Kentucky*
Quality Assurance Technology .................................. AS
Real Estate ......................................................... BBA
Recreation and Park Administration ...................... BS, MS
Recreation and Park Leadership ............................... AS
Religion ............................................................... BA
School Counseling .............................................. MA in Ed, EdS
School Psychology ............................................. Psy.S
Science (Teaching) ................................................ BS
Secondary Education (24 Discipline Options) .......... MA in Ed
Security and Loss Prevention ................................ BS
Social Work ......................................................... BSW
Sociology ............................................................. BA
Spanish ............................................................... BA
Special Education ................................................ BS, MA in Ed, EdS
Speech Communication ......................................... BA
Speech and Theatre Arts ......................................... BA
Statistics .............................................................. BS
Student Personnel Services in Higher Education ...... MA, EdS
Theatre Arts ........................................................ BA
Transportation and Physical Distribution Management BBA
Vocational-Industrial and Technical Education ........ AS, BS
Wildlife Management ............................................. BS

MINORS
Eastern Kentucky University offers minors in a number of fields. Certain minors are restricted as teaching or nonteaching. Students selecting a minor (not all majors require or provide for a minor) should refer to the appropriate departmental sections of the Catalog for detailed descriptions of course requirements for minors. The following minors are offered, some offering options or areas of specialization.

Aerospace Studies
Agriculture
Anthropology
Applied Statistics
Art
Aviation
Biology
Broadcasting
Chemistry
Child and Family Studies
Clothing
Community Health
Comparative Literature
Computer Information Systems
Computer Science
Corrections and Juvenile Services
Dance
Earth Science (Teaching)
Economics
Emergency Medical Care
English
Environmental Health Science
Fashion Merchandising
Fire and Safety Engineering Technology
Foodservice Administration
French
General Business
Geography
Geology
German
History
Home Economics, General
Humanities
Ibero-American Studies
Industrial Technology

Endorsements/Certificates
The following special endorsements/certificates are offered.

1. Undergraduate
   Adult Corrections Certificate
   Art - Elementary Endorsement
   Driver Education Endorsement
   Medical Record Administration Post-baccalaureate Certificate
   Medical Record Coding Certificate
   Middle School Vocational Home Economics Endorsement
   Physical Education
      Elementary Physical Education Endorsement
      Athletic Coaching Endorsement
   School Business Administration
   School Superintendent
   School Psychology
   Secondary School Principal
   Supervisor of Instruction
   Vocational Administration

Interior Design
Journalism
Managerial Communication
Mathematical Sciences
Mathematics
Media Sales
Military Science
Music
Natural Resource Analysis
Nutrition
Office Administration
Philosophy
Physical Education
Physics
Planning and Development
Police Administration
Political Science
Psychology
Public Relations
Recreation and Park Administration
Religion
Russian
School Health
Security and Loss Prevention
Social Justice
Social Welfare
Sociology
Soils
Spanish
Special Education
Speech Communication
Textiles
Theatre Arts
Traffic Safety
Travel and Tourism
Visual Media
PREPROFESSIONAL CURRICA

1. Pre-Law Curriculum

Students interested in going to law school or exploring the possibility of going to law school should make an appointment with the University Pre-law Advisor as early in their academic career as possible. The Pre-law Advisor is located in the Department of Government. The Pre-law Advisor can guide the student in selecting courses consistent with the American Bar Association recommendations noted below, plus provide valuable information on law schools, the Law School Admission Test, and typical admission procedures.

Prospective law students should keep in mind that a broadly based liberal education will best equip one to study law. Thus, no fixed pre-law curriculum is prescribed. A special committee of the American Bar Association recommends that pre-law students take courses in written and speech communications, accounting, economics, psychology, and historical and contemporary social and political processes.

Regardless of one’s chosen major, the following abilities are absolutely essential in the study of law: to read critically, to think logically, and to write and speak effectively.

Admission to an accredited law school is dependent upon a good undergraduate record with an earned baccalaureate degree and a competitive score on the Law School Admission Test.

2. “Three-Two” Curricula

In addition to standard pre-professional curricula, Eastern may approve specially arranged combined curricula. In these curricula, the student completes three years as outlined at Eastern to meet basic requirements and then transfers a year of successful work from a highly rated professional school in order to secure a Bachelor of Arts or a Bachelor of Science degree from Eastern Kentucky University. This plan may shorten by one year the time needed for obtaining both a baccalaureate and a professional degree.

3. Other Preprofessional Curricula

Descriptions of the following preprofessional curricula may be found on the pages noted:

Pre-Dental Hygiene ................................................... 57
Pre-Engineering ......................................................... 188
Pre-Forestry ............................................................. 188
Pre-Medical Sciences (Pre-Dentistry) .................................. 189
Pre-Optometry .......................................................... 189
Pre-Pharmacy ........................................................... 189
Pre-Physical Therapy ................................................... 57
Pre-Veterinary ........................................................... 78

UNDECLARED STUDENTS

The Office of Academic Support and Undergraduate Studies is responsible for advising lower division students who are not ready to declare a major. Students should declare a major as soon as they are sure of what they want to major in, hopefully by their fourth semester in the University. Until they do declare, their curriculum will include general education courses appropriate for any four-year program, as well as exploratory electives that will allow them to sample disciplines in which they think they might like to major.

Baccalaureate Degree Requirements

COMPREHENSIVE REQUIREMENTS

1. Completion of all requirements in the degree program as established by appropriate University committees.

2. Completion of University academic requirements, including establishing basic skills proficiencies in English, reading, and mathematics; restricted electives; and general education; as established by appropriate University committees for each degree program.

3. Completion of a minimum of 128 semester credit hours, with at least 43 hours at the 300 level or above.

4. Satisfactory completion of the University Writing Requirement.

5. A minimum grade point average (GPA) of 2.0 must be earned on all work taken at Eastern. Transfer students must earn a minimum GPA of 2.0 on the combined transfer work and Eastern work, as well as a GPA of 2.0 on all work taken at Eastern.

6. A minimum of 32 semester hours must be awarded by Eastern.

7. At least 30 of the last 36 hours must be awarded by Eastern.

8. Credits more than eight years old may not be applied toward undergraduate degree requirements unless validated by the college dean.

9. Only one degree will be awarded at the completion of the baccalaureate degree requirements. Students satisfying requirements in more than one major area will earn two or more majors and these will be so noted on their transcripts (see Double Major). These majors will be either baccalaureate second majors or associate second majors.

GENERAL EDUCATION REQUIREMENTS

General Education requirements include 46 hours of coursework which are not necessarily related to the major and which are designed to help the student develop as an educated person and as a citizen. Parts of these standard requirements may be waived if they are met by major programs as indicated in the department curricula of the sponsoring colleges.

The University’s general education program consists of coursework in five broad areas: symbols of information; humanities; social science; natural science; and physical education and health. These areas are subdivided into the 19 categories listed below. Students are required to earn the specified number of hours in the 15 categories noted “required.” In addition they must earn three hours in each of two of the four categories noted “optional” (categories 04, 08, 12, 16).

Notes: Unless otherwise noted, courses award three semester hours of credit. The hours of those courses not awarding three are noted in parentheses following the course name. Course numbers followed by an asterisk (*) have prerequisites or other restrictions on enrollment. See course descriptions in part IV of this Catalog for specific restrictions.

I. Symbolics of Information.

01 Symbolics. English Composition. Three hours required.
ENG 101* English Composition I
ENG 105* English Composition Honors (3 or 6)

NOTE: Students earning “A” or “B” in ENG 105 will earn six hours of credit, three of which will be applied to category 02. Those earning “C” or “D” will earn three hours credit and will then take ENG 102.
02 Symbolics. English Composition. Three hours required.
ENG 102* English Composition II
HON 102* Honors Rhetoric (6; for categories 01 and 02)

03 Symbolics of Information. Three hours required.
ACS 201* Business Communications
CIS 212 Introduction to Computer Information Systems
CSC 104 Computer Literacy with Software Applications
CSC 171 Introduction to Computer Programming-BASIC (1)
CSC 172* Advanced BASIC (2)
CSC 174* Introduction to Computer Programming-FORTRAN
CSC 180 Introduction to Computer Programming-Pascal
FLS 300* Elements of Foreign Language
FRE 101 Elementary French I
FRE 102* Elementary French II
FRE 201* Elementary French III
FRE 204 Review of French Grammar
FRE 211* French Reading I
FRE 340* Intermediate French Phonetics
FRE 360* Intermediate Grammar and Composition
GER 101 Elementary German I
GER 102* Elementary German II
GER 201* Intermediate German I
GER 202* Intermediate German II
GER 204 Review of German Grammar
GER 240* Beginning Conversation
GER 340* Intermediate Conversation
GER 360* Intermediate Grammar and Composition
GRE 101 Elementary Greek I
GRE 102* Elementary Greek II
GSL 112* College Reading/Study Skills
or
GSL 115 Learning Dynamics (1)
GSL 116 Rapid Reading (1)
GSL 201 Vocabulary-Symbolics of Information
NOTE: A maximum of three semester hours of GSL coursework may count toward General Education.

II. Humanities.

05 Chronological Humanities. Three hours required.
ENG 211* Survey of World Literature I
HON 205* Humanities I
HUM 226* Human Experience in Traditional Cultures

06 Chronological Humanities. Three hours required.
ENG 212* Survey of World Literature II
HON 206* Humanities II
HUM 228* Human Experience in the Modern World

07 Creativity Humanities. Three hours required.
ART 200 Art Appreciation: Orientation
ART 390 Survey of Art History I
ART 391 Survey of Art History II
FCC 220 French Culture and Civilization
FCC 222 German Culture and Civilization
FCC 224 Russian Culture and Civilization
FCC 225 Spanish Culture and Civilization
FCC 226 Spanish-American Culture and Civilization
HIS 298 Ideas and the Human Experience
HIS 299 Ideas and the Human Experience
HUM 124* Introduction to Humanities
MUS 171 Enjoyment of Music
MUS 272 Music Literature
MUS 371* Music History I
MUS 372* Music History II
PHE 200 Heritage of Dance
PHI 110 Beginning Philosophy
PHI 130 Beginning Ethics
PHI 240 Philosophy of Religion
PHI 300 Greek and Roman Philosophy
PHI 320 Modern Philosophy
REL 301 World Religions
THE 100 Forms and Philosophy of Theatre
THE 300 Theatre History I
THE 391 Theatre History II

08 Humanities. Three hours optional.
Select an additional three semester hours from category 07 or from the following courses:
CAH 315 Topics in Humanities General Education
III. Social Science.

09 Social Science Principles. Three hours required.
ANT 120 Introduction to Cultural Anthropology
ECO 120* Economics in a World Setting-Principles
ECO 230 Principles of Economics I
NOTE: If general education credit is to be awarded for ECO 230, ECO 231 must also be taken.
GEO 101 Introduction to Geography
GSS 142 Introduction to Social Science
POL 100 Principles of Politics and Government
SOC 131 Introductory Sociology

10 Historical Social Science. Three hours required.
ANT 210 Non-Industrial Societies Around the World
GEO 201 Historical Geography I: Pre-Industrial Era
GSS 246* Pre-Industrial World Civilizations
HIS 202 American Civilization to 1877
HIS 231* Western Civilization I
HON 210* Civilization I
POL 210 Political Development: Traditional and Transitional Societies

11 Historical Social Science. Three hours required.
ANT 211 Industrial Societies Around the World
GEO 202 Historical Geography II: Modern World
GSS 247* Industrialism in World Civilizations
HIS 203 American Civilization Since 1877
HIS 232* Western Civilization II
HON 211* Civilization II
POL 211 Political Development: Modern Societies

12 Social Science: Contemporary Problems. Three hours optional.
ANT 325 Problems in Contemporary Cultures
CSB 315 Topics in Social Science General Education
ECO 130* Contemporary Economic Problems
ECO 231 Principles of Economics II
NOTE: If general education credit is to be awarded for ECO 231, ECO 230 must also be taken.
GEO 302 Conservation and Environmental Problems
GEO 321 Urban Geography
GEO 322 Political Geography
GEO 345 Regions and Nations of the World
GSS 250 Ideologies and Institutions of Contemporary Society
GSS 300 Global Challenge and Response
POL 101 Introduction to American Government
POL 220 Problems of International Politics
POL 300 Contemporary Political Problems
PSY 300* Social Psychology
SOC 235 Social Problems
SOC 237 Population and Society

IV. Natural Science.

13 Biological Laboratory Science. Three hours required.
The listed courses are recommended, but any three-hour biological laboratory science offered by the College of Natural and Mathematical Sciences may be taken.
BIO 100* Introductory Biology
BIO 131 General Botany (4)
BIO 141 General Zoology (4)
BIO 171 Human Anatomy
BIO 301 Human Physiology
and
BIO 378* Human Physiology Laboratory (1)
NAT 101* Biology: The Science of Life

14 Physical Laboratory Science. Three hours required.
The listed courses are recommended, but any three-hour physical laboratory science offered by the College of Natural and Mathematical Sciences may be taken.
AST 135* Introductory Astronomy
CHE 101* General Chemistry I (4)
CHE 105* Chemistry for the Health Sciences I (4)
CHE 111* Introductory Chemistry I
GEO 210 Introduction to Physical Geography
NOTE: Only one course from GEO 210 and 215 may be used to meet general education requirements.

15 Natural Science. Three hours required.
The courses listed below and those listed for categories 13 and 14 are recommended, but any natural science course offered by the College of Natural and Mathematical Sciences may be taken. See your advisor.

ANT 201 Introduction to Physical Anthropology
or
ANT 206 Human Evolution
or
ANT 380* Forensic Anthropology
AST 130* Introductory Astronomy
AST 330 Theories of Modern Astronomy
BIO 300 Economic Plants
BIO 301 Human Physiology
BIO 302* Human Heredity
BIO 303* Human Heredity and Society
BIO 304* Birds of Kentucky
BIO 317 Conservation of Wildlife Resources
BIO 399* Trends in the Biological Sciences
CHE 100 Molecules and Modern Society
CNM 315 Topics in Natural Science General Education
GEO 215 Introduction to Meteorology
NOTE: Only one course from GEO 210 and 215 may be used to meet general education requirements.

GLY 104 Introduction to Oceanography
GLY 107* Principles of Geology
GLY 302 Earth Science
GLY 390 Environmental Geology
NAT 173* The Physical Environment
NAT 262* Ecology and Human Affairs
NAT 263* Ecology and Human Affairs

GENERAL ACADEMIC INFORMATION
16 Natural Science. Three hours optional. Select an additional natural science course offered by the College of Natural and Mathematical Sciences. Courses listed for categories 13, 14, and 15 are recommended.

V. Physical Education and Health.

17 Physical Education I. One hour required.
HPR 180 Fitness and Wellness (1)

18 Physical Education II. One hour required.
HPR 282 Exercise, Movement, and Sports Skills (1)

19 Health. Two hours required.
HEA 281 Personal and Community Health (2)

RESTRICTED ELECTIVE REQUIREMENT
Eight semester hours are to be completed by students seeking the baccalaureate degree. The requirements may be met by MIL 101, 102, 202, and 203 or by electives from at least two departments outside of the student’s major. These electives may not be used to meet general education or other program requirements, nor may they be taken “Pass-Fail.”

LOWER DIVISION REQUIREMENTS
The following courses or their equivalents are to be completed during the first 60 semester hours earned by the student.

ORIENTATION—100
01/02 ENG 101 and 102 or 105 or HON 102 (six semester hours)
17/18 HPR 180 and 282 (two semester hours)

In addition, a student in consultation with his/her advisor should try to complete nearly 50 percent of the General Education program during these first 60 hours.

DOUBLE MAJOR
A student pursuing an associate or baccalaureate degree may consider a double major which, when completed, will be properly recorded on the official transcript. Students wishing to work for a double major should contact the Dean for Academic Support and Undergraduate Studies for clarification regarding the special provisions and conditions of this type of combined program.

Associate Degree Requirements

COMPREHENSIVE REQUIREMENTS
1. Completion of all requirements in the degree program as established by appropriate University committees.
2. Completion of University academic requirements, including restricted electives and general education, as established by appropriate University committees for each degree program.
3. A minimum of 64 semester credit hours.
4. A minimum grade point average (GPA) of 2.0 must be earned on all work taken at Eastern. Transfer students must earn a minimum GPA of 2.0 on the combined transfer work and Eastern work, as well as a GPA of 2.0 on all work taken at Eastern Kentucky University.
5. A minimum of 16 semester hours must be awarded by Eastern.
6. A minimum of 15 of the last 18 hours must be awarded by Eastern.
7. Credits more than eight years old may not be applied toward associate degree requirements unless validated by the college dean.
8. Only one degree will be awarded at the completion of these requirements. Students satisfying requirements in more than one associate degree area will earn two or more majors at the associate degree level, and this will be noted on their transcript.

GENERAL EDUCATION REQUIREMENTS
A minimum of 16 hours in courses approved for general education are required for all associate degree programs. These hours must include ENG 101 and ENG 102 or their equivalent. The ten additional hours must include approved courses in categories 05-08 (Humanities); categories 09-12 (Social Science); and categories 13-16 (Natural Science) or an approved MAT course from category 03. Courses that meet general education requirements have been identified by an asterisk (*).

RESTRICTED ELECTIVE REQUIREMENT
The associate degree requires completion of one-half of the restricted electives (four semester hours) as noted under the baccalaureate degree.

Academic Regulations
It is the student’s responsibility to become familiar with all regulations and procedures required in the program being pursued. In no case should a student expect waiver or exception to published program requirements by pleading ignorance to the regulation or asserting that an advisor or other authority did not directly present the information. All students should become familiar with the general academic information section of the Catalog and the specific college/departmental program requirements.

DEVELOPMENTAL REQUIREMENTS
All students at Eastern Kentucky University must demonstrate proficiency in the three basic skill areas of reading, writing, and mathematics. These basic proficiencies are measured by the student’s performance on the ACT test, EKU placement tests, and, in the case of transfer students, performance at the previous institution. Students identified as needing additional help in these basic skill areas before they confront a rigorous academic program are required to enroll in and pass appropriate developmental courses designed to improve their skills.

Credits earned in developmental courses do not apply toward graduation (“institutional credit only”), but they do count toward one’s enrollment status for such purposes as financial aid eligibility and full-time student status.

A student who fails a developmental course twice will be dismissed from the University and will be ineligible to enroll until the required developmental course has been completed. The student may complete the requirement in one of the following ways: 1) enroll in and successfully complete the course during an Eastern summer session; 2) enroll in and successfully complete the developmental class as provided by
the University Special Admission policy; 3) successfully complete an equivalent course at another institution and then pass the appropriate Eastern proficiency examination. Students may appeal to the Developmental Readmission Appeals Committee for reinstatement at the University if they believe that failure to complete the required course is a result of catastrophic circumstances beyond their control.

UNIVERSITY WRITING REQUIREMENT
To ensure that graduates of Eastern Kentucky University possess important communication skills, the faculty and Board of Regents have approved a University Writing Requirement. All students must successfully complete six semester hours of English composition coursework as a part of general education. In addition, all students seeking baccalaureate degrees from Eastern, including transfer students, must successfully complete an essay exam in English as a part of the Requirement.

CATALOG
For general education requirements, a student will be governed by the catalog in use at the time the student enters the University. For major program requirements, full-time students use the catalog in force when they declare a major; part-time students by the one in force when they sign a planned curriculum. However, a student may choose to use the current catalog. If a student's enrollment is interrupted for more than one year, the catalog used is the one in force when the student is readmitted.

The above refers only to curricular requirements. With respect to policy requirements, all students are governed by current University policies that have been approved by appropriate University committees.

CLASSIFICATION OF STUDENTS
A student's classification is determined by the number of semester hours earned, as follows:
- Freshman - 0-29 semester hours earned
- Sophomore - 30-59 semester hours earned
- Junior - 60-89 semester hours earned
- Senior - 90 or more semester hours earned.

GOOD ACADEMIC STANDING
A student is deemed to be in good academic standing at Eastern Kentucky University when that student maintains a GPA that permits the student to re-enroll in the institution on a full-time basis and in the duly designated academic program.

SATISFACTORY PROGRESS
Degree seeking students shall be considered to be making satisfactory progress so long as they remain in good academic standing and enroll in courses required by or allowed for in their academic program.

STUDENT LOAD
The normal semester load for undergraduate students is 16 credit hours. The minimum load to be a full-time student is 12 credit hours. A student who has established superior records may be permitted to enroll for more than 18 hours by the dean of the college in which he/she is majoring. The maximum load is 21 hours.

Six to nine semester hours are considered a normal load for a summer session, fewer than six being a part-time load and more than ten not permitted. The student's academic dean's approval of a ten-semester-hour load is required.

Three semester hours constitute the load for the spring intersession, with a four-hour maximum permitted with approval.

The above limitations apply to all enrollments or combinations of enrollments, such as campus classes, extended campus classes, and/or enrollments at other institutions engaged in by the student for the term specified. Credit(s) beyond these maximums specified and approved will not be recorded by Eastern Kentucky University. A correspondence course taken while in residence is not counted as a part of the student's load.

CLASS ATTENDANCE
Regular class attendance is expected of all students. Each instructor is responsible for recording absences and for dealing with them in a manner consistent with departmental policy for that course. Since attendance policies vary among departments and for courses within departments, it is essential that students be familiar with the policy announced by each instructor.

A student who presents the instructor with an adequate and documented reason for an absence normally will be given an opportunity to make up the work missed, if this is feasible. Adequate reasons involve circumstances beyond the student's control, such as personal illness, critical illness or death in the immediate family, or participation in an approved University activity. The responsibility for initiating the request to make up classwork missed is vested in the student.

SCHEDULE CHANGES
Schedule changes that involve adding courses must be accomplished by the date published in the applicable Schedule of Classes Bulletin.

With the advisor's approval, a student may officially drop a course only through the eighth week of classes during a regular semester (or the mid-point of any intersession, summer session, or non-standard course).

Courses dropped during the first week of a regular semester will not appear on the student's grade report or transcript. Courses dropped from the beginning of the second week through their mid-point (eighth week of a full semester) will be assigned a grade of "W," which will appear on the student's grade report and transcript. Students who stop attending after the mid-point of the course will be subject to assignment of the grade of "F."

After the eighth week, or mid-point, students who are victims of extraordinary circumstances beyond their control may petition in writing for an administrative withdrawal from a class. The petition must include the justification and documentation for the drop and should be addressed to the Vice President for Academic Affairs and Research. A Change of Schedule form signed by student's advisor must be enclosed with the petition. If approved, the grade of "W" will be assigned, and the instructor of the class for which the student is registered will be notified.

Faculty will inform students, upon their request, of their academic progress prior to the last day that a course may be dropped.

Students who are assigned a grade of "F" in a course due to academic dishonesty will not be permitted to drop the course.

WITHDRAWAL FROM THE UNIVERSITY
Students finding it necessary to withdraw from the University must report to the Registrar Records Office, Coates Administration Building, Room 15, to request an official withdrawal from the University. A withdrawal is granted only through the eighth week of classes during a regular semester (or mid-point of any intersession, summer session or non-standard course). A grade
of "W" is assigned. Students who leave the University without an official withdrawal are subject to the grade of "F."

After the eighth week, students who are victims of extraordinary circumstances beyond their control may petition in writing for approval of an administrative withdrawal from the University. The petition should include the justification and documentation for a withdrawal and should be addressed to the Vice President for Academic Affairs and Research. If approved, the grade of "W" will be assigned, and the instructors of the classes for which the student is registered will be informed.

### GRADING SYSTEM

#### 1. Letter Grades

Grades, which are represented by letters, are given point values as indicated:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Meaning</th>
<th>Grade Points Per Hour</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Excellent</td>
<td>4</td>
</tr>
<tr>
<td>B</td>
<td>Good</td>
<td>3</td>
</tr>
<tr>
<td>C</td>
<td>Average</td>
<td>2</td>
</tr>
<tr>
<td>D</td>
<td>Poor</td>
<td>1</td>
</tr>
<tr>
<td>F</td>
<td>Failure</td>
<td>0</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete</td>
<td>0</td>
</tr>
<tr>
<td>S</td>
<td>Passing</td>
<td>0</td>
</tr>
<tr>
<td>U</td>
<td>Failure</td>
<td>0</td>
</tr>
<tr>
<td>W</td>
<td>Withdraw</td>
<td>0</td>
</tr>
<tr>
<td>CR</td>
<td>Credit Only</td>
<td>0</td>
</tr>
<tr>
<td>NR</td>
<td>Not Reported</td>
<td>0</td>
</tr>
<tr>
<td>IP</td>
<td>In Progress</td>
<td>0</td>
</tr>
<tr>
<td>NC</td>
<td>No Credit</td>
<td>0</td>
</tr>
<tr>
<td>AU</td>
<td>Audit</td>
<td>0</td>
</tr>
</tbody>
</table>

A student’s GPA is obtained by dividing the total number of grade points earned by the total number of semester hours attempted in courses in which grades of “A,” “B,” “C,” “D,” “F,” or “I” are assigned. To meet graduation requirements of at least a 2.0 GPA, a student must earn at least twice as many grade points as he/she has hours attempted.

A grade of “I” shall be assigned if, in the opinion of the instructor, the student has been unable to complete the course on time because of unavoidable conditions. The student must complete such a course within one month after reentering the University. If the student does not complete the course within one month, the “I” grade becomes an “F.” If a student fails to reenter the University within one year, the “I” grade becomes an “F.”

A grade of “IP” has been approved for those courses in which completion of course requirements might reasonably extend beyond a semester’s timeframe. An “IP” grade for internship, practicum, and self-paced courses must be changed within the calendar year after its receipt to receive credit. If it is not changed, the “IP” grade will be changed to “NC” (NO CREDIT), and the student must register again for the course to receive credit.

#### 2. Pass-Fail (“S” - “U”) Option

The Pass-Fail option is made available to encourage students to take courses they might otherwise avoid because of lack of background or concern for lowering their GPA.

Students who have earned 30 or more semester hours of credit with a minimum GPA of 2.0 may choose the Pass-Fail (“S” - “U”) option for a total of 15 hours of free electives. Courses taken under the Pass-Fail option must be exclusive of general education, major, minor, and other course requirements for graduation. Eligible courses must belong to the exclusive category, free electives. Hours attempted under the Pass-Fail option will not be used in the computation of GPAs.

Students may choose the Pass-Fail option for no more than one course with a maximum of five credit hours per semester. Students may select the Pass-Fail option when they register, and they may change to or from the Pass-Fail option up to the date specified in each semester’s Schedule of Classes Bulletin. See registration form for signatures needed to take a class Pass-Fail.

#### 3. Auditing Courses

A course may be audited, i.e., taken without credit, with the permission of the instructor and the dean of the college involved. Registration procedures and fees are the same as for courses taken for credit. Students who are enrolled for audit must comply with the attendance policy of the instructor, or no course entry will be made on the academic record of the student.

#### 4. Grade Appeals

If a student believes that the final grade assigned in a course is unjustified, that student should consult the instructor, seeking a satisfactory explanation. If, after doing so, the student still feels that the grade is unjustified, the student may, within 30 days after the beginning of the next semester (exclusive of intersession and summer session), appeal the grade, in writing, to the department chair.

### DEAN’S LIST

The Dean’s List, one of several ways in which the University recognizes students who achieve academic excellence, is published after each regular semester. Eligibility requirements for the Dean’s List are as follows:

- **Hours Attempted with Regular Grading**
  - Minimum GPA
    - 12 hours: 3.75
    - 13 hours: 3.65
    - 14 or more: 3.50

Students attempting fewer than 12 semester hours under the regular grading system are not eligible for the Dean’s List. Courses below the 100 level will not be counted in determining eligibility for the Dean’s List.

### REPEATING COURSES

Students may repeat courses under the following conditions:

- The grade which is counted in a course that has been repeated is the last grade awarded, except as noted below.
- A course repeated elsewhere is not considered to be a repeat of the Eastern course.
- A course taken pass-fail or by examination is not considered to be a repeated course.
- A student may enroll in the same course for a third, or subsequent, time only under unusual circumstances and with the written permission of the college dean.

### PLANNED CURRICULUM

The planned curriculum is a statement of the student’s degree requirements. Students in baccalaureate degree programs who have earned 60 semester hours should see their advisor to execute a planned curriculum. Students in associate degree programs who have earned 15 semester hours should see their advisor to execute a planned curriculum.

### MINIMUM SCHOLASTIC STANDARDS

A student will be placed on academic warning or academic probation or will be suspended or dismissed if the cumulative GPA falls below the acceptable academic standards.
1. Academic Warning - Applies to all students whose cumulative GPA falls below 2.0. They and their advisors will be so notified, and the students cannot serve as an officer or committee member in any campus organization or carry more than 16 hours a semester or six hours a summer session.

2. Academic Probation - Applies to all students whose cumulative GPA falls below the values listed below. The students and their advisors will be so notified, and the students cannot serve as an officer or committee member in any campus organization or carry more than 14 hours a semester or six hours a summer session. It is important to note that the student will be continued on academic probation one semester at a time, and during that semester the student must earn a minimum 2.2 GPA as a full-time student or attain a cumulative GPA above the Academic Probation level.

<table>
<thead>
<tr>
<th>Cumulative Hours Attempted</th>
<th>Cumulative GPA</th>
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<tbody>
<tr>
<td>1-16</td>
<td>1.2</td>
</tr>
<tr>
<td>17-32</td>
<td>1.4</td>
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<td>33-48</td>
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<td>49-64</td>
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<td>65-80</td>
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<td>81-96</td>
<td>1.8</td>
</tr>
<tr>
<td>97-112</td>
<td>1.9</td>
</tr>
<tr>
<td>113 AND UP</td>
<td>2.0</td>
</tr>
</tbody>
</table>

3. Suspension - Students will be suspended from the University for one semester when they fail to meet the above Academic Probation requirements. Immediate readmission may be considered only when failure to achieve the requirements is the result of a catastrophic event.

4. Dismissal - A student deserving suspension for a second time will be dismissed from the University for one year. Readmission after a second dismissal is not normally possible. When students return from Suspension or Dismissal, they return on Academic Probation.

READMISSION UNDER SPECIAL CONDITIONS

1. Academic Bankruptcy of Eastern Kentucky University Work

Academic bankruptcy is a provision which allows an undergraduate student to choose to have none of the previous undergraduate work at Eastern Kentucky University counted toward graduation and toward the computation of his/her GPA.

To be eligible:
(a) a student must be readmitted to the University after an interruption of enrollment of two or more years;
(b) a student must state, in writing, his/her intention to declare bankruptcy to the Office of the Registrar;
(c) no student may declare bankruptcy from Eastern Kentucky University more than one time;
(d) a student must attain a minimum of a 2.25 GPA with no grade lower than a “C” on all Eastern Kentucky University work taken after the readmission noted above and at the end of the term in which the twelfth hour is attempted;
(e) all courses and grades will remain on the student’s transcript and will be counted in computing graduation with honors.

2. Academic Bankruptcy of Transferred Work

Academic Transfer Bankruptcy is a provision allowing an undergraduate to choose to have work attempted at other institutions not counted toward graduation or in their GPA at Eastern Kentucky University.

To be eligible:
(a) a student must not have attended an institution of higher education for a period of at least two years prior to enrolling at Eastern Kentucky University;
(b) a student must state, in writing, the intention to declare bankruptcy to the Office of the Registrar;
(c) a student must attain a minimum of a 2.25 GPA with no grade lower than a “C” on all work taken at the end of the term in which the twelfth hour is attempted at Eastern Kentucky University;
(d) a student may declare Academic Transfer Bankruptcy on work from a single institution or from several; however, Academic Transfer Bankruptcy may be declared only once;
(e) bankruptcy of work from a transfer institution applies to all work from that institution; no courses or grades earned there may be counted toward a program at Eastern Kentucky University;
(f) all courses and grades will remain on the student’s transcript and will be counted in computing graduation with honors.

3. One-Course Enrollment

Students who have been suspended or dismissed may enroll in a single course on a part-time basis during regular semesters and intersessions, or six semester hours during summer sessions in an attempt to bring their GPA above the Academic Probation level. Readmission to the University would be based upon achieving an overall GPA above the Academic Probation level or meeting the guidelines noted under suspension or dismissal.

4. Special Opportunity

A student who has been out of college for at least 12 months, who has been pursuing a baccalaureate program, and who wishes to reenroll in an associate degree program may be permitted to reenroll with the provision that grades for previous courses not applicable to the associate degree requirements will not be considered in determining his/her GPA. If the student subsequently is permitted to enter a baccalaureate program, grades in all courses attempted will be included in the computation of the GPA for the baccalaureate degree program. The curriculum contract required for participation in this program must be initiated through the Dean for Community College Programs.

CORRESPONDENCE CREDIT

Up to 32 semester hours of credit may be earned through correspondence courses for a baccalaureate degree and 16 semester hours for an associate degree. A student who wishes to apply correspondence credit toward graduation requirements must meet all course requirements, including the final examination, by the following dates: December graduates by November 1, May graduates by March 1, and August graduates by July 1.

CREDIT BY EXAMINATION

To demonstrate competence attained through educational experiences other than university instruction, students may attempt to earn academic credit by examination in certain undergraduate courses designated by the department. Conditions which apply to credit by examination are:

1. Only admitted students are eligible for credit by examination.
2. Credit earned by examination is recorded without a letter grade; hence, it has no effect upon the overall GPA.
3. A student may attempt to earn credit by examination in a particular course only once.
4. Credit may not be earned by examination in a course which has been failed without the approval of the dean of the college offering the course.
5. A student may not take a course specific College Level Examination Program (CLEP) or departmental examination for credit for a course in an area in which advanced course work
has already been completed as determined by the department responsible for the discipline under consideration.

6. General CLEP examinations may not be taken after the completion of 30 semester hours of college credit without special approval from the Dean for Academic Support and Undergraduate Studies.

7. Special fees are assessed for credit by examination and must be paid prior to taking an examination.

8. A student may attempt to earn credit through a CLEP exam or an American College Testing Proficiency Examination Program (ACT-PEP) exam either before or after enrolling at Eastern and through departmental exams and National League of Nursing exams after enrolling; however, credit earned will not be officially recorded until the student has completed at least 12 semester hours of credit in regular courses at Eastern with a minimum GPA of 2.0.

SUBSEQUENT DEGREES

Students having earned one degree may subsequently pursue another, either associate or baccalaureate, by completing all of the requirements of the subsequent degree, including major, supporting, and general education requirements. While some of the hours earned from the earlier degree may count toward the subsequent degree, at least 16 additional approved semester hours are required for an associate degree, and at least 32 additional hours are required for a baccalaureate degree. If approved in advance by the dean, the student may earn up to eight of the additional hours required for an associate degree while working on the prior degree. Again, with advance approval, the student may earn up to 15 of the additional hours required for a baccalaureate degree while working on the prior degree.

Graduation

APPLICATION FOR GRADUATION

Students completing requirements for graduation in December should apply before the end of the preceding April; May and August graduates should apply by the end of the preceding October.

Appropriate ceremonies are held at the close of the fall and spring semesters and the summer session. Students who are candidates for degrees are encouraged to participate in the ceremony.

Students who complete degree programs in December are invited to participate in the May commencement exercises. However, they will be mailed their diplomas after the end of the fall semester. A reception is held in December to honor those completing degree programs during the fall semester.

HONORS FOR BACCALAUREATE DEGREE GRADUATES

Students are graduated Summa Cum Laude who attain a cumulative GPA of 3.9 or higher on all semester hours transferred to or attempted at Eastern Kentucky University and complete a minimum of 64 semester hours at Eastern Kentucky University.

Students are graduated Magna Cum Laude who attain a cumulative GPA of 3.7 but less than 3.9 on all semester hours transferred to or attempted at Eastern Kentucky University and complete a minimum of 64 hours at Eastern Kentucky University.

Students are graduated Cum Laude who attain a cumulative GPA of 3.5 but less than 3.7 on all semester hours transferred to or attempted at Eastern Kentucky University and complete a minimum of 64 semester hours at Eastern Kentucky University.

Students are graduated as Honors Scholars upon successful completion of Eastern Kentucky University’s Honors Program, satisfy all comprehensive and program requirements for an undergraduate degree from this University, and graduate with a cumulative GPA of at least 3.0.

All semester hours transferred to or attempted at Eastern Kentucky University, including those which are subsequently repeated or bankrupted, will be used in calculating GPAs for the purposes of honors recognition.

HONORS FOR ASSOCIATE DEGREE GRADUATES

Students are graduated With High Distinction who attain a cumulative GPA of 3.7 or higher on all semester hours transferred to or attempted at Eastern Kentucky University and complete a minimum of 32 semester hours at Eastern Kentucky University.

Students are graduated With Distinction who attain a cumulative GPA of 3.5 but less than 3.7 on all semester hours transferred to or attempted at Eastern Kentucky University and complete a minimum of 32 semester hours at Eastern Kentucky University.

All semester hours transferred to or attempted at Eastern Kentucky University, including those which are subsequently repeated or bankrupted, will be used in calculating GPAs for the purpose of honors recognition.
# ACADEMIC DIVISIONS

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<td>213</td>
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## Course Prefixes

- ACO—Accounting
- ACS—Administrative Communication and Services
- AFS—Aerospace Studies (Air Force ROTC)
- AGR—Agriculture
- AHN—Allied Health & Nursing
- ANT—Anthropology
- ART—Art
- AST—Astronomy
- AVN—Aviation
- BIO—Biology
- CAH—Arts and Humanities
- CIS—Computer Information Systems
- CDF—Child and Family Studies
- CHE—Chemistry
- CLS—Clinical Laboratory Science (Medical Technology)
- CNM—Natural and Mathematical Sciences
- COMM—Communications
- CON—Construction Technology
- COR—Correctional Services
- CRJ—Criminal Justice
- CSB—Social and Behavioral Sciences Interdisciplinary
- CSC—Computer Science
- EAD—Educational Administration
- ECO—Economics
- EDF—Educational Studies
- EHE—Higher Education
- EHS—Environmental Health Science
- ELE—Early Elementary Education
- EMC—Emergency Medical Care
- EMG—Middle Grade Education
- ENG—English
- EPC—Counseling
- EPY—Educational Psychology
- ESE—Secondary Education
- FCC—Foreign Culture and Civilization
- FIN—Finance
- FLS—Foreign Language Studies
- FOR—Forensic Science
- FSE—Fire and Safety Engineering Technology
- FRE—French
- GBU—General Business
- GEO—Geography
- GER—German
- GLY—Geology
- GRE—Greek
- GCS—Interpersonal Skills and Career Counseling
- GSL—Learning Skills
- GSS—Social Science
- HEA—Health Education
- HEC—Home Economics
- HON—Honors Program
- HIS—History
- HPR—General Physical Education and Lifetime Activities
- HUM—Humanities
- IDH—Interior Design and Housing
- INS—Insurance
- IET—Industrial Education and Technology
- ITA—Italian
- JOU—Journalism
- LAS—Paralegal

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ACADEMIC SUPPORT AND UNDERGRADUATE STUDIES
Course Numbering

Courses are numbered according to the following plan:

- 000-099 are remedial non-degree credit courses
- 100-199 are primarily for freshmen
- 200-299 are primarily for sophomores
- 300-399 are primarily for juniors
- 400-499 are primarily for seniors
- 500-599 are primarily for seniors and are linked with 700 level courses

700-899 are for graduate students only

A student may not take a course numbered more than one year above his/her classification level without advisor permission. To take courses numbered 300 and above in the College of Business, see the College of Business section for requirements.

Special approval must be obtained from the dean of the college offering a 500-level course in order for a junior level student to enroll. Students of less than junior status or unapproved juniors cannot be admitted to a 500-level course and will be disenrolled by the Registrar if such an enrollment occurs.

Course Descriptions

The semester hours which may be earned by successful completion of the course indicated in parentheses immediately following the course title, e.g., (3).

I, II, and A used in the description of a course indicate the course will be offered the fall semester, spring semester, and by announcement, respectively.

The description of the course format for courses which include a laboratory experience is found at the end of the course description. A course which consists of three hours of classroom lecture and two hours of laboratory per week is described as “3 Lec/2 Lab”.

Courses approved for general education are noted as such by the phrase “Gen. Ed.” and a number following the course description. The number refers to the general education category to which the course may be applied. See General Education Requirements.
THE OFFICE OF ACADEMIC SUPPORT
AND UNDERGRADUATE STUDIES

JACK L. CULROSS, DEAN

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As its two-part name indicates, the Office of Academic Support and Undergraduate Studies is responsible for two kinds of activities seeking to benefit the entire undergraduate student body. Through the Office, academic support is made available to all students by such means as courses designed to help students interact more effectively with others and make career decisions. The Offices of Academic Advising and Testing, Admissions, Career Development and Placement, and the Registrar, as well as the federally funded TRIO Programs, provide services at various stages of students' careers. Finally, the office attempts to foster the intellectual growth and development of all students through the general education program, as well as through the honors program and its programs in cooperative education and international education.

GCS—Interpersonal Skills and Career Counseling

198 Interpersonal Effectiveness Seminar. (1) I, II. The course is designed to assist students in gaining confidence in themselves and in relating more effectively with others. Attention is given to assertiveness, values clarification, and effective life management.

199 Career Counseling Seminar. (1) I, II. The eight-week course is designed to assist students in making wise career decisions. Course content is designed to develop self-awareness, values clarification, and awareness of career alternatives. Experiences are provided to develop decision-making skills. A strong emphasis is given to exploring the world of work relative to job traits, demands, rewards, and future trends.

GSO—Orientation

100 Academic Orientation. (1) I, II. An orientation to university academic life and career planning and preparation. Topics include university policies and procedures, program requirements, career opportunities, and introductory study skills. Open to all students during their first two semesters of enrollment at EKU: beyond that open to students with fewer than 30 semester hours earned.

101 Cultural Orientation for International Students. (1) A. An orientation to American customs and the American education system for undergraduate international students attending an American university for the first time. Students are also required to take GSO 100.

Academic Advising and Testing

E. Wachtel, Director

The Office of Academic Advising and Testing is responsible for providing administrative support to and coordination of the University's undergraduate advising system. Every Eastern undergraduate is assigned a faculty advisor. Selected departmental faculty serve as advisors to students with declared majors; other faculty serve as advisors for undeclared students. The office is also responsible for the administration of the developmental testing program in mathematics and reading. The University's developmental program requires testing for all full-time students whose ACT scores are below established cutoffs.

In conjunction with the Office of Student Affairs, the office is responsible for the Freshman Summer Orientation Program. Some 2,000 freshmen are advised and registered each summer through this program.

Career Development and Placement (CD&P)

A. Harvey, Director

Career Development and Placement assists all students and alumni who are seeking employment or clarifying their career direction.

For students who have a tentative career direction or major in mind, CD&P can help by providing information on: careers available in that field, placement of past graduates, career paths, supply and demand, salaries, and potential employers.

Also available are three computerized career planning tools—GIS, SIGI PLUS, and KOICC—that assist students with the career decision process and provide information on occupations, undergraduate and graduate schools, and financial aid sources.

To help students who are entering the employment market (full time, part-time, or summer), CD&P offers seminars and individual assistance on job search skills. This would include the development of job campaign strategy, preparation of the resume and other job campaign correspondence, and the improvement of interview skills. Information about part-time off-campus employment, summer jobs, and internships is also available at CD&P.

Students are made aware of job opportunities sent directly to CD&P through the Job Vacancy Bulletin that is produced twice monthly and is available in 319 Jones. Students may also access thousands of additional positions that come to CD&P via an exchange program from other colleges and universities as well as other specialized job listings.

On campus interviews are conducted throughout the year to provide job opportunities with participating employers. Information on CD&P activities is available through the FYI, departmental bulletin boards, and other campus media.

Cooperative Education

K. Noah, Director

Cooperative education provides the student with an opportunity to blend theory with practice resulting in a balanced
education. Learning within the classroom is combined with practical on-the-job training in business, industry, and/or government.

The determination of eligibility for participation in the cooperative education program is primarily a function of the department in which the student is majoring. Prior to enrolling in cooperative education, an incoming student should normally have completed 30 semester hours of credit. Transfer students should have completed one semester at Eastern before applying for cooperative education. All students must have a 2.0 GPA when applying for cooperative education.

Acceptance of a student into the program is also contingent upon the location of a suitable training site and an agreement with the employer to hire. The employer will be provided with a resume of the student’s scholastic, experiential, and personal data, and the employer will be provided the opportunity to interview each applicant.

The co-op student will normally be employed full-time for a period of one semester following the employer’s schedule. When employed for a full semester, the student may earn a maximum of eight academic credits. If schedules can be arranged, a student may work full time for one-half semester and earn four academic credits. If a department uses the parallel track (½ day on campus, ½ day on the job), four academic credits may be earned. During the summer period, cooperative education experience may be arranged for varying amounts of credit. This credit will be arranged by the academic college or department involved. The type of employment and the total hours of employment are determining factors in assigning co-op credit. The University requires a minimum of 80 hours of employment for each semester hour of academic credit. The salary for each position is negotiable but must fall within State and Federal wage guidelines.

Academic credit will be awarded for cooperative education only when the student is enrolled in the University and in the cooperative education program. Credit may not be awarded for past experiences or for anticipated future experiences. A maximum of eight semester hours may be applied toward meeting graduation requirements for the associate degree, and a total of 16 hours toward the bachelor’s degree. Cooperative education credit for students pursuing a second undergraduate degree will be determined by the academic department.

The student will be assigned a field supervisor by the employer to provide directions and coordination on the job. The field supervisor will also be responsible for providing periodic and final evaluation reports on the student and forwarding this information to the co-op director. Copies of these reports will be forwarded to the academic advisor.

Although the field supervisor will appraise the performance of each student, the grade will be assigned by the department in accordance with established criteria and through a comprehensive evaluation.

To maximize the benefit to the student, it is assumed that the employer will make every attempt to provide the student with a broad exposure to experiences related to the student’s goals and the nature of the training site. The student should, however, realize that he/she is a full-time productive employee. The participating employer, the student, and the University will each sign a letter of agreement spelling out the duties and responsibilities of each party.

This same student will in most instances return to the same location for each cooperative education experience. A student may, however, occasionally be allowed to work for several employers in varying situations as long as the work experience is related to the student’s career goals and those of the program. For additional information, contact the Director of Cooperative Education at (606) 622-1296.

Honors Program

B. Gray, Director

The Honors Program seeks to provide intellectually stimulating courses within the general education program for students with excellent academic backgrounds and/or exceptional potential for superior performance in college. The 28 hours of courses that make up the Honors Program all meet requirements of the University’s four-year programs. That is to say, regardless of the student’s major, the courses taken in the Honors Program will apply to the general education requirements for that major. Thus, honors students complete the program without taking courses beyond those they would take were they not in the Honors Program. Honors coursework is in fields such as rhetoric, humanities, social science, and natural science. All students who successfully complete the full 28 hours of coursework in the Honors Program and graduate with a cumulative GPA of at least 3.0 will qualify as an “Honors Scholar.” The University will recognize this achievement at its annual Honors Day Program at commencement, on the academic transcript, and on the student’s diploma, where the phrase “Honors Scholar” will appear.

Advantages to participants of the Honors Program include opportunities to experience an innovative curriculum developed by first-rate instructors in the context of small group sessions. Small classes will allow abundant opportunities for dialogue with the instructors and with the other honors students. From such experiences honors students should further develop their communication skills, problem solving abilities, and analytic reasoning abilities. Development of these skills and abilities should make students especially attractive to employers when they seek to enter the job market or graduate and professional schools, should they choose to further their education beyond the four-year degree.

The criteria for selection to the Honors Program are a high school cumulative GPA of at least 3.5 on a 4.0 scale, completion of the Kentucky pre-college curriculum or equivalent, and a composite score on the American College Test (ACT) of at least 25 with no individual subject score below 20. Students who do not meet these criteria may request consideration for admission by writing a letter to the Director which should include specific and detailed reasons why the student believes that he/she should be admitted to the Honors Program. Students who are national merit semifinalists or finalists are automatically eligible for the Honors Program. Additional information can be obtained from the Director by calling (606) 622-1403.

HON—Honors Program Courses

100 Honors Seminar. (1) I. This course is designed to be an introduction to the Honors Program and will include selected readings and discussions, guest speakers, and enrichment experiences.

102 Honors Rhetoric. (6) I. Designed to improve skills in writing, reading, oral presentation, and research. Each student will do a research paper that requires both significant use of library resources and the development of a cogent line of argument. Gen. Ed. 01 and 02.

205 Humanities I. (3) II. This course (together with HON 206) provides a survey of great works in the humanities from ancient times to the twentieth century. Gen. Ed. 05.

206 Humanities II. (3) I. This course (together with HON 205) provides a survey of great works in the humanities from ancient times to the twentieth century. Gen. Ed. 06.

210 Civilization I. (3) II. Analyzes the major cultural heritages from the first civilization to the Industrial Revolution. Credit will not be awarded for both HON 210 and GSS 246 or HIS 231. Gen. Ed. 10.

211 Civilization II. (3) I. An honors course that investigates the economic, political, and intellectual forces that have changed the world since the Industrial Revolution. Analyzes the growth and impact of global interdependence. Credit will not be awarded for both HON 211 and GSS 247 or HIS 232. Gen. Ed. 11.
International Education and Foreign Student Advising
J. Flory, Director

There is a growing awareness of the need for greater international and intercultural understanding. The University provides assistance and attempts to foster a greater commitment and involvement in international education throughout the institution.

Eastern Kentucky University has about 150 international students studying at both the undergraduate and graduate levels. These students represent approximately 50 nations. The Director of International Education (Foreign Student Advisor) serves as the designated University official to assist all international students with their legal requirements and their relations with the United States Office of Immigration and Naturalization Services and other official agencies. The Director may also advise and assist international students with other needs as they arise.

Some intercultural activities and services provided by the Division of International Education include an orientation for new students, a host family program, a monthly newsletter, a monthly Cross Cultural Mixer, an International Nights Series, international dinners, four international students organizations, an annual culture festival, a weekly International Film Series, an International Speakers' Bureau, and the EKU International Magazine published twice each year. The Division also awards scholarships to international students each semester.

The Division of International Education also promotes the Eastern Kentucky Study Abroad programs for American students and faculty. Current information on international study, travel, and exchange programs is available.

For more information, contact the Director of International Education, Eastern Kentucky University, 140 Keith Building, Richmond, Kentucky 40475-3119, or call (606) 622-1478.

Office of the Registrar
J. Allgier, Registrar

The Office of the Registrar is responsible for services which assist the students, alumni, and University personnel with the preparation of the schedule of classes, the enrollment of students, the preparation, maintenance, security and delivery of the academic records of the University, the preparation of enrollment and athletic reports as required, the preparation of the commencement exercises dealing with diploma delivery, the academic honors program, the dean's award, and the administration of the minimum scholastic standards policy of the University.

Continuing students should report to the Office of the Registrar for the following assistance: demographic data forms; schedule books; grade reports; transcripts; completion of insurance, governmental, and bank loan forms; class standing; military credit evaluation; name/address changes; withdrawals; and information concerning the academic standards and academic honors programs.

Special Programs for Disadvantaged Students (TRIO)
The following programs are made possible through special grants to Eastern Kentucky University from the United States Department of Education:

EDUCATIONAL TALENT SEARCH PROGRAM
M. B. Sullivan, Director

The Educational Talent Search Program is funded by the United States Department of Education. The goal of the program is to assist participants from designated Central Kentucky counties to continue in, and graduate from, secondary schools and to then enroll in postsecondary educational programs. Educational Talent Search assists students who want to attend postsecondary institutions by offering such services as career counseling, educational counseling, and financial aid information and assistance. Educational Talent Search also offers assistance to participants with special needs by identifying support services for those students. The Educational Talent Search Program offers assistance to high school dropouts through referrals to GED programs and local high schools. Postsecondary stop-outs can also receive program services. All services are free of charge. For more detailed information, contact the Educational Talent Search Program, 418 Begley Building, Richmond, Kentucky 40475-3105; phone (606) 622-5425.

STUDENT SUPPORT SERVICES PROGRAM
N. Hindman, Director; King

The Student Support Services Program provides comprehensive continuing academic assistance for Eastern students with economic or academic disadvantages or physical handicaps that may interfere with their efforts to succeed in college. Centrally located in the historic University Building (Rooms 1 and 5), Student Support Services offers individual supervised peer tutoring in a variety of academic subjects and skills; professional and peer counseling for academic, personal, vocational concerns; individualized academic advising and an expanded GSO 100 Academic Orientation course for the program's undeclared "NOVA" advisees; and informed referral services. Staff members also conduct an extensive tutor and peer helper training program and special evening workshops on such topics as listening and note-taking, time management and study skills, test taking techniques, financial assistance, and career planning. Both professional and student staff members are available to help students from 8:00 a.m. to 4:30 p.m. weekdays, or at other hours by arrangement during the fall and spring semesters. Students seeking assistance can determine their eligibility and apply for services at the program offices or call (606) 622-1047.

UPWARD BOUND PROGRAM
C. Tanara, Director; Hubbard, Hughes

The Upward Bound Program is an educational program serving 100 students from ten high schools in Casey, Garrard, Jackson, Lee, Lincoln, Madison, Powell, and Wolfe counties. It is designed to improve academic skills and generate motivation necessary for success in postsecondary education. Students are eligible who are first-generation (neither parent has a college degree) or who come from a low-income family. It is a three-year program admitting students during their sophomore and junior years of high school. Tutoring sessions and on-campus meetings are held during the school year. During the summer a six-week dormitory residential program includes academic classes, cultural and educational trips, social and recreational activities. Interested students from the above counties should contact their high school guidance counselor or write to the Director, Upward Bound Program, 500 Begley Building, Eastern Kentucky 40475-3105, or call (606) 622-1080.
The Office of Community College Programs has been established within Eastern Kentucky University in recognition of the growing importance of providing trained people with the specific skills and education which require less than four years of training. During recent years, an increasing percentage of the work force has been found in technical, semiprofessional, and service-oriented jobs. Preparation for many of the jobs in these categories requires the skills and knowledge which may be attained through at least two years of college. Many young people are now enrolling in two-year college programs such as those provided by Eastern Kentucky University.

Included among the services offered through the Office of Community College Programs are:

- Information about all two-year programs offered by Eastern Kentucky University.
- Guidance for students or prospective students in selecting a program of study.
- Clearinghouse for information on new or proposed programs.
- Coordination for transfer of students from Kentucky community and junior colleges.
- In cooperation with the respective colleges of Eastern Kentucky University, the following programs of study are offered:

### Associate Degree Programs of Study

#### COLLEGE OF ALLIED HEALTH AND NURSING
- Department of Associate Degree Nursing
  - Nursing (RN)
- Department of Medical Record Science
  - Medical Record Technology
- Department of Medical Services Technology
  - Emergency Medical Care
  - Medical Assisting Technology
- Department of Medical Technology
  - Medical Laboratory Technician

#### COLLEGE OF APPLIED ARTS AND TECHNOLOGY
- Department of Agriculture
  - Technical Agriculture
  - Agricultural Mechanics
  - Beef Herd Management
  - Dairy Herd Management
- Department of Technical Ornamental Horticulture
  - Floriculture and Floristry
  - Landscape Horticulture
  - Turf Management

#### COLLEGE OF BUSINESS
- Department of Home Economics
  - Child Care
  - Interior Design
  - Nutrition Care Management
- Department of Industrial Education and Technology
  - Computer Electronics Technology
  - Drafting and Design Technology
  - Industrial Electronics Technology
  - Printing Technology
  - Quality Assurance Technology
  - Vocational-Industrial and Technical Education

#### COLLEGE OF EDUCATION
- Department of Administrative Communication and Services
  - Office Systems Technologies
- Department of Special Education
  - Special Education with emphasis in Interpreting for Deaf Individuals

#### COLLEGE OF HEALTH, PHYSICAL EDUCATION, RECREATION, AND ATHLETICS
- Department of Recreation and Park Administration
  - Recreation and Park Leadership

#### COLLEGE OF LAW ENFORCEMENT
- Department of Correctional Services
  - Corrections and Juvenile Justice
- Department of Loss Prevention and Safety
  - Business and Industrial Security
  - Fire and Safety Engineering Technology
- Department of Police Studies
  - Police Administration

#### COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES
- Department of Government
  - Paralegal Studies

### Purposes and Characteristics of Curricula

The purpose of Eastern's two-year program is to provide high-quality instruction in a variety of technical, business, semiprofessional, and service-oriented professions. In general, these programs have the following characteristics:

- A minimum amount of time is needed for completion of a...
Two years is normally required to complete an Associate Degree. If transferring into a program, many credits already earned may be applicable.

With rare exceptions, programs are structured to allow direct continuation into a four-year curricula with little, if any, “loss” of credit.

Programs of study emphasize specific skills and knowledge needed within particular career fields.

Many programs may be pursued on a part-time basis.

Graduates of associate degree programs may continue their education toward a baccalaureate or higher degree.

Programs of study combine academic training with laboratory experiences, observations, and “on-the-job” experiences.

Departments maintain close contact and seek the support and advice of business, industry, and potential employers in each specialized area.

**Highlights**

Some of the outstanding features of the two-year programs at Eastern Kentucky University are:

Classes and laboratories are taught by well qualified faculty who combine the best professional training with practical experiences. The same faculty teach students in associate degree programs that teach students in other college programs.

The University provides libraries, shops, laboratories, and other specialized facilities with the latest equipment for use in instruction.

Outside resource people are brought to the University to lecture and demonstrate the latest equipment, methods, and techniques.

Students enrolled in these programs are an integral part of the total University community and are encouraged to participate in all phases of the University’s program-cultural, social, recreational, as well as academic.
Institutions of higher education can no longer meet their responsibility by offering only the service provided by the traditional campus programs. Opportunities must be available for groups and individuals who desire additional education but find it impossible, or at least impractical, to participate in the traditional educational activities of the University. This demand on the University is due to such factors as the need for practitioners to keep abreast of the great expansion of knowledge in their field, the desire for people to improve their competence in their present vocation or prepare for a new vocation, and a renewed interest in educational activities brought about by increased leisure time for many people.

Eastern Kentucky University's Extended Programs meets these needs through extended campus classes, correspondence study, and nontraditional programs. For information, please write to the Division of Extended Programs, Eastern Kentucky University, Richmond, Kentucky 40475-3101, or call (606) 622-2001.

Correspondence Study

Eastern Kentucky University, through its Extended Programs, offers a number of regular college and high school correspondence courses which may be taken on a credit or noncredit basis. The college courses may be applied toward a bachelor's degree from Eastern Kentucky University or other institutions of higher education. The high school courses may also be taken on a noncredit basis for other goals such as studying for professional advancement, exploring new interests, or learning new skills.

Correspondence courses cover essentially the same material as the same or similar courses offered on campus. Students prepare assignments and submit them, along with any questions they may have, to their instructor through the Extended Programs Office. The instructor then evaluates the work and returns the evaluation form with comments. This type of instruction offers an opportunity for the student to be taught on an individual basis.

Nontraditional Studies

The area of Nontraditional Studies focuses on providing educational services to nontraditional target audiences and providing nontraditional alternative methods of earning college credit. Many adults returning to college are doing so after a prolonged absence from any formal education process and require short programs to reorient them to the academic world before enrolling in their first class. In addition, distance from the campus often prevents people from obtaining necessary courses. Therefore, Nontraditional Studies also coordinates the delivery of instruction via telecommunications.

Media Assisted Courses

VIDEO TELECOURSES

Eastern offers credit for courses based on a televised series of instructional programs. The course requires little or no traditional class attendance but does require that a student be able to integrate information from two or more instructional mediums in order to successfully complete the course. Written lessons, projects and exams, in addition to viewing the televised programs, are common components of Television Assisted Courses.

AUDIO TELECONFERENCEING

Short, intensified educational programs can be delivered to students at a distance by utilizing the telephone conference system. Prepared materials are sent to each receiver site in advance of the lecture and are supplemented with a live lecture from the campus via a telephone conference call. As many as ten different sites may be hooked up simultaneously to receive the lecture.

Extended Campus Courses

Eastern Kentucky University strongly holds to the philosophy that there should be a close relationship with the homes, schools, industry, and various community groups of the state with the aim that any citizen may feel free to call upon the University for any assistance which the institution may be able to provide. The extended campus educational program of Eastern is designed to serve students who are unable to enroll in residence or who find it more helpful to work in local groups on certain common problems.
The College of Allied Health and Nursing endorses the
three-fold mission of Eastern Kentucky University. This
mission, for the College of Allied Health and Nursing, includes: (1)
developing the intellectual capacities of our students by provid-
ing the highest level of instruction possible; (2) exploring ave-
uenes of applied research and scholarly activities that support
the instructional mission of the college; and (3) providing
discipline related service and/or consultation to organizations
and agencies that enhance the teaching and scholarly activities
of the college.

The Commonwealth of Kentucky recognizes the need for
education of allied health and nursing professionals; and, there-
fore, supports a broad range of health disciplines. Conse-
quently, an extensive array of health programs have been developed.
The college offers educational opportunities in a variety of
disciplines which are concerned with the maintenance and
promotion of health.

PHILOSOPHY AND GOALS

The faculty of the college ascribes to the philosophy that
each individual has the right to define a set of values and
determine a commitment to them. Further, the identification of
human values evolves through learning which enables the
individual to search for knowledge and truth. The faculty ac-
knowledges the individual's right to meet basic human needs,
including the right to develop full potential.

Traditionally, health care was rendered primarily to the acutely
ill in institutional settings. In the future, the health care focus
will be disease prevention and health maintenance. Such a
focus demands that practitioners be educated on a broad base
which is built upon the biological, social, and physical sciences.
Further, learners must be allowed to practice skills in a variety of
health care systems.

The curricula of various programs are comprised of a series of
planned educational experiences designed to facilitate learn-
ing and to lead to the achievement of clearly defined educational
objectives. The learning of a curriculum enables students to
acquire a body of knowledge, become proficient in skills, and
gain appreciation for the practice of a chosen health care
profession. Education as viewed by the faculty is a cumulative
and ongoing process which results in increasing cognitive,
psychomotor, and affective capabilities for those who pursue it.

OBJECTIVES OF THE COLLEGE

1. To provide opportunities, instruction, and guided experi-
ences by which students may gain the basic knowledge and
attain skills essential to the practice of their respective profession.
2. To provide career guidance that will attract students of
high quality who will find a rewarding career in the health care
field.
3. To investigate societal needs for health care and patterns
of effective delivery.
4. To assist students to prepare for entrance and success-
fully complete a health care program.
5. To determine how additional or better-educated manpower
may improve the quality and or quantity of health care.
6. To encourage students to make meaningful contributions
towards the promotion of better health and prevention of illness.
7. To encourage development of learning experiences that
will enhance the team concept in health care and the principles
of lifelong learning.
8. To provide for career mobility and continuing education
within the various health professions.
9. To provide information and consultation to the community
and the professions for planning and development.
10. To assist the student in recognizing the need for account-
ability to the various "publics" within the health care system.

ADMISSION REQUIREMENTS

The College of Allied Health and Nursing accepts applica-
tions from all persons who are qualified for admission to the
University. All applicants must provide evidence of their ability
to meet the academic standards established by the various
programs. Due to enrollment limitations of programs, applica-
tions should be made early. Applications received after the
deadline of a program will be processed and admissions
recommended on a space available basis. Specific entrance
requirements for each program are shown in the departmen-
tal sections of this Catalog.

GENERAL ADMISSION POLICIES

1. Students must follow the general admission policies of the
University prior to being considered for enrollment in programs
within the College of Allied Health and Nursing. Specific admis-
sion criteria are provided under each of the Allied Health and
Nursing programs. The student is responsible for obtaining
information for the application process including department deadlines.

2. Transfer work must be from an accredited institution and with a minimum grade of "C" in major and supporting courses. The applicant must be eligible to return to the last institution attended.

3. Work taken more than eight years previously must be approved by the Dean of the College.

4. In the event that a student is not accepted for a program, the student who wishes to re-apply must submit a new application and redated materials which will be considered when a new class is accepted.

Students desiring to complete collegiate work required for admission to professional programs may complete this work at any accredited college or university. Students are urged to carefully plan their course of study to include the disciplines and subject areas described in the individual programs.

Students who have not reached a decision on the specific health career in which they wish to enroll may obtain counseling through the office of the Dean. Students will be provided with guidance by individual program directors, as well as the Admissions Coordinator of the College of Allied Health and Nursing.

**STUDENT AGREEMENT STATEMENT**

All students enrolled in the College of Allied Health and Nursing are required to sign an agreement statement which encompasses professional expectations related to the program. This statement is to be signed when the student enters courses in the major.

**STUDENT LIABILITY (MALPRACTICE) INSURANCE**

All students whose programs require participation in clinical learning experiences must purchase and maintain Liability Insurance during the entire clinical experience. Proof of such insurance coverage must be furnished to the department before the clinical experience is scheduled to begin. The University has arranged for appropriate insurance coverage at a modest cost to the student. Further information may be obtained at the student's major departmental office.

**CLINICAL FACILITIES**

The University maintains formal contracts with many health care agencies located throughout Kentucky. The majority of these contracts are within the Blue Grass region. Almost every specialty within the entire health care spectrum is available for use in providing high quality experiences for students enrolled in the programs. A list of co-operating agencies is available through the office of the Dean.

**DEGREE AND CERTIFICATE REQUIREMENTS**

The students are responsible for selection and registration for courses needed for reasonable progress toward their degree or certificate which will enable the students to satisfy requirements for graduation. Students may re-enroll in the same course for a subsequent time only under unusual circumstances and with the written permission of the Dean of the College of Allied Health and Nursing. Students who interrupt their program sequence must obtain approval of the Admissions Committee of the Department prior to re-entry.

The Master of Arts in Education degree with an emphasis in Allied Health is offered in the College of Education with the cooperation of the College of Allied Health and Nursing. The major emphasis of this program is for students who wish to teach in the various allied health disciplines. A core of courses is designed to meet the needs of the students, depending on their clinical backgrounds. Complete requirements of the degree may be found in the College of Education section of the Graduate Catalog.

**BACHELOR OF SCIENCE DEGREE**

The College of Allied Health and Nursing offers the Bachelor of Science degree in environmental health science, medical record administration, medical technology, nursing, and occupational therapy.

**ASSOCIATE OF SCIENCE DEGREE**

The College of Allied Health and Nursing offers the Associate of Science degree in emergency medical care, medical record technology, medical assisting technology, medical laboratory technology, and nursing.

**PRE-BACCALAUREATE AND PRE-ASSOCIATE DEGREE NURSING**

Students who are accepted by Eastern Kentucky University Admissions office and declare their major as baccalaureate nursing are admitted as pre-baccalaureate nursing students. Students who are accepted by the Eastern Kentucky University Admissions office and declare their major as Associate Degree Nursing and are not accepted in the program for the next fall or spring class may enroll in pre-associate degree nursing. These students will be assigned an advisor and will be considered for admission to the program when they meet the admission criteria. The number of admissions to the baccalaureate and the associate degree nursing program (two classes annually in both programs) is limited, and preference will be given to the most highly qualified candidates.

**CERTIFICATES**

Students completing the requirements of Advanced Emergency Medical Care will be awarded a certificate of completion by Eastern Kentucky University. This should not be confused with the state certification of licensure.

The Department of Medical Record Science offers a coding certificate of completion and a post-baccalaureate certificate of completion in medical record administration.

**DEGREE REQUIREMENTS**

General University requirements described on page 31 in Part Three of this catalog, as well as specific course requirements set forth in the description of curricula, must be met by students completing associate and baccalaureate programs administered by the College of Allied Health and Nursing. See programs under each department for major and minor requirements. All freshmen in the College of Allied Health and Nursing must enroll in the Academic Orientation course (ANO 100).

In addition to the general University requirements, specific degree requirements for the College of Allied Health and Nursing are as follows:

**Baccalaureate Degree**

1. A minimum grade point average of 2.0 in each CLS, EHS, MRS, NSC, OTS course and selected AHN courses is required.
2. Hours earned through challenge exams do not count toward the 30 required residence hours.
3. HEA 281 is not required in the general education requirements for nursing students.
4. Eight hours restricted electives are not required for medical record administration students.
Associate Degree
1. A minimum grade point average of 2.0 in each EMC, MAS, MLT, MRS, NUR course and selected AHN courses is required.
2. Hours earned through challenge exams do not count toward the 15 required residence hours.
3. A minimum of 16 hours in courses approved for general education is required for all associate degree programs. These hours include ENG 101 and 102, or their equivalent. The ten additional hours must include approved courses in categories 05-08 (humanities), categories 09-12 (social science), and categories 13-16 (Sciences) or an approved MAT course from category 03. Courses that meet general education requirements have been identified by an asterisk (*). In addition, an orientation course (ANO 100) is required for all associate degree programs. Four hours of restricted electives are required for Emergency Medical Care majors.

ANO—Allied Health and Nursing Orientation

100 Academic Orientation. (1) A. Designed to orient the student to university academic life and afford background for career choice and preparation. Included are University regulations and calendar, catalog details, registration and preregistration, various career opportunities, and program requirements. Open to all students during their first two semesters of enrollment at EKU; beyond that open to students with fewer than 30 semester hours earned.

Courses numbered in the 700 series are open to seniors and graduate students who meet course and program prerequisites. Additional appropriate experiences are required of all graduate students enrolled in the same course with undergraduates. Courses numbered in the 800 series are open only to graduate students.

PLANNED CURRICULUM

Upon completion of 60 hours, a planned curriculum (which specifies the remaining graduation requirements) must be initiated by baccalaureate degree students by consulting the faculty advisor in the major department. Associate degree students may request a planned curriculum after completion of 15 hours. Any subsequent change in the planned curriculum is proposed on forms available in the office of the advisor.

REQUIREMENTS FOR GRADUATION

Students file an application for graduation in the Dean's office. They should apply by the end of April if they will complete requirements in December, and by the end of October if they will graduate in May or August. It is the students' responsibility to plan their program and to register for the proper courses so that they will have satisfied all requirements at the time they expect to graduate.

PRE-PROFESSIONAL ALLIED HEALTH PROGRAMS

Students interested in a baccalaureate degree allied health program, such as physical therapy and dental hygiene, may take two years of pre-professional courses before transferring to another institution at the professional level. It is strongly recommended that out-of-state students communicate with colleges in their own state. Students, at the time of advisement, interested in a specific allied health program such as physical therapy or dental hygiene should provide a copy of the curriculum outline for the program to which they plan to transfer. An advisor will assist in the development of a specific transfer program. The 72 hours of course work listed below will meet the requirements for freshmen and sophomores at most institutions.

Two semesters of English Composition ........................... 6 hours
Two semesters of Psychology ........................................ 6 hours
Two semesters of General Chemistry with lab .................. 9 hours
Two semesters of Physics with lab                         (Physical Therapy) .................................................. 10 hours
Sociology ........................................................................ 3 hours
Two semesters of General Zoology or Biology with lab ...... 8 hours
General Education courses (includes 6 hours of history, 6 hours of humanities, and 6 hours of math) .................. 12 hours
Electives .......................................................................... 18 hours
Total pre-professional courses ...................................... 72 hours

DIVISION OF CONTINUING EDUCATION

J. Collins, Director

The Division of Continuing Education in the College of Allied Health and Nursing serves health professionals whose service-action careers demand educational activities to be ongoing and open ended. Programs for these professionals are specifically tailored to meet expressed job-related needs. Studies are continually conducted so that a wide variety of programs can be offered each year. The offering objectives are to increase the professional's depth in a specialized area of subject matter and to develop an understanding of ways to apply this knowledge to more effectively serve health related needs.

Offerings are designed for single disciplines, for interdisciplinary participation, and on occasion include the general public. Programs are held both on and off campus and include workshops, seminars, conferences, and short term non-credit courses. Program faculty are from university academic departments as well as specialists in health or health related fields from the off campus population.

Continuing Education Units are awarded for successful completion of program offerings. For further information, contact the Division of Continuing Education, College of Allied Health and Nursing, Eastern Kentucky University, Richmond, Kentucky 40475-3127, (606) 622-2143.

INDEPENDENT STUDY LABORATORY

The Independent Study Laboratory is a learning resource center, audio-visual library, and computer center for the College of Allied Health and Nursing. It provides support to the instructional needs of the faculty through the use of audio-visual materials, equipment, and other services. The primary purpose of the Independent Study Laboratory is to provide the student the opportunity to reinforce previous learning of clinical classroom content through independent review of audio-visual materials and CAI (Computer Assisted Instruction) programs. Students also have access to other available resources such as anatomical models, charts, reference books, professional articles, and periodicals. The Independent Study Laboratory is located in the Rowlett Building, Room 310.
The curriculum in Environmental Health Science focuses on the relation of the physical, chemical, and biological factors which affect human health and well-being. Students are prepared at the bachelor's level for a variety of professional careers in environmental health. Employment opportunities are found in the areas of hazardous materials management, industrial health and safety, disease vector control, environmental program planning, and other areas. Employment may be in public health agencies, environmental protection type agencies, government, private industry, insurance companies, consulting firms, and education. The student earns a Bachelor of Science degree in environmental health science. The program is fully accredited by the National Council for the Accreditation of Environmental Health Curriculum. The Department also offers a minor in environmental health science. Students majoring or minorin environmental health science must achieve a minimum grade of "C" in all EHS courses.

OBJECTIVES
The environmental health science graduate is prepared to:

1. Operate and administer programs in the various branches of environmental health including disease vector control, industrial hygiene, housing, water, wastewater, radiation protection, food service sanitation, solid waste management, and air pollution.
2. Recommend appropriate environmental health programs and courses of action designed to meet the requirements in various industries, businesses, and agencies.
3. Evaluate these environmental health programs with respect to the prevention of disease, injury, and preservation of health.
4. Continue his/her education at the graduate levels in both the academic and professional setting.

Environmental Health Science
AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements .............................................. 45 hours
EHS 280, 300, 335, 370, 380, 425, 460, and 463; plus 15 hours selected from EHS 290, 310, 330, 340, 349, 360, 410, 440, 450, or 498. (Note: No more than eight semester hours of credit from EHS 349, EHS 463, or EHS 498 may apply to "Major Requirement" credits for graduation. Any excess must apply to "free elective" credits.)

Supporting Course Requirements .............................. 33 hours
BIO 131 or 141; BIO 211, BIO 320, CHE 111, 112, HEA 290, MAT 107 or 109; PHY 101, and POL 565.

General Education Requirements ............................ 34 hours
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University Requirements.

University Requirements ...................................... 9 hours
ANO 100; eight hours of restricted electives.

Free Electives .................................................. 7 hours

Total Curriculum Requirements .............................. 128 hours

MINOR IN ENVIRONMENTAL HEALTH SCIENCE
A student may minor in Environmental Health Science by completing, with a grade of "C" or better, EHS 280, 300, 370, and an additional nine hours selected from EHS courses with approval of student's advisor for a minimum of 19 hours.

Course Descriptions
EHS—Environmental Health Science

280 Introduction to Environmental Health Science. (3) I, II. Formerly EHS 320. Elements of environmental health, including water and waste treatment, air pollution, food sanitation, vector control, solid waste disposal, and general sanitation problems.

290 Seminar in Environmental Health. (2) II. Formerly EHS 470. Prerequisite: instructor approval. Discussion and analysis of literature related to selected current environmental health problems.


310 Ship and Aircraft Sanitation. (3) A. Prerequisites: EHS 280, 300, and 380; or instructor approval. Covers environmental concerns on ships that may adversely affect the health of crew and/or passengers. Concerns that are unique to aircraft will be covered. The relationship of these to international health will be discussed.

330 Environmental Control of Disease Vectors. (3) I. The identification and control of arthropods, arachnids, rodents, and other vectors of disease. Safe use of pesticides will also be discussed.

335 Hazardous and Solid Waste Management. (3) I. Prerequisites: CHE 111 and EHS 280; or instructor approval. A study of the environmental health and safety aspects of solid waste treatment and disposal, including waste collection practices, treatment processes, toxic and hazardous wastes, disposal techniques, and regulations governing waste management.

340 Industrial Hygiene. (3) II. Formerly EHS 325. Prerequisites: BIO 131 or 141; CHE 111, and EHS 280; or instructor approval. Importance of protecting the work environment. Emphasizes the methods and techniques of maintaining health and safety in industry and agriculture.

349 Cooperative-Environmental Health Science. (1-8) I, II. A. Prerequisite: departmental chair approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. A minimum of 80 hours work required for academic credit.

360 Air Pollution and Health. (4) I. Formerly EHS 400. Prerequisites: CHE 111, CHE 112, and PHY 101; or instructor approval. A study of the health effects of air pollution, including a discussion of the primary sources of airborne pollutants, the control of air pollution, state and national standards.

370 Risk Assessment and Environmental Epidemiology. (3) I. Prerequisites: MAT 105 (or higher math) and EHS 280; or instructor approval. The use of data to define the health effects of exposed individuals or populations to hazardous materials and situations.

380 Food Hygiene. (3) I, II. Prerequisites: BIO 320, CHE 112, and EHS 280; or instructor approval. A study of the health effects of food and milkborne disease, including a discussion of milk and foods as vehicles of infection, essentials of milk and food quality, standards for dairy milk, and food service equipment.

410 Radiological Health. (3) II. A study of health effects of ionizing and non-ionizing radiation, including environmental radiation sources, detection, measurement, control, and safety devices.

425 Environmental Health Program Planning. (3) II. Administration, planning, implementation, and evaluation of environmental health programs. Discussion of resources and promotional techniques, and the role of the environmental health specialist dealing with communities, state, and regional agencies.

440 Environmental and Industrial Toxicology. (3) I. A study of the extent and significance of toxic agents in man's environment, and the physical, chemical, and biological processes which determine their behavior, fate, and effects on human health.
450 Environmental Monitoring Instrumentation. (3) II. Formerly EHS 490. Prerequisites: CHE 112, EHS 300, and 335; or instructor approval. Instruction in trace analysis of environmental samples (air, water, hazardous wastes, food) utilizing gas chromatography, atomic absorption, and mass spectrometry. 2 Lec 3 Lab.

460 Housing and Institutional Environments. (3) II. Prerequisites: EHS 280, 300, and 370; or instructor approval. Discusses the requirements for healthful housing means of attaining and maintaining these requirements. Reviews environmental health concerns relating to day-care centers, schools, hospitals, nursing homes, and prisons. Describes surveillance, evaluative, and corrective methods.

463 Field Experience in Environmental Health. (8) I, II, A. Prerequisites: EHS 300, 335, 380, and department chair approval. Supervised and directed field experience in local, state, regional environmental health agencies, or with appropriate industries. Eight to twelve weeks full-time required depending on work place.

498 Independent Study in Environmental Health. (1-3) I, II, A. Prerequisite: Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Opportunity for individual work on an environmental health research problem in a supervised situation. May be repeated to a maximum of six hours credit.

DEPARTMENT OF MEDICAL RECORD SCIENCE

F. Hindsman, Chair; Andersen, Caldwell, Huston, Jackson.

The Medical Record Science Department offers two methods of progression toward a Bachelor of Science degree in medical record administration.

1. Two-Plus-Two. The student completes the two-year Associate of Science degree requirements for medical record technology before taking the additional course requirements for the Bachelor of Science degree in medical record administration.

2. Four-year. The student bypasses the Associate of Science degree and completes only those courses required for a Bachelor of Science degree in medical record administration.

The department also offers a coding certificate of completion and a post-baccalaureate certificate of completion in medical record administration.

MEDICAL RECORD ADMINISTRATION PROGRAM

The Medical Record Administration Program is accredited by the Committee on Allied Health Education and Accreditation of the American Medical Association in collaboration with the Council on Education of the American Medical Record Association. The graduate is eligible to write the national qualifying examination to become a Registered Record Administrator (RRA).

An RRA serves in an administrative capacity by managing health information systems in hospitals, skilled and intermediate care facilities, comprehensive health care centers, mental health centers, public health departments, governmental health agencies, veterinary institutions, prisons, and any other institutions or agencies that handle records of health care. The RRA also plays an important role in quality assurance activities and contributes to the financial viability of the facility.

DIRECTED PRACTICE AND MANAGEMENT PRACTICUM

During the technical phase of the curriculum, the student is required to spend approximately eight weeks at a hospital or other health care facility for supervised practice in the technical aspects of medical records. During the professional phase of the curriculum, the student is assigned for approximately eight weeks to two health care facilities for observation and practice of the management aspects of medical record practice.

The University assumes full responsibility for making assignments to directed practice sites. The student is responsible for living expenses and travel involved in relocation for these assignments.

ADMISSION/PROGRESSION CRITERIA

The Medical Record Science Department utilizes the open admission policy of the University for students taking courses offered during the first semester of the program. In order to continue in the program and to enroll in MRS courses, the student must meet the following criteria:

1. Maintain an overall GPA of 2.5 on a 4.0 scale.

2. Complete all major and support courses with a minimum grade of "C" after a maximum of two attempts.

For transfer students and students who have changed majors within the University, GPA requirements are applied to the major and support courses accepted toward the declared major.

Major and support courses in the curriculum are those courses with the following prefixes: MRS, AHN, BIO, CHE, CIS, MGT, ACS, STA, and PSY.

Credits of students who transfer from another accredited educational institution will be evaluated against the current curriculum. Equivalent courses taken within another accredited medical record program may be accepted if a minimum grade of "C" was earned. Courses taken within a non-accredited program must be validated by a challenge examination before credit is awarded. An Accredited Record Technician (ART) may receive college credit for all AHN and MRS courses in the medical record technology curriculum by passing the challenge exam for each of these courses. A maximum of four semester hours of credit may be earned by challenging MRS courses in the medical record administration curriculum. A student who is not an ART may earn credit for all AHN courses and two MRS courses in the medical record technology curriculum by passing the challenge exam for these courses.

A student who is not allowed to continue in the program may appeal the decision by presenting the reasons in writing to the Chair of the Admissions and Progression Committee. The student may appeal this committee's decision to the College Admissions Committee by submitting a written request to the Dean of the College of Allied Health and Nursing. The decision of this committee shall be final.

PROGRAM OBJECTIVES

The Medical Record Administration graduate is prepared to:

1. Manage a health information system to meet the needs of the institution;

2. Provide leadership, direction, and structure to effectively supervise, counsel, and evaluate the human resources;

3. Conduct in-service training programs for subordinates and other medical record personnel;

4. Establish procedures and design systems for collecting and processing health information on a manual or computerized basis;

5. Develop and implement policies controlling the release of confidential information;

6. Initiate research and prepare administrative and clinical statistical reports;
7. Provide the medical staff with data needed to evaluate the quality of care;
8. Develop and implement quality assurance/risk management procedures; and
9. Provide consultant services to various types of health care information centers.

FINANCIAL AID
In addition to the regular means of financial aid offered through the Financial Aid office of Eastern Kentucky University, a student entering the final year of study in either medical record administration or medical record technology has an additional option of applying to the Foundation of Record Education of the American Medical Record Association for a low-interest loan. Also, the Kentucky Medical Record Association offers annual scholarships to eligible students in the medical record programs. Information on these programs is available in the Department of Medical Record Science.

Medical Record Administration
AREA MAJOR (BACHELOR OF SCIENCE)
TWO-PLUS-TWO PROGRAM

Major Requirements .............................................. 67 hours

Supporting Course Requirements .......................... 35 hours
BIO 171, 273, 301, CHE 105, CIS 212, MGT 300, 320, ACS 201, 280, STA 209, 210, and PSY 202.

General Education Requirements .......................... 34 hours
Standard General Education program, excluding course categories 13, 14, 15, 16, and 20. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ...................................... 1 hour
ANO 100.

Total Curriculum Requirements ............................. 137 hours

FOUR-YEAR PROGRAM
In addition to the two-plus-two program, a four-year baccalaureate program is offered which differs from the above as follows:
ACS 280 is not required.

Total Curriculum Requirements ............................. 132 hours

POST-BACCALAUREATE CERTIFICATE*
Students who have earned a baccalaureate degree which includes the following courses may be eligible for enrollment for a post-baccalaureate certificate of completion: anatomy and physiology with lab, medical terminology, basic management, basic statistics and an introductory computer course.

*A proposal to classify this as a formal certificate program is pending.

Major Requirements ........................................... 52 hours

Total Curriculum Requirements ............................. 52 hours

MEDICAL RECORD TECHNOLOGY PROGRAM
The medical record technology curriculum is designed to prepare students for employment in medical record departments in various types of health care facilities.
This two-year program is accredited by the Committee on Allied Health Education and Accreditation of the American Medical Association in collaboration with the Council on Education of the American Medical Record Association. The graduate is eligible to write the national qualifying examination to become an Accredited Record Technician (ART).

An ART is skilled in the technical aspects of medical records. Their responsibilities are varied, and may include supervision of the day-to-day operations of a hospital medical record department; reviewing medical records for completeness and accuracy; coding diseases, operations and other data for retrieval purposes; and the maintenance and use of indexes for research and other studies.

Admission and progression criteria are the same as those described for the Medical Record Administration Program.

Financial aid through the Foundation of Record Education and the Kentucky Medical Record Association is also available.

PROGRAM OBJECTIVES
The Medical Record Technology graduate is prepared to:
1. Organize, analyze, and evaluate health records according to established standards;
2. Compile and utilize various types of administrative and health statistics;
3. Code symptoms, diseases, procedures, and other therapies according to recognized classification systems;
4. Maintain and utilize a variety of medical record indexes, storage and retrieval systems;
5. Transcribe medical reports;
6. Prepare health data input for computer processing, storage, and retrieval;
7. Take medical records to court and maintain the flow of health information to all departments in the health care facility;
8. Maintain special registries, such as cancer, trauma, and stroke;
9. Abstract and retrieve health information used for evaluation and planning in health-related programs; and
10. Implement policies controlling the release of confidential information.

Medical Record Technology
ASSOCIATE OF SCIENCE

Major Requirements ........................................... 38 hours

Supporting Course Requirements .......................... 12 hours
BIO 171*, 301*, CIS 212, and ACS 280.

General Education Requirements .......................... 15 hours
ANO 100*, HPR 180*, 282*, three hours general education humanities*, three hours general education social studies*, and six hours of English composition*.

Total Curriculum Requirements ............................. 65 hours
CODING CERTIFICATE

Major Requirements .................................. 15 hours
Supporting Course Requirements ................... 6 hours
BIO 171 and 301.
Total Curriculum Requirements ....................... 21 hours

Course Descriptions

MRS—Medical Record Science

201 Introduction to Medical Record Science. (3) I, II. Medical record content, development of the medical record profession and practice in techniques relative to completion of birth and death certificates, and medical record filing and retention methods. 4 Lec. Lab.

202 Medical Information Processing. (3) I, II. Prerequisites: AHN 200, BIO 171, 301, and MRS 201. Manual and automated processing of medical information. 4 Lec. Lab.

203 Fundamentals of Medical Science. (4) I, II. Prerequisites: AHN 200, BIO 171, and 301. An introduction to the study of disease—its causes, symptoms and treatment. 5 Lec. Lab.

204 Medical Record Technical Practice I. (1) I, II. Prerequisite or Corequisite: MRS 201. Supervised practice in the technical aspects of medical records within local and area hospital medical record departments off campus.

305 Medical Record Standards and Management. (2) I, II. Prerequisite: MRS 201. Prerequisite or Corequisite: MRS 204. Organization and analysis of hospital patient records. Licensing, accreditation and certification standards relative to medical record management.

306 Medical Record Classification and Coding Systems. (3) I, II. Prerequisite: MRS 203 or instructor approval. Coding and classification of symptoms, diseases, operations and procedures according to recognized systems, mainly ICD-9-CM and CPT. Coding of actual hospital records and DRG assignment. 4 Lec./Lab.

307 Medical Record Statistics. (2) I, II. Prerequisite: MRS 201 or instructor approval. Computation and display of medical statistical data for administrative use, health care planning, and medical research. Blocked during the first half of the semester.

308 Specialized Medical Records and Registries. (2) I, II. Prerequisite: MRS 305. Maintenance of medical records in non-hospital health care facilities; organization, functions and procedures of specialized registries; and medical staff organization and functions. Blocked during the first half of the semester.

309 Utilization of Medical Information. (2) I, II. Prerequisite: MRS 305. Introduction to quality assurance, utilization review, and prospective systems. Blocked during the first half of the semester.

312 Medical Record Technical Practice II. (6) I, II. Prerequisite: instructor approval. Internship assignment to hospital medical record departments for observation and practice of technical medical record functions. Blocked during the second half of the semester.

314 Advanced Medical Record Coding. (2) I, II. Prerequisite: MRS 306 or instructor approval. The application of ICD-9-CM, HCPCS, and DSM coding principles to advanced coding problems. Blocked during the first half of the semester.

320 Advanced Medical Record Science. (2) I, II. Prerequisite: MRS 312 or instructor approval. Readings, research, and practical problems related to current issues in medical records.

370 Computerized Health Information Processing. (3) I, II. Prerequisite: MRS 312 or instructor approval. Health information systems, systems analysis, and practical applications of microcomputers.

401 Legal Issues in Health Care. (3) I. Prerequisite: instructor approval. Legal status, documentation requirements, and liability related to medical records and health care issues.

404 Medical Record Consulting and In-service. (3) I. Prerequisite or Corequisite: MRS 320. Planning, implementing, and evaluating medical record consultation services and in-service education programs.

405 Special Topics in Disease Management. (2) I. Prerequisite: final semester in MRA program. A discussion of selected diseases of the major body systems from various perspectives, including clinical, ethical, economical, public health, and the MRA role. Blocked during first half of the semester.

406 Quality Assurance in Health Care. (3) II. Prerequisite: final semester in MRA program. Development and implementation of quality assurance, utilization review, and risk management programs in a health care setting. Blocked during the first half of the semester. 4 Lec./Lab.

407 Organization and Management of Medical Record Departments. (3) I. Prerequisite: MGT 320. Prerequisite or Corequisite: MRS 320. Application of management principles to the administration of hospital medical record departments.

410 Research Methods in Medical Record Administration. (3) I. Prerequisites: MRS 370, STA 208, and 210. Introduction to the process of research, related terminology and statistical techniques, significance to health care. Introduces published research articles, and development of a protocol.

412 Medical Record Management Practicum. (6) II. Prerequisite: final semester in MRA program. Internship assignment to hospital medical record departments for observation and practice of management functions. Blocked during the second half of the semester.

414 Seminar in Medical Record Management. (1) II. Corequisite: MRS 412. Review and discussion of medical record administration in theory and in practice.

AHN—Allied Health and Nursing

100 Introduction to the Health Science Field. (3) I, II. Overview of U.S. health care: history, factors influencing health and health care, identification and organization of health facilities and professionals, health economics, health trends, and ethics.

332 Legal Principles for Health Care Professionals. (2) I, II. Basic aspects of law and its implications for health care, including professional liability, confidentiality, consent, and authorizations, and contemporary issues.

DEPARTMENT OF MEDICAL SERVICES TECHNOLOGY

J. Repede, Chair; BERGE, BLAKENEY, BREKKEN, CREMEENS, FOLEY, HOWARD, NEWSOME, RENFRO.

EMERGENCY MEDICAL CARE

The emergency medical technician-paramedic (EMT-P) primarily provides pre-hospital emergency care to acutely ill or injured patients by ambulance service and mobile advanced life support units under medical command authority. Secondary, in other appropriate settings which are under physician control. The curriculum is designed to provide the student with the theoretical and practical aspects of emergency medical procedures in the pre-hospital setting.

The program is accredited by the American Medical Association Committee on Allied Health Education and Accreditation in conjunction with the Joint Review Committee on Educational Programs for the EMT-Paramedic.

OBJECTIVES

Upon completion of the program, the graduate is expected to have competency in:

1. recognizing a medical emergency; assessing the situation, managing emergency care, and if needed, extrication coordinating efforts with those of other agencies and establishing rapport with the patient and significant others to decrease their state of crisis:

ALLIED HEALTH AND NURSING
2. assigning priorities of emergency treatment and communicating data to the designated medical command authority;
3. initiating and continuing emergency medical care under medical control; and assessing the response of the patient to that treatment and modifying medical therapy as the situation changes and at the direction of a physician or other authorized personnel;
4. exercising personal judgment in case of interruption in medical direction caused by communication failure or in cases of immediate life-threatening conditions;
5. directing and coordinating the transport of the patient by selecting the best available method(s) in conjunction with medical command authority;
6. recording in writing or dictation the details related to the patient's emergency care and the incident; and
7. directing the maintenance and preparation of emergency care equipment and supplies.

ADMISSION PROCEDURE
Students who have been admitted to the University and College of Allied Health and Nursing and who declare their major as Emergency Medical Care are admitted to the pre-emergency medical care program. Admission to the pre-emergency medical care program does not guarantee admission to the advanced emergency medical care (Paramedic) program.

ADMISSION REQUIREMENTS
Pre-emergency medical care students are accepted each semester. Students will be selected for admission into the advanced emergency medical care program which begins once a year in the fall semester. Selection is in order of priority on the basis of highest cumulative grade point average and the criteria listed below. Due to limited enrollment, students are advised to apply as early as possible.

ADVANCED EMERGENCY MEDICAL CARE (PARAMEDIC) ADDITIONAL REQUIREMENTS
1. Students must be currently certified by the Kentucky Cabinet for Human Resources as an Emergency Medical Technician (EMT) and by the American Heart Association as a Basic II Provider.
2. Students must submit a completed physical examination form upon entrance and completion of the program. These forms are provided by the program. The physical examination must be performed by a physician licensed to practice medicine as approved by the Medical Advisor.
3. Students must successfully complete a written entrance examination administered by the program.
4. Students must have a minimum grade of "C" in all emergency medical care courses, plus AHN 240, BIO 171, and BIO 301.
5. Students must have a minimum cumulative grade point average of 2.0 on a 4.0 scale.

STUDENT LIABILITY INSURANCE
Students must purchase and maintain the College Student Liability Insurance prior to enrollment in EMC 110, 115, 342, 352, and 362.

Emergency Medical Care
MAJOR (ASSOCIATE OF SCIENCE)

Major Requirements .................................................. 38 hours
EMC 110, 115, 200, 205, 212, 215, 225, 310, 320, 335, 340, 342, 352, and 362.

Supporting Course Requirements .................................. 3 hours
AHN 240.

General Education Requirements .................................. 23 hours
ANO 100*, BIO 171*, 301*, three hours general education humanities*, three hours general education social science*, four hours of restricted electives*, and six hours of English composition*.

Total Curriculum Requirements ..................................... 64 hours

ADVANCED EMERGENCY MEDICAL CARE, CERTIFICATE

Major Requirements .................................................. 38 hours
EMC 110, 115, 200, 205, 212, 215, 225, 310, 320, 335, 340, 342, 352, and 362.

Supporting Requirements .............................................. 9 hours
AHN 240, BIO 171, and 301.

Total Curriculum Requirements ..................................... 47 hours

MINOR IN EMERGENCY MEDICAL CARE
A student may minor in Emergency Medical Care by completing EMC 110, 115, 200, and nine hours of AHN or EMC courses approved by the Department of Medical Services Technology.

Course Descriptions
EMC—Emergency Medical Care
102 First Response Emergency Care. (3) I, II, A. Initial emergency medical care techniques adhere to U.S. Department of Transportation curriculum for First Responder. Cardiopulmonary resuscitation (CPR) certification required for course completion. Credit will not be awarded for both EMC 102 and HEA 202 or HEA 203. 2 Lec 2 Lab.

110 Introduction to Emergency Medical Care. (5) I, II, A. Basic life support concepts and skills for the entry level Emergency Medical Technician (EMT) adhere to the U.S. Department of Transportation standards and curriculum. Credit will not be awarded for both EMC 110 and FSE 301. 3 Lec 3 Lab.

115 Basic Clinical Field Experience. (3) I, II, A. Formerly EMC 111 and 112. Prerequisite: EMC 110. A minimum of 144 supervised contact hours in hospital emergency department and with assigned ambulance provider for application of basic life support concepts and skills.

200 Introduction To Prehospital Advanced Life Support. (2) II, A. Prerequisite or Corequisite: EMC 115 or department approval. Role and responsibilities of EMT-Paramedic, components of EMS systems, medical/legal considerations, and communications in advanced and basic life support settings.

205 Prehospital Management of OB/GYN Emergencies. (1) I, A. Prerequisite: EMC 110 or department approval. Pathophysiology and advanced level prehospital management of antepartum, parturition, postpartum, and gynecological emergencies. Assessment, care, and transportation of the neonate.

210 Vehicle Rescue. (3) II, A. Access, medical stabilization, and removal of victims from vehicle wreckage. Roles and responsibilities of rescue team members and supervisors. 2 Lec 2 Lab.
212 Crash Victim Auto Extrication. (1) I, A. Prerequisite or Corequisite: EMC 110 or department approval. Survey of vehicle extrication procedures and their applications to U.S. Department of Transportation content and objectives. 1 Lec 1 Lab.

215 Prehospital Management of Behavioral Emergencies. (1) I, A. Prerequisite: EMC 110 or department approval. Concepts and management of emotional and psychological emergencies applied to prehospital crisis intervention.

223 Introduction to Pharmacology. (3) II, A. Introduction to classification, nature, and uses of medications. Pharmaceutical agents utilized in prehospital health care setting emphasized.

300 Mobile Intensive Care Field Experience. (1-3) A. Prerequisite or Corequisite: EMC 362 and instructor approval. Participation on a less dependent basis with an advanced life support ambulance. An independent project is required. Successful completion is based upon evaluation by the Program Medical Advisor. May be retaken to a maximum of six hours.

303 Advanced Rescue Procedures. (3) A. Procedures of assessment of emergency scene, use of various rescue tools for extrication of patient, removal and transfer to emergency care facility.

310 Advanced Cardiac Life Support. (1) I, II, A. Prerequisites: AHN 240, EMC 225, and 335; or department approval. Management of cardiac resuscitation adhering to cognitive and performance standards of the American Heart Association. AHA ACLS Provider certification awarded upon successful completion. 1 Lec 1 Lab.

320 Advanced Life Support: Trauma. (3) I, A. Prerequisites: AHN 240, BIO 171, 301, EMC 115, and 200; or department approval. Prehospital management of complex patients with multiple systems failure secondary to trauma related pathologies.

335 Advanced Life Support: Medical Emergencies I. (3) I, A. Prerequisites: AHN 240, BIO 171, 301, EMC 115, and 225. Pathophysiology and advanced level prehospital management of emergencies of the respiratory, cardiovascular, endocrine, nervous, gastrointestinal, genitourinary, and reproductive systems.

340 Advanced Life Support: Medical Emergencies II. (3) II, A. Prerequisite: EMC 335. Pathophysiology and advanced level prehospital management of emergencies involving anaphylaxis, toxicology, alcoholism, drug abuse, infectious diseases, environmental hazards, and pediatric and geriatric patients.

342 Advanced Clinical I. (3) I, A. Formerly EMC 221. Corequisites: EMC 221. Integration of basic and advanced life support concepts and psychomotor skills in patient care situations developed through supervised assignments in various hospital settings.

352 Advanced Clinical II. (3) II, A. Formerly EMC 252. Prerequisite: EMC 342. Corequisites: EMC 320 and 340. Hospital assignments allow continued development and application of cognitive and psychomotor skills in critical situations for emergency medical technicians. Assignments developed under supervision through increased participation in patient care.

362 Mobile Intensive Care Internship. (6) A. Formerly EMC 262. Prerequisites: EMC 205, 212, 215, 310, 320, and 352. A minimum of 500 hours supervised experience on intensive care vehicle provides progression of responsibilities from observation through working as team member.

**MEDICAL ASSISTING TECHNOLOGY**

The Medical Assisting Technology Program was established in response to the need for skilled individuals to serve as members of the primary health care team in providing optimal health care to people in the community. The Medical Assisting Technology Program, which leads to an Associate of Science degree, enables interested individuals to acquire a basic understanding of the health sciences and an appreciation of human dignity.

The Medical Assisting Technology Program is accredited by the Committee on Allied Health Education and Accreditation and the American Medical Association in collaboration with the American Association of Medical Assistants. Graduates of the program are eligible to take the certification examination administered by the American Association of Medical Assistants. Students develop primary health care skills in diagnostic tests and measurements, therapeutic procedures, and medical office practices. The curriculum combines both general and specialized education in the administrative and clinical areas of medical assisting. Instruction includes both formal class work and directed practical experience in hospitals, clinical laboratories, physicians' offices, health departments, urgent treatment centers, and other health care settings. The course of study may be completed in four semesters plus an intersession.

**OPTIONAL EMPHASIS**

Students taking the medical assisting curriculum may elect to add an emphasis in Pediatrics or Obstetrics Gynecology. In addition to the skills of medical assisting, the pediatric emphasis offers specialized preparation in the care of children. The obstetrics-gynecology emphasis offers specialized preparation in the care of pregnant women and women with gynecological disorders. The additional skills and knowledge gained through either emphasis will give the graduate more job versatility in the specialist's office.

**Pediatric Emphasis (optional)**

- CDF 241, 342, and MAS 222.

**Obstetric/Gynecology Emphasis (optional)**

- CDF 241 and MAS 223.

**PROGRAM OBJECTIVES**

The graduate of the Medical Assisting Program is expected to:

1. utilize knowledge acquired from the curriculum to perform administrative and clinical skills in the physician's office;
2. apply knowledge of human development and behavior to communicate effectively with patients, their families, and health workers;
3. assume ethical and legal responsibility for medical assisting practices;
4. utilize theory and skills to provide patient education;
5. serve as a liaison between the physician and the patient; and
6. accept the responsibility for continuing growth as a person and professional.

The first three-and-one-half semesters are spent on campus in the classrooms and laboratories. The Department has four well-equipped laboratories which permit the student to receive valuable practical simulated experience in primary health care skills. In the second half of the fourth semester, the student receives practical experiences in hospital operating rooms, emergency rooms, and laboratories. The final intersession consists of an externship (MAS 225) during which the student spends five days a week working in physicians' offices.

Following completion of the Medical Assisting Technology Associate of Science degree, students can increase their knowledge and skills by obtaining a four-year degree. There are several related disciplines by which this can be accomplished. Two of the four-year programs which are complimentary to medical assisting are community health and health care administration.

Students desiring to transfer from CAHEA AMA AAMA accredited medical assisting programs may receive credit by examination for specific medical assisting courses.

**ADMISSION REQUIREMENTS AND PROCEDURES**

Two classes are admitted annually, one in the fall semester and one in the spring semester. Admission to the Medical Assisting Technology Program is contingent upon enrollment in Eastern Kentucky University. Enrollment is limited. Applications are accepted according to the dates they are received by the Admissions Coordinator.
1. Apply for admission to the University through the office of Admissions-School Relations.
2. An application form for the College of Allied Health and Nursing, Medical Assisting Technology Program, will be sent to the student following acceptance to the University.
3. This form and a college health history form must be completed and returned to the Admissions Coordinator of the College of Allied Health and Nursing. Immunizations must be current.
4. Results of a rubella titre and tuberculin skin test or chest x-ray must be submitted to the program prior to completion of MAS 111.

STUDENT LIABILITY INSURANCE
Students must purchase and maintain the College Student Liability Insurance prior to enrollment in MAS 111, 112, 220, 221, and 225.

Medical Assisting Technology
ASSOCIATE OF SCIENCE

Major Requirements .................................................28 hours
MAS 100, 111, 112, 220, 221, 225, 233, and 240.
Supporting Course Requirements .................................21 hours
AHN 200, 221, 239, 330, 332, EMC 102, NFA 201, and ACS 107.
General Education Requirements ...............................20 hours
ANO 100*, BIO 171*, 301*, HPR 180* or 282*, three hours
general education humanities*, three hours general education
social science*, and six hours of English composition.
Total Curriculum Requirements ................................69 hours

Course Descriptions
MAS—Medical Assisting Technology
100 Introduction to Medical Assisting. (3) I, II. Medical assisting administrative and clinical responsibilities, human relations, communication skills, professional ethics, and law in health care.
111 Medical Assisting Laboratory Procedures I. (3) II. A. Prerequisite: minimum GPA of 2.0. Prerequisite or Corequisite: MAS 100. Corequisite: MAS 112. Clinical procedures emphasizing quality control, specimen collection, urinalysis, and hematology. 2 Lec/2 Lab.
112 Medical Assisting Techniques I. (3) II. A. Prerequisite or Corequisite: MAS 100. Corequisite: MAS 111. Introduction to clinical skills performed in medical offices with emphasis on asepsis, health history, physical examinations and assessment, vital signs, drug administration, infection control, catheterization and related pathological and physiological conditions. 2 Lec/2 Lab.
220 Medical Assisting Laboratory Procedures II. (4) I, II. A. Prerequisite: MAS 111. Corequisite: MAS 221. Level II clinical skills in urinalysis, hematology, diagnostic and screening tests, clinical chemistry, microbiology, and limited physical therapy. Selected off campus experience required. 2 Lec/8 Lab.
221 Medical Assisting Techniques II. (4) I, II. A. Prerequisite: MAS 112. Corequisite: MAS 220. Level II therapeutic skills including physical assessment, medical history, drug administration, and surgical procedures. Common diseases and conditions and related diagnostic procedures and treatments. Selected clinical experiences required. 2 Lec/8 Lab.
222 Child Health Care. (3) A. Growth and development, the child as a family member, physical assessment, infectious disease and immunization procedures, acute and chronic childhood conditions, with emphasis on treatments and procedures performed in the medical office.
223 The Obstetrical and Gynecological Patient. (3) A. Obstetrical and gynecological management, human reproduction and development, pregnancy, labor, and delivery, characteristics of the normal newborn, obstetric complications and common gynecological conditions with emphasis on treatments and procedures performed in the medical office.
225 Medical Office Externship. (4) II. A. Prerequisites: MAS 220, 221, 233, and 240. Supervised practice in physicians' offices, clinics, and health agencies. 2 Lec/16 Lab.
233 Medical Office Administration. (4) I, II. A. Formerly MAS 231 and 232. Prerequisites: AHN 200, MAS 100. ACS 107, and minimum typing speed of 40 wpm. Knowledge and skills in medical office communication, patient records, medical transcription, and health insurance as related to the operation and management of the medical office. 3 Lec/4 Lab.
240 Medical Office Management. (3) I, II. An introduction to the basic accounting principles pertaining to a medical office and the application of these skills in various situations.

AHN—Allied Health and Nursing
105 Survey of Medical Terminology. (1) I, II. A. Independent study, modular design paced by class meetings includes word roots, prefixes, suffixes, and general medical terms.
200 Medical Terminology I. (3) I, II. A. Basic medical vocabulary consisting of prefixes, suffixes, roots; anatomical, symptomatic, and common disease terms of the body systems.
201 Medical Terminology II. (3) I, II. Prerequisite: AHN 200. Includes surgical instruments and procedures, diseases, laboratory tests, clinical procedures, and abbreviations for each system. Terms related to oncology, radiology, nuclear medicine, pharmacology, psychiatry, systemic disorders, and autopsy procedures.
239 Techniques of Electrocardiography. (1) I, A. Methods of obtaining 12-lead electrocardiogram and survey of cardiac anatomy, physiology, and electrophysiology.
240 Introduction to Electrocardiography. (3) II. A. Cardiac anatomy, physiology, and electrophysiology related to ECG. Proficient ECG interpretation skills emphasized.

DEPARTMENT OF
MEDICAL TECHNOLOGY

R. Schmitt, Chair; Campbell, Cowell, Noblit.

The Department of Medical Technology has two clinical laboratory programs leading to the Bachelor of Science degree and the Associate of Science degree.

The baccalaureate program offers three options:
A first option is a University-based upper division plan, sometimes referred to as a 2-plus-2 program. In this option, all medical technology courses are conducted in laboratories on campus, except for the practicum courses which are presented in a nearby affiliated clinical laboratory for approximately five months under the guidance of EKU faculty. The student seeks admission to this upper division program at the end of the sophomore year. Students who are accepted into the Upper Division Program are guaranteed admission to the practicum courses if they have a grade point average of 2.5 and fulfill prerequisites. Color blind students must obtain a medical evaluation before being admitted to the upper division plan.

The second option is a 3-plus-1 plan which is so designated because students follow a three-year curriculum plan on campus plus one year of organized instruction in an affiliated
Clinical laboratory. The instruction in a clinical setting is described as “Medical Technology Hospital Internship” (CLS 401) and carries a total of 36 semester hours credit. In this plan, it is the responsibility of the student to gain acceptance into an affiliated facility at the end of the junior year.

The third option is in cytotechnology. Contact the department for information and see cytotechnology option in this section.

The Associate of Science degree is awarded upon completion of the medical laboratory technician program. On-campus study and practice are supplemented by a choice of several affiliated laboratories.

These programs lead to excellent job opportunities. Also, pre-med science students (pre-med, pre-vet, etc.) will find this major provides an excellent background and additional marketable skills.

**PHILOSOPHY AND GOALS**

It is the overall objective of the Department of Medical Technology to provide flexible programs which lead to technical competency based on knowledge and understanding. This precept requires the student to develop a sense of purpose and dedication to a health profession, a background in the arts and sciences, and a self-reliant determination to excel.

**ADMISSION REQUIREMENTS**

**Medical Technology Program**

Admission to the major: All students who are accepted by the Eastern Kentucky University Admissions office and declare their major as medical technology are accepted into the pre-medical technology major. Admission to the professional program: An overall grade point average of 2.5 with a grade of not less than “C” in each of the major and supporting courses is required and must be maintained. Transfer students must maintain a GPA of 2.5 in courses at EKU as well as an overall GPA of 2.5. Candidates are selected by committee on a best qualified basis into one of the options described above.

**Medical Laboratory Technician (MLT) Program**

Students interested in pursuing the two-year medical laboratory technician program must meet a minimum of two out of three of the following:

1. ACT minimum standard score of 17
2. Minimum high school grade point average of “B”
3. Projected rank of upper third of high school graduating class. In addition, students must earn a minimum of 2.0 (“C”) in the major courses of the medical laboratory technician program. Students not meeting the requirements will have the opportunity to enroll in general education and support courses in order to establish an acceptable grade point average. Students who meet the above requirements will be accepted into the program within enrollment limits according to date of application. The department reserves the right to accept only the best qualified applicants. While awaiting acceptance, students will be assigned to the pre-MLT major.

College students must have attained a minimum of 2.25 overall grade point average on a minimum of 12 hours attempted. Any change of major or transfer student not having the minimum grade point average will be assigned to the pre-MLT area until the minimum grade point average is attained. A grade point average of 2.25 must be maintained to remain in the MLT Program.

**CURRICULUM CHANGES**

Approved changes in any MT or MLT program are effective during the semester following approval. Curriculum components which are replaced will be acceptable as previously completed. New requirements may be added, however. Consult the department for possible changes to this bulletin.

**PROGRESSION POLICY**

The Department of Medical Technology limits the number of major courses which may be repeated. In addition, a major course or supporting course may normally be repeated only once.

**Medical Technology**

**AREA MAJOR, UPPER DIVISION PLAN**

**OPTION, CYTOTECHNOLOGY**

(BACHELOR OF SCIENCE)

**Major Requirements**

51-56 hours

**Upper Division Core**

56 hours

BIO 520, CLS 201, 300, 305, 308, 310, 320, 346, 411, 431, 432, 434, 436, 437, 438, 439, 440, and 441.

**Option**

Cytotechnology 51 hours

BIO 276, nine hours of MLT and or CLS electives.

**Supporting Course Requirements**

33-36 hours

**Upper Division**

33 hours


**Cytotechnology**

36 hours

BIO 211, 348, and nine hours of Biology electives.

**General Education Requirements**

34 hours

Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

**University Requirements**

9 hours

ANO 100; eight hours of restricted electives.

**Free Electives**

0-3 hours

To be selected by the student from University offerings with advisor approval.

Total Curriculum Requirements 130-135 hours

**Medical Technology**

**AREA MAJOR, 3-Plus-1 PLAN**

(BACHELOR OF SCIENCE)

**Major Requirements**

46 hours

CLS 201, 308, 401, and 411.

**Supporting Course Requirements**

40-42 hours

BIO 211, 320, 348, 520, 597, CHE 111, 112, 325, CHE 330 or 361 with 366, MAT 107, and approved science or math elective.

**General Education Requirements**

34 hours

Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

**University Requirements**

9 hours

ANO 100; eight hours of restricted electives.

**Free Electives**

3 hours

Total Curriculum Requirements 132-134 hours
Course Descriptions

CLS—Clinical Lab Science

201 Introduction to Medical Technology. (3) II. Open to all students. Techniques common to clinical laboratories. Stresses basic physical and chemical principles with career applications. 4 Comb. Lec/Lab.

300 Clinical Laboratory Methods. (2) I. Prerequisite: enrollment in upper division plan or instructor approval. Lab calculations, instrumentation and quality assurance. 2 Lec.

305 Analysis of Body Fluids. (2) I. Prerequisite: enrollment in upper division plan or instructor approval. Principles, procedures, and significance of analysis of urine, spinal fluid, and other fluids commonly examined in the clinical laboratory. 3 Comb. Lec/Lab.

308 Clinical Immunology. (3) I. Prerequisite: pre-MT or MT major or instructor approval. Principles, procedures, sources of error and clinical application of serological tests. Immune mechanisms, serum collection: procedures include ASO, VDRL, RA, LE, IM, Rubella, Cold Agglutinins, fluorescent antibodies, and others. 4 Comb. Lec/Lab.

310 Hematology and Coagulation. (5) I. Prerequisite: enrollment in upper division plan or instructor approval. Morphology of blood, determination of blood parameters and dyscrasias; mechanisms and procedures in coagulation. 6 Comb. Lec/Lab.

320 Immunohematology. (3) II. Prerequisite: enrollment in upper division plan or instructor approval. Blood banking, blood grouping, phenotyping, cell panels, compatibility testing, and transfusion practices. 2 Lec 2 Lab.

346 Clinical Chemistry. (6) II. Cross listed as CHE 346. Prerequisite: enrollment in upper division plan or instructor approval. Introduction to theory and lab procedures, measurement of constituents of body fluids, instrumentation, and clinical interpretation of results in relation to biochemistry of human system. 3 Lec 6 Lab.

401 Medical Technology Hospital Internship. (8-16) I, II, A. Prerequisite: successful completion of three years of the curriculum for the 3-plus-1 medical technology program. Designed for the MT student who is interning at an accredited school of medical technology associated with a hospital. May be retaken to a maximum of 36 semester hours.

492 Cytotherapy Practicum. (9-14) I, II, A. Prerequisite: enrollment in cytotherapy program. Designed for the student who is interning at an accredited school of cytotherapy.

411 Clinical Microscopy. (4) II. Prerequisite or Corequisite: BIO 520. Principles and specific techniques in microscopy including phase, fluorescence, and darkfields. Includes study of parasites and microorganisms in clinical materials. 3 Lec 1 2 Lab.

431 Clinical Correlations. (3) I, A. Prerequisite: enrollment in upper division plan and completion of all 300-level CLS courses. Correlates the sub-disciplines of clinical laboratory science. Reviews all areas and stresses laboratory medicine in the health professions. 3 Lec.

432 Clinical Chemistry Practicum. (5) II, A. Prerequisite: enrollment in upper division plan and completion of all 300-level CLS courses. Diagnostic chemical procedures in an affiliated laboratory.

434 Clinical Microbiology Practicum. (4) I, II. Prerequisite: enrollment in upper division plan and completion of all 300-level CLS courses and BIO 520. Clinical bacteriology, parasitology, and mycology in an affiliated laboratory.

MLT—Medical Laboratory Technician

201 Medical Laboratory Technician I. (3) I, II. Prerequisite: admission to MT program or instructor approval. Introduction to laboratory studies, including laboratory techniques, laboratory mathematics, urinalysis, venipuncture, immunology, and instrumentation. 4 Comb. Lec/Lab.

202 Medical Laboratory Technician II. (3) II. Prerequisite: admission to MT program. Clinical procedures used in hematology, blood grouping, coagulation. 4 Comb. Lec/Lab.

203 Medical Laboratory Technician III. (3) I. Prerequisite: admission to MT program. Clinical procedures used in clinical chemistry, immunology, and parasitology. 4 Comb. Lec/Lab.

205 Practicum I. (7) I, II. Prerequisites: MT 201, 202, 203, and 208. Administrative policies, hematology, serology, and blood banking in an affiliated hospital concurrently with MT 206.

206 Practicum II. (6) I, II. Prerequisites: BIO 276, MLT 201, 202, 203, and 208. Clinical chemistry and microbiology in an affiliated hospital concurrently with MT 205.

207 Technical Correlations. (2) I, II. Prerequisites: MT 201, 202, 203, and 208. Relationships among MT topics. Stresses mastery of the sub-disciplines at technician level, clinical significance and interpretation of lab results. 2 Lec.

208 Clinical Instrumentation. (2) II. Prerequisite: MT student or instructor approval. Practice with clinical lab instruments. Emphasis on principles, use, and quality control. 4 Lab.

FOR MLT TRANSFER TO THE MT PROGRAM

Substitutions may be made as follows:

MT Curriculum Equivalents

MLT Curriculum Courses

AHN 105 or other courses outside Department

BIO 276

MT 201, 202, 203, or 207

MLT 205, 206

Restricted Electives (eight hours maximum)

BIO 320

CLS 201 and Elective

BIO 597

Reduce time in practicum by validation of performance objectives

Other courses in the MLT program are in the MT curriculum. Students may also challenge CLS courses by departmental examination.
DEPARTMENT OF
BACCALAUREATE
NURSING


The Department of Baccalaureate Nursing is approved by the Kentucky Board of Nursing and accredited by the National League for Nursing.

The nursing program leading to a baccalaureate degree is four years long. General education in the sciences and liberal arts provides the basis for and is correlated with the major in nursing. More than half of the collegiate program is devoted to a combination of physical, biological and social sciences, and humanities as deemed essential to the preparation of the professional nurse. The nursing component is composed of the instruction in nursing theory and the application of nursing theory in the clinical setting under the guidance of nursing faculty. Thus, nursing is learned through a combination of formal classroom instruction and supervised experiences in hospitals, clinical agencies and a variety of community agencies. The nursing program prepares the individual to function as a generalist and lays the foundation for graduate study in clinical specialities, research, teaching, supervision and administration. Graduates of the program earn a baccalaureate degree in nursing (BSN) and are eligible to write the national licensure examination. Graduates of the program who successfully write the state board examinations are licensed to practice as registered nurses.

The Baccalaureate Nursing Program is based upon the belief that preparation for professional nursing encompasses a broad, liberal, general, and professional education. Within the framework of Eastern Kentucky University and the College of Allied Health and Nursing, the Department of Baccalaureate Nursing attempts to provide opportunities for the individual to act independently, to think creatively, to communicate effectively, and to serve with enlightenment and imagination. Eastern Kentucky University is located within the foothills of the Appalachian Mountains. Recognizing the influence of culture on health and learning, the department deliberately capitalizes on the location of the institution in its approach to education.

The Department of Baccalaureate Nursing aims to: (1) provide the individual with a broad-based education; (2) prepare professional nurses capable of functioning effectively in varied settings; (3) prepare professional nurses capable of functioning effectively in future emerging roles; (4) instill within the individual a sense of responsibility for continued personal and professional growth; (5) prepare leaders within the profession and society as a whole; and (6) provide the foundation for graduate study in nursing.

The curriculum is organized around a core of general education, selected support courses, and nursing components designed to provide a foundation upon which nursing behaviors are developed. In achieving the program goals, students practice in a variety of settings and utilize the nursing process by drawing on the knowledge of relevant concepts from the biological, physical, social, and nursing sciences.

PROGRAM OBJECTIVES

Upon completion of the baccalaureate program, the graduate will be able to:

1. explain, support, and defend the concept that each human being is unique, holistic, and has rights to self-determination in matters pertaining to health.
2. synthesize empirical and theoretical knowledge from the physical, biological, behavioral, social, and nursing sciences and humanities in the practice of nursing.
3. generate goal-directed communication to establish and maintain caring, therapeutic, and educative relationships.
4. exemplify the professional who is accountable for self-evaluation and self-determination.
5. interpret teaching/learning theories in meeting health education needs.
6. provide nursing care through utilization of the nursing process for people of all ages and stages of development in a variety of settings having varying socio-economic cultural backgrounds and having health concerns of varying complexity.
7. contribute to the alteration of the environment to influence health and the individual's ability to adapt and develop.
8. integrate leadership skills in the practice of nursing.
9. utilize knowledge from research to improve nursing practice.
10. manage, in collaboration with other professionals, the human and environmental resources to ensure quality nursing care.
11. function as a change agent to alter health care systems for improvement of nursing care.
12. influence the emerging role of the professional nurse based on an appreciation of nursing's past and present.
13. assume responsibility for personal and professional growth.

ADMISSION REQUIREMENTS AND PROCEDURES

Admission to the Baccalaureate Nursing Program

All students who are accepted by Eastern Kentucky University's Admissions Office and declare their major as Baccalaureate Nursing (four-year nursing) are admitted to the University as pre-baccalaureate nursing majors. However, admission to the freshman year does not guarantee admission to the clinical nursing courses scheduled for the fourth semester. To be admitted to the clinical nursing courses, students must have completed the first three semesters of college work as outlined in the curriculum plan. All prerequisite courses must be completed with a grade of "C" or better, and a minimum overall GPA of 2.5 on a 4.0 scale must be obtained. Students with a cumulative GPA below 2.5 will not be considered for admission to the Baccalaureate Nursing Program.

In addition to the academic criteria required for admission, the student must meet the standards written into the State of Kentucky Nurse Practice Act. Specifically, the Nurse Practice Act requires that each student be of good moral and ethical character, good mental and physical health, and be academically qualified to fulfill the role and responsibilities of a person licensed to practice as a professional nurse.

Transfers from Other Colleges and Universities

Transfer students must submit copies of all transcripts along with their application to the program. These transcripts will be considered a part of the application process and are necessary to determine admission and placement. All grades earned in any course work will enter into the computation of the GPA when applying to the Baccalaureate Nursing Program. Students wishing to transfer nursing courses from another accredited institution must have a minimum of a "C" in any nursing course to be transferred. In addition, the applicant must submit a reference letter from the director of the program and submit complete course outlines and/or syllabi. This material should be submitted well in advance of expected matriculation in order to provide time for necessary evaluation.

ALLIED HEALTH AND NURSING
PLANT FOR REGISTERED NURSES

The Department of Baccalaureate Nursing offers the opportunity to registered nurses to complete the course of study leading to the Bachelor of Science in Nursing degree. Academic credits earned at other accredited colleges or universities are transferable upon approval of the appropriate department at Eastern Kentucky University. Official transcripts are to be submitted by the student to the office of the Registrar. Credits more than eight years old must be approved. Registered Nurse students are required to take NSC 375, Perspectives of Professional Nursing, but are permitted to challenge 33 hours of selected nursing and allied health courses.

Nursing

AREA MAJOR (BACHELOR OF SCIENCE IN NURSING)

Major Requirements .............................................. 54 hours
NSC 280, 281, 282, 283, 293, 382, 383, 393, 394, 482, 490, 493, 494, and 495.

Supporting Course Requirements ............................. 39 hours
AHN 330, ANT 331 or SOC 400, BIO 171, 273, 301, CHE 105, 106, NFA 201, PSY 202, 280, SOC 131, and 245.

General Education Requirements ............................ 29 hours
Standard General Education program, excluding course categories 9, 13, 14, 15, 16, and 19. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ...................................... 9 hours
ANO 100; eight hours of restricted electives.

Total Curriculum Requirements ............................. 131 hours

Specific Degree Requirements for Bachelor of Science in Nursing

In addition to the general requirements for the baccalaureate degree, students must earn a minimum grade of "C" (2.0) in all nursing and support courses. Students will be required to sign an agreement upon admission to the program which encompasses professional expectations related to the program.

Second Majors or Minors Outside of Nursing

Students pursuing a baccalaureate degree in nursing shall be permitted to declare a minor or a second major outside of the baccalaureate nursing program. Any student who chooses to pursue a minor or second major must have as their primary advisor a faculty member from the Department of Baccalaureate Nursing. A minor or a second major will only be feasible for those students extending their baccalaureate education beyond the traditional four years.

Course Descriptions

NSC—Nursing

280 Introduction to Professional Nursing. (3) I, II. Formerly NSC 290. Prerequisite: sophomore standing or instructor approval. Introduction of selected concepts and constructs which form the foundation upon which professional nursing is based.

281 Fundamental Skills in Nursing. (2) I, II. Prerequisite: taken in semester immediately prior to expected enrollment into NSC 293. Lab course focuses on clinical techniques integral to nursing practice; competency-based approach for selected nursing techniques. Integrates knowledge from behavioral, social, physical, biological and nursing sciences.

282 Nursing and the Interactive Process. (2) I, II. Prerequisite: sophomore standing or instructor approval. Emphasizes knowledge of self, other individuals and groups, and the dynamics of interaction as a means to establish, maintain and alter relationships. Beginning concepts of change and teaching-learning.

283 Nursing Assessment and Intervention I. (2) I, II. Prerequisites: NSC 280, 281, and 282. Corequisite: NSC 293. Focus is on assessment and intervention skills to meet common health needs of children from infancy through early adolescence.

293 Nursing Care of Children. (3) I, II. Formerly AHN 289 and NSC 291. Prerequisites: NSC 280, 281, and 282. Corequisite: NSC 283. Focuses on nursing care of children, early adolescents, and their families along the health-illness continuum. Integrates knowledge from the physical, biological, behavioral, social and nursing sciences and the humanities as a foundation for nursing decision-making in promotion, maintenance, and restoration of health. Student implements the nursing process in caring, therapeutic and educative relationships with children and families in a variety of health care settings.

375 Perspectives in Professional Nursing. (4) A. Prerequisite: R.N. status; admission to the nursing major. Foundation course for registered nurse students which focuses on the changing concepts in professional nursing as developed within the conceptual framework.

377 Study Topic in Clinical Nursing. (1-3) A. Provides enrichment learning for upper division nursing students and practicing registered nurses. Each segment of the course describes the current trends in nursing theory and practice including relevant pathologic processes and usual nursing management. Emphasis on in-depth study of current interest topics. May be retaken to a maximum of six hours credit.

382 Nursing Assessment and Intervention II. (2) I, II. Prerequisite: NSC 283. Corequisite: NSC 393. Focus is on assessment and intervention skills to meet common health needs of late adolescence, the childbearing family and young adults.

383 Nursing Assessment and Intervention III. (2) I, II. Prerequisites: NSC 382 and 393. Corequisite: NSC 394. Focus is on assessment and intervention skills to meet common health needs of adults during their middle years.

393 Nursing Care of Young Adults. (8) I, II. Formerly AHN 389 and NSC 391. Prerequisites: NSC 283 and 293. Corequisite: NSC 382. Focuses on nursing care of late adolescents, young adults, and their families along the health-illness continuum. Integrates knowledge from the physical, biological, behavioral, social and nursing sciences and the humanities as a foundation for nursing decision-making in promotion, maintenance, and restoration of health. Student implements the nursing process in caring, therapeutic and educative relationships with young adults and families in a variety of health care settings.

394 Nursing Care of Middle Adults. (8) I, II. Formerly AHN 390 and NSC 392. Prerequisites: NSC 382 and 393. Corequisite: NSC 383. Focuses on nursing care of middle adults and their families along the health-illness continuum. Integrates knowledge from the physical, biological, behavioral, social and nursing sciences and the humanities as a foundation for nursing decision-making in promotion, maintenance, and restoration of health. Student implements the nursing process in caring, therapeutic and educative relationships with middle adults and families in a variety of health care settings.

482 Nursing Assessment and Intervention IV. (2) I, II. Prerequisite: NSC 383 and 394. Corequisite: NSC 493. Focus is on assessment and intervention skills within the health care system and to meet common health needs of the older adult and the community.

490 Nursing Research. (3) I, II, A. Prerequisite: senior standing in the major. Research processes applied to problems in nursing as a basis for evaluation of existing practice and research. Student designs a research study which may be carried out in independent study.
493 Nursing Care of Older Adults. (5) I, II. Formerly NSC 491. Prerequisites: NSC 383 and 394. Corequisite: NSC 482. Focuses on the nursing care of older adults, and their families along the health-illness continuum. Integrates knowledge from the physical, biological, behavioral, social and nursing sciences for decision-making in promotion, maintenance, and restoration of health. Student implements the nursing process, therapeutic and educative relationships with older adults and families in a variety of health care settings.

494 Nursing Care Practice. (5) I, II. Formerly NSC 492. Prerequisites: NSC 482 and 493. Focus is leadership-management theory, professional role socialization and synthesis of knowledge necessary in complex client situations. Student practices in a clinical setting under supervision of approved preceptor or clinical faculty.

495 Nursing in Transition. (2) I, II. Prerequisite: NSC 493 or department approval. Facilitates synthesis of nursing knowledge and strengthens the student’s ability to apply theory to specific patient situations. Patient case situations from all nursing clinical areas are utilized.

496 Application of Nursing Theory. (2) I, II. Prerequisite: NSC 493 or department approval. Facilitates synthesis of nursing knowledge and strengthens the student’s ability to apply theory to specific patient situations. Patient case situations from all nursing clinical areas are utilized.

498 Independent Study. (1-6) A. Prerequisite: Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Directed study or research on an issue or area of interest to nursing. May be retaken to a maximum of six hour credit.

AHN—Allied Health and Nursing

330 Clinical Drug Therapy. (3) I, II. Prerequisites: CHE 105 and 106 or equivalent and BIO 301. Emphasis on knowledge and actions needed to maximize therapeutic benefits and prevent/minimize adverse effects of drugs. Content includes drug classes, prototypes of drug classes, commonly prescribed individual drugs and drug effects on body tissues.

Course Descriptions

NUR—Nursing

115 Nursing Concepts I. (6) I, II. The nursing process is utilized to assist holistic man to meet basic needs throughout the life cycle. Extensive laboratory and clinical experiences provide opportunities to develop in the roles of a nurse.

125 Nursing Concepts II. (6) I, II. Prerequisite: NUR 115. Builds on concepts and skills from NUR 115 with application to clients from the beginning of the life cycle through death. Enables progression in application of nursing process caring for one or two clients experiencing common stressors.

235 Nursing Problems I. (10) I, II. Prerequisite: NUR 125. Develops competency in the application of the nursing process for clients experiencing interferences with ingestion, elimination, patterns of coping, normal cell proliferation and the integument. Selected clinical experiences of adult and child client utilized.

245 Nursing Problems II. (10) I, II. Prerequisite: NUR 235. Develops competency in the application of the nursing process while caring for one or more clients experiencing common illnesses which interfere with oxygenation, musculoskeletal, regulatory and neurosensory function. Selected clinical experiences utilized.

255 Trends and Issues in Nursing. (2) I, II. Prerequisite: NUR 235. Ethical, legal and professional responsibilities and career opportunities are stressed with historical events in nursing interwoven.

AHN—Allied Health and Nursing

340 Applying Principles of Client Education. (1) I, II. Utilization of teaching-learning principles in development of skills pertaining to client education, communication, and discharge planning.

342 Understanding A.I.D.S. (1) I, II. A seminar intended to inform students about risk factors and implications associated with acquiring A.I.D.S. (Acquired Immune Deficiency Syndrome).
DEPARTMENT OF

OCCUPATIONAL THERAPY

J. Anderson, Chair; Allen, Benzing, Blakeney, Bowen, Clark, Cowan, Kautzmann, Masagatani, Rydeen, Splinter, St. Michel.

Occupational therapy as a health profession has as a primary concern the development of skills and abilities needed in individuals to have independent and productive lives. Reference to "occupation" in the title is in the context of being engaged or "occupied" in meaningful day-to-day living activities including work, leisure, and self-care activities.

Occupational therapy is the use of purposeful activity with individuals who are limited by physical injury or illness, psychosocial dysfunction, development or learning disabilities, poverty and cultural differences or the aging process in order to maximize independence, prevent disability, and maintain health. The practice encompasses evaluation, treatment, and consultation. Specific occupational therapy services include: teaching daily living skills; developing perceptual-motor skills and sensory integrative functioning; developing play skills and prevocational and leisure capacities; designing, fabricating or applying selected orthotic and prosthetic devices or selective adaptive equipment; using specifically designed crafts and exercises to enhance functional performance; administering and interpreting tests such as manual muscle and range of motion; and adapting the environment for the handicapped. These services are provided individually, in groups, or through social systems.

Since the primary focus of occupational therapy is the development of adaptive skills and performance capacity, its concern is with factors which serve as barriers or impediments to the individual's ability to function, as well as those factors which promote, influence or enhance performance.

Occupational therapy is an integral component of today's comprehensive health care. The occupational therapist, as a vital member of the health care team, works with qualified physicians, physical and speech therapists, nurses, social workers, psychologists, vocational counselors, teachers, and other specialists.

Occupational therapy services are provided in a variety of settings and afford numerous employment opportunities. These include health departments, rehabilitation centers, community hospitals, school systems, developmental centers, individual practice, home health programs, and settings serving clients with special problems.

The education and training of the occupational therapist concentrates on the biological sciences such as anatomy, physiology, and neuroanatomy; behavioral sciences such as normal and abnormal psychology and psychosocial development, sociology, and group process; and the theory and practice of occupational therapy.

The occupational therapy program at Eastern Kentucky University was established in 1976 and is jointly accredited by the American Occupational Therapy Association and the American Medical Association Committee on Allied Health Education and Accreditation.

The occupational therapy curriculum is a four-year course of study plus a six-month fieldwork (off-campus internship) in which students are placed in facilities where occupational therapy is practiced. Following successful completion of the program, including OTS 481 and OTS 482 fieldwork (internship), the graduate is eligible to sit for the national certification examination of the American Occupational Therapy Certifica-

OBJECTIVES

The Department of Occupational Therapy is committed to the education of the future occupational therapist as a generalist. The generalist must be qualified and prepared to practice in a variety of modes of health care delivery to service a wide range of client disabilities and age ranges.

Upon successful completion of the baccalaureate program including six months of fieldwork (internship), the graduate will:
1. understand the theoretical bases of occupational therapy;
2. understand and demonstrate the occupational therapy process (assessment, program planning, treatment, discontinuation);
3. understand and demonstrate skill in occupational therapy service management;
4. understand and apply problem-solving methods;
5. communicate effectively with others;
6. demonstrate adaptability and flexibility;
7. demonstrate sensitivity to the needs and feelings of others;
8. respect self and others regarding rights and dignity;
9. function as an independent health practitioner; and
10. realize need for and seek continued learning.

ADMISSION REQUIREMENTS

Students with a standing of second semester sophomore or more shall be considered for admission to the Occupational Therapy Program. Students will be admitted during the fall semester and the spring semester. OTS 232 and OTS 331 will be waived for those students who have successfully completed an Occupational Therapy Assistants Program which has been approved by the American Occupational Therapy Association, and who are certified Occupational Therapy Assistants (proof of certification is required). These students will be admitted to the first semester of the junior year in the Occupational Therapy Program.

Candidates shall be selected from applicants who have met the criteria listed below. Only students with a cumulative GPA of 2.5 or above on a 4.0 scale will be considered for admission to the Occupational Therapy Program. Of necessity, the number of admissions annually is limited and completion of criteria for admissions does not ensure acceptance into the program. Candidates will be selected from those meeting the criteria for admissions to the professional Occupational Therapy Program using the statistical method of random selection. In the event a student is not accepted into the Occupational Therapy Program, the student may re-apply for the next semester by submitting a new application the following semester.

Pre-Occupational Therapy

All students who are accepted by Eastern Kentucky University Admissions Office and declare their major as occupational therapy are admitted to the University as pre-occupational therapy students. However, admission to pre-occupational therapy does not guarantee admission to the professional Occupational Therapy Program which begins second semester, sophomore year. To be eligible for application to the professional Occupational Therapy Program, students must have completed a minimum of 30 semester hours of college credit, prerequisite courses, and have maintained a minimum overall GPA of 2.5 on a 4.0 system.
Transfer Students from Other Colleges and Universities
A transfer student must submit copies of all transcripts to the Eastern Kentucky University Registrar. These transcripts will be considered a part of the application and are necessary to determine admission and placement. Transcripts must be received by the Registrar by the application deadline date. A photocopied catalog description of all transferred support courses must be submitted along with the application form.

CRITERIA FOR ADMISSION TO THE PROFESSIONAL OCCUPATIONAL THERAPY PROGRAM
1. Students must have completed a minimum of 30 semester hours of college credit (developmental courses do not apply to the 30 semester hours) before application to the Occupational Therapy Program.
2. Students must have a minimum cumulative GPA of 2.5 on a 4.0 scale at time of application and at time of enrollment in the professional program. For students having a previous bachelor's or masters degree, only the last 60 hours of coursework will be used in calculating the cumulative GPA.
3. Students must have a minimum of 2.0 in all prerequisite courses at time of application.
4. The following prerequisite courses must be completed before applying to the program: A minimum of three semester hours or its equivalent in human anatomy with a lab (BIO 171), in human physiology (BIO 301), in general psychology (PSY 202), and six semester hours of freshman English composition (ENG 101, 102, or 105).
5. Student must demonstrate an understanding of occupational therapy through one of the following:
   a. completion of OTS 111, Survey of Occupational Therapy, or an equivalent course
   OR
   b. completion of 20 hours of volunteer experience in an occupational therapy setting. [At the time of application, the applicant must submit the following documents: (1) a written statement by an OTR verifying the volunteer experience and (2) a brief summary (one page, typed, double-spaced) written by the applicant describing the role of the occupational therapists in the volunteer setting]
   OR
   c. employment in an occupational therapy setting documented by an OTR. At the time of application, written verification by an OTR must be attached to the application.

ADMISSION PROCEDURES
1. Students must obtain application forms for the Occupational Therapy Program from the Admissions Office, College of Allied Health and Nursing.
2. Students applying for admission to the Occupational Therapy Program must submit their applications and any supporting documents to the Admissions Office, College of Allied Health and Nursing. Students desiring consideration for spring admission must submit all documents by September 15. Students desiring consideration for fall admission must submit all documents by March 1.
3. Student applicants are to provide a list of courses that they expect to complete prior to admission to the Occupational Therapy Program. This list must be submitted along with the application form.
4. Students shall be notified of admission status, in writing, by November 1 for spring admission and April 1 for fall admission.
5. The student who wishes to accept the admission to the Occupational Therapy Program must notify the Department of Occupational Therapy of acceptance, in writing, by November 15 for spring admission and April 15 for fall admission. If mailed, the acceptance must be post-marked not later than November 15 for spring admission and April 15 for fall admission.
6. Students are officially admitted to the Occupational Therapy Program at the time of enrollment in the professional program.

PROGRESSION IN THE PROGRAM
In order for students to follow the established progression of the program sequence, they must meet all prerequisites with a "C" or better before enrolling in any occupational therapy course.

RETENTION/READMISSION IN THE OCCUPATIONAL THERAPY PROGRAM
Students must meet the following criteria in order to be retained in the Occupational Therapy Program.
Criteria:**
1. Maintain an overall GPA of 2.0 on a 4.0 scale.
2. Complete all major and support courses with a minimum of a "C" after two attempts.
3. Follow the Department Leave of Absence Procedures when it is necessary for the student to temporarily leave the Occupational Therapy Program.
**Dismissal from the University will be considered dismissal from the Occupational Therapy Program.
Students not retained in the program either voluntarily or by not meeting the above criteria must petition for readmission, in writing, to the Admissions and Retention Committee.

LEAVE OF ABSENCE
Students may be granted a Leave of Absence from the Occupational Therapy Program for a maximum of one year. Students granted a Leave of Absence from the Occupational Therapy Program must follow the readmission procedures of Eastern Kentucky University and the College of Allied Health and Nursing when re-entering the program. They do not need to re-apply to the Occupational Therapy Program. Specific procedures are described on the Leave of Absence forms. Leave of Absence forms may be obtained from the Department of Occupational Therapy office, Wallace 109, Eastern Kentucky University.

APPEALS
Students have the right to appeal decisions related to admission, progression, or retention to the Admissions and Retention Committee. Appeals procedures are available from the Department of Occupational Therapy.

Refer to the section of General Academic Information for general admission requirements for Eastern Kentucky University and the General Admission Policies for the College of Allied Health and Nursing.
Course Descriptions

OTS—Occupational Therapy

111 Survey of Occupational Therapy. (1) I, II. Introduction to occupational therapy and the many facets of the profession. Survey course for individuals considering a career in health.

232 Foundation of Occupational Therapy. (3) I, II. Prerequisite: acceptance into professional program. Basic theories, skills, concepts and values of occupational therapy will be considered as a foundation of the student’s professional development.

235 Independent Practicum. (1-3) I, II, A. Major in occupational therapy program. Self-directed participation in a health service or community agency. Daily log is required. Students must submit objectives to instructor for approval prior to registration. Hours credit negotiated.

320 Theoretical Constructs in OT. (3) I, II. Prerequisite: OTS 232. Prerequisites or Corequisites: BIO 271 and 371. Comparison of frames of reference for occupational therapy practice. Provides the theoretical basis for all subsequent treatment courses and the student’s individual frame of reference.

331 Occupational Therapy Skills I. (2) I, II. Prerequisite: acceptance into professional program. Introduction to the value and use of activities in occupational therapy. Development of occupational performance skills in work, play/leisure and self-care. Teaching process, and activity analysis procedures. 3 Lec/Lab.

332 Occupational Therapy Skills II. (2) I, II. Prerequisite: OTS 331. The use of activities to enhance independent daily living performance in work, play/leisure, and self-care. Selected assessment procedures and therapeutic modifications emphasized. 3 Lec/Lab.

335 OT Group Theory and Skills. (2) I, II. Prerequisite: OTS 232. Contemporary group theories and skills used by occupational therapists in practice arenas with children, adolescents, adults, and the elderly. Development of skills in group roles and programming for therapeutic groups. 2 Lec.

341 Level I Fieldwork - A. (2) I, II. Prerequisites: EMC 102 and OTS 232. Prerequisite or Corequisite: OTS 352. The first competency based fieldwork course to develop professional skills in occupational therapy service delivery. Students are assigned to agencies serving infants, children, adolescents. 5 Lab.


353 Occupational Therapy for the Adolescent. (3) I, II, Prerequisite or Corequisite: OTS 320. Theories, approaches, and principles of occupational therapy programming for the adolescent. Evaluation, program planning, and treatment application. 4 Lec/Lab.

354 OT for Adults - Assessment. (4) I, II. Prerequisite: PSY 308. Prerequisites or Corequisites: OTS 320 and 362. The first of two courses on occupational therapy programming for adults with psychosocial problems. Theoretical basis, function/disfunction continuum and assessment component of several frames of reference. 5 Lec/Lab.

362 Human Motion for Activity. (3) I, II. Prerequisites: acceptance into professional program and BIO 271. Kinetics of the musculoskeletal system in relation to occupational performance skills. Included are evaluation procedures for muscle strength, range of motion, biomechanical analysis, and hand function. 2 Lec 2 Lab.

410 Special Problems in Occupational Therapy. (1-3) A. Prerequisite: Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Independent study, special seminar, or special topic. May be retaken to a maximum of six hours.

431 Occupational Therapy Skills III. (2) I, II. Prerequisites: OTS 332 and 382. Skills in adapting tools, equipment, environments, and activities for therapeutic use. Designing, fabricating, and using orthotic devices, and developing assistive and adaptive equipment to enhance work, play and leisure activities. 3 Lec/Lab.

432 Research Methodology in OT. (3) I, II. Prerequisites: senior standing in professional program, SOC 232 or equivalent. Students will learn to be consumers of research data. Conduct literature searches, examine methods of research design and data collection, and prepare a research proposal related to occupational therapy.

43S OT Professional Seminar. (1) I, II. Prerequisite: senior standing in program. Students will research, develop position statements, and debate the pros and cons of health issues affecting the practice of occupational therapy. Concepts of strategic planning and self-directed learning will be emphasized.

454 OT for Adults - Treatment. (4) I, II. Prerequisites: OTS 354, 362, and PSY 408. The second of two courses on theories, approaches, and principles of occupational therapy programming for adults with biopsychosocial problems. Treatment planning, adaptations, prevention, and therapy for adults 3 Lec/Lab.

455 OT for the Elderly. (3) I, II. Prerequisite or Corequisite: OTS 450. Theories, approaches, and principles of gerontic occupational therapy. Theories of aging, normal physiologic and psychological changes of aging, specific diseases and conditions, and common problems of the aging population. Focus on occupational therapy intervention. 4 Lec/Lab.

462 Level II Fieldwork - B. (2) I, II. Prerequisites: OTS 380 and OTS 431. Prerequisite or Corequisite: OTS 454. The second competence based fieldwork course to help develop skills in occupational therapy service delivery. Students assigned to agencies serving adults with biopsychosocial problems. 5 Lab.

473 Level I Fieldwork - C. (2) I, II. Prerequisite or Corequisite: OTS 462. The third competency based fieldwork course to help develop skills in occupational therapy service delivery. Students assigned to agencies serving the elderly. 5 Lab.

476 OT Administration. (3) I, II. Prerequisite: senior standing in professional program. Occupational therapy service management skills. Includes health care trends and legal issues. Students will develop a model for the delivery of occupational therapy services in a selected agency or facility.

481 Level II Fieldwork (Internship). (6) A. Prerequisites: completion of all occupational therapy and support courses and instructor approval. Three months of supervised field experience with individuals and/or groups having psychosocial disabilities. Students will be supervised by Registered Occupational Therapists.

482 Level II Fieldwork (Internship). (6) A. Prerequisites: completion of all occupational therapy and support courses and instructor approval. Three months of supervised field experience with individuals and/or groups having physical disabilities. Students will be supervised by Registered Occupational Therapists.

483 Level II Fieldwork Specialty Internship. (2-6) A. Prerequisites: OTS 381. One to three months of field experience in a specialty area of occupational therapy. Students will be supervised by a Registered Occupational Therapist.

525 Technology for the Disabled. (3) I. Provides knowledge of specific technology available for developing or enhancing the work, leisure, or self-care skills of the severely disabled individual.
AHN—Allied Health and Nursing

570 Health Care of the Aged. (3) A. Theories of gerontology; common health problems of the aged; focus on quality health care.

GRADUATE COURSE

770 Health Care of the Aged. (3) A.

Interdisciplinary Courses

AHN—Allied Health and Nursing

The College of Allied Health and Nursing offers courses designed to meet the needs of students in the various majors in Allied Health and Nursing. Enrollment in these courses is normally limited to students in the College of Allied Health and Nursing.

100 Introduction to the Health Science Field. (3) I, II. Overview of U.S. health care, history, factors influencing health and health care, identification and organization of health facilities and professionals, health economics, health trends, and ethics.

105 Survey of Medical Terminology. (1) I, II, A. Independent study, modular design paced by class meetings includes word roots, prefixes, suffixes, and general medical terms.

200 Medical Terminology I. (3) I, II, A. Basic medical vocabulary consisting of prefixes, suffixes, roots; anatomical, symptomatic, and common disease terms of the body systems.

201 Medical Terminology II. (3) I, II. Prerequisite: AHN 200. Includes surgical instruments and procedures, diseases, laboratory tests, clinical procedures, and abbreviations for each system. Terms related to oncology, radiology, nuclear medicine, pharmacology, psychiatry, systemic disorders, and autopsy procedures.

210 Special Problems in Allied Health and Nursing. (1-3) A. Prerequisite: advisor/departmental chair approval. For independent work, special workshops, or a special topic. May be retaken to a maximum of six hours.

239 Techniques of Electrocardiography. (1) I, A. Methods of obtaining 12-lead electrocardiogram and survey of cardiac anatomy, physiology, and electrophysiology.

240 Introduction to Electrocardiography. (3) II. A. Cardiac anatomy, physiology, and electrophysiology related to ECG. Proficient ECG interpretation skills emphasized.

250 Introduction to Gerontology. (3) I. An interdisciplinary approach to the study of aging that presents a balanced view of both normal and problem aspects of aging.

330 Clinical Drug Therapy. (3) I, II. Prerequisites: CHE 105 and 106 or equivalent and BIO 301. Emphasis on knowledge and actions needed to maximize therapeutic benefits and prevent/minimize adverse effects of drugs. Content includes drugs classes, prototypes of drug classes, commonly prescribed individual drugs and drug effects on body tissues.

332 Legal Principles for Health Care Professionals. (2) I II. Basic legal implications of health care practice for medical assistants, nurses, emergency medical, and other health care personnel. Major issues include requirements for practice, contracts, malpractice, and civil liability.

340 Applying Principles of Client Education. (1) I, II. Utilization of teaching/learning principles in development of skills pertaining to client education, communication, and discharge planning.

342 Understanding A.I.D.S. (1) I, II. A seminar intended to inform students about risk factors and implications associated with acquiring A.I.D.S. (Acquired Immune Deficiency Syndrome).

349 Cooperative Study: Allied Health and Nursing. (1-8) A. Work under faculty and field supervisors, in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. Minimum 80 hours work required for each academic credit.

410 Special Problems in Allied Health and Nursing. (1-3) A. Prerequisite: advisor/departmental chair approval. For independent work, special workshop, or special topic. May be retaken to a maximum of six hours.

420 Special Problems for Health Professionals. (1-2) A. Prerequisite: senior standing and or instructor approval. Topics of current interest to students enrolled in health professions. May be retaken to a maximum of six hours.

450 Seminar in the Disease Process and Implications I. (2) I, II. Prerequisites: completion of, or current enrollment in, BIO 171 and 301 and instructor approval. Theory and research in pathophysiology of the disease process. Emphasis on in-depth study of the most prevalent, major disease of man and their management through surgical intervention.

460 Seminar in the Disease Process and Implications II. (2) I, II. Prerequisites: completion of, or current enrollment in, BIO 171 and 301 and instructor approval. Theory and research in pathophysiology of the disease process. Emphasis on in-depth study of the most prevalent, major diseases of man and their management through medical intervention.

510 Physical Assessment. (4) A. Prerequisite: instructor approval. Techniques used in performing a physical examination. Introduces the student to techniques used in eliciting patient histories. Graduate students complete a detailed case history.

531 Human Genetics and Its Implications for Health Care. (3) A. Prerequisites: one year of chemistry and biology or instructor approval. A study of the chromosomal basis of heredity, bio-chemical genetics, immunological disorders, and blood groups. Graduate students will be required to present a (mid-metaphase) human chromosomal analysis.

532 Principles of Genetic Counseling. (3) A. Prerequisite: AHN 531 or instructor approval. The role of the physician and medical geneticist and the health care worker in genetic counseling. Topics in genetic principles, probability, linkage, paternity, consanguinity, penetrance, and empirical risk counseling, prenatal diagnosis, and consequences of genetic counseling. Graduate students will present a case study.

550 Pathophysiology. (3) A. Prerequisite: instructor approval. Emphasis on in-depth study of the most prevalent, major diseases of man and their management.

570 Health Care of the Aged. (3) A. Theories of gerontology; common health problems of the aged; focus on quality health care.

GRADUATE COURSES

710 Physical Assessment. (4) A.

731 Human Genetics and Its Implications for Health Care. (3) A.

732 Principles of Genetics Counseling. (3) A.

750 Pathophysiology. (3) A.

770 Health Care of the Aged. (3) A.
The specific purposes of the College of Applied Arts and Technology are stated in their order of emphasis: 1) to provide selected instructional programs for the preparation of people for careers in the applied arts and technologies; 2) to contribute to the professional growth of individuals in their careers and to the elevation of technical disciplines through public service; and 3) to intensify and broaden through research the base of knowledge within the applied arts and technologies.

The College of Applied Arts and Technology seeks to fulfill its purpose related to instruction by offering a variety of associate, baccalaureate, and masters degree programs in four departments: Agriculture, Home Economics, Industrial Education and Technology, and Mass Communications. A four-year Army Reserve Officers Training Corps (ROTC) program is offered by the Department of Military Science. Students may also enroll in the Air Force ROTC program through a cooperative agreement with the Air Force ROTC Unit at the University of Kentucky. Aviation courses leading to Federal Aviation Administration certificates and a minor are offered through the College.

The College is committed to the career-ladder concept by providing opportunities for students enrolled in, or completing the associate (two-year) degree programs, to transfer to a corresponding baccalaureate program within the same department with little or no loss of credits.

The Department of Agriculture administers two-year programs designed to prepare technicians for agriculture-related occupations. The Associate of Science Degree is awarded to students who successfully complete the prescribed programs in technical agriculture and in technical ornamental horticulture. The Department offers baccalaureate programs with majors in agriculture and horticulture. The pre-veterinary medicine curriculum is also administered by the Department.

The Department of Home Economics offers baccalaureate programs to prepare teachers for vocational home economics and general home economics, as well as for those who wish to become specialists in child and family development, clothing construction and design, dietetics, fashion merchandising, and food service administration. Under the College of Applied Arts and Technology, the interdisciplinary program which leads to a baccalaureate degree in interior design is also administered by the Department. Associate degree programs are provided in child care, nutrition care management, and interior design. The Department also offers a graduate program leading to the Master of Science degree in community nutrition.

The Department of Industrial Education and Technology administers baccalaureate degree programs to prepare industrial arts teachers for secondary schools, vocational-industrial and technical teachers for vocational-technical schools, and technicians and technologists managers for the manufacturing and construction industry. Associate of Science degree programs are offered in vocational-industrial and technical education, computer electronics, drafting and design, industrial electronics, printing, and quality assurance. The Department also offers graduate programs leading to the Master of Science degree in industrial education and the Master of Science degree in industrial technology.

The Department of Mass Communications provides baccalaureate degree programs designed to aid students to become effective and responsible practitioners in broadcasting, journalism, and public relations.

The Aviation Unit provides instruction in preparation for the private pilot, instrument, and commercial certificate. A minor in Aviation is offered by the Unit.

The Department of Military Science does not offer a degree program, but it provides opportunities for leadership development for students from all majors and for military commissions in the active Army, National Guard, or U.S. Army Reserve for those who qualify. Students may minor in military science.

Students in Air Force ROTC enroll at Eastern Kentucky University by the Air Force ROTC Unit at the University of Kentucky. Students in this program may be commissioned Second Lieutenant in the U.S. Air Force.

The College offers a large number of extended campus classes and the faculty provides consultative services for the public good. In addition, the College is engaged in special projects designed for public service and research in the applied arts and technologies.

PLANNED CURRICULUM

Upon completion of 60 hours, in a baccalaureate degree program, a planned curriculum (which specifies the remaining graduation requirements) must be initiated by consulting the faculty advisor in the major department. Teaching majors must have been admitted to the Teacher Education Program prior to the preparation of a planned curriculum. Any subsequent change in the planned curriculum is proposed on forms available in the office of the advisor. Students in associate degree programs should initiate the preparation of the planned curriculum after completing fifteen semester hours.
COURSE NUMBERING
Courses numbered in the 700 series are open to seniors and graduate students who meet course and program prerequisite. Additional appropriate experiences are required of all graduate students enrolled in the same course with undergraduates. Courses numbered in the 800 series are open only to graduate students.

APPLICATION FOR GRADUATION
Students must file an application for graduation in the dean's office no later than April 30 for December graduation and no later than October 31 for either May or August graduation. It is the student's responsibility to plan and register for the proper courses to meet all graduation requirements.

DEGREE REQUIREMENTS
General University requirements described on page 00 in Part Three of this Catalog, as well as specific course requirements set forth in the description of curricula, must be met by students completing associate and baccalaureate programs administered by the College of Applied Arts and Technology. See programs under each department for major and minor requirements. Common to all programs is the Academic Orientation course (ATO 100) of the College of Applied Arts and Technology.

ATO—Applied Arts and Technology Orientation
ATO 100 Academic Orientation. (1) I, II. Designed to orient the student to university academic life and afford background for career choice and preparation. Included are University regulations and calendar, catalog details, registration, various career opportunities, and program requirements. Open to all students during their first two semesters of enrollment at EKU; beyond that open to students with fewer than 30 semester hours earned.

DEPARTMENT OF
AGRICULTURE
D. Barkley, Chair; Black, Britt, Hayes, Judge, Knight, Pratt.

The Department of Agriculture offers curricula to provide programs for education and careers in agricultural occupations, to develop new programs to meet the needs of rapidly developing technology, to provide work experience as a part of technical education, and to aid graduate placement in the agriculture industry. The department also strives to provide services to the agriculture community through such activities as field days, demonstrations and applied research.

The primary purpose of educating students to become technically trained agriculturalists is accomplished by developing their ability:
1. to attain job entry competence;
2. to work independently;
3. to analyze and interpret information, diagnose problems, make decisions;
4. to make practical applications of theoretical knowledge in performing specific tasks in specialized fields;
5. to exercise cognitive skills, yet be able to supervise and perform manipulative skills;

6. to develop and improve proficiency in technical skills through practicum courses.

Students pursuing any program of study in AGR and OHO must have achieved a "C" average in departmental courses to receive a degree. A maximum of 12 hours of practicum courses may be applied toward the 128 hour requirement for a B.S. degree. A maximum of eight hours of practicum courses may be applied toward the A.S. degree. Practicum courses are 301, 302, and 349.

Agriculture
MAJOR (BACHELOR OF SCIENCE)
WITH MINOR IN BUSINESS**

Major Requirements ........................................................ 52-53 hours
AGR 125 or 270; 130, 210, 213, 215, 304, 308, 310 and 411;
four hours from AGR 301, 302 or 349; and 20 hours in Agriculture and/or Ornamental Horticulture upper division electives with a maximum to eight hours in any option area.

Minor Requirements ..................................................... 21 hours
Refer to College of Business Requirements for minor.

Supporting Course Requirements ....................... 8 hours
BIO 131 or 141; CHE 101

General Education Requirements ...................... 32 hours
Standard General Education program, excluding course categories 9, 12, 13, and 14. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ................................. 9 hours
ATO 100; eight hours of restricted electives.

Free Electives ..................................................... 5-6 hours

Total Curriculum Requirements ..................... 128 hours

**Minor in other fields may be substituted if approved by department chair and dean of the College of Applied Arts and Technology.

Agriculture
AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ................................................... 58-63 hours
AGR 125 or 270; 130, 210, 213, 215, 304, 308, 310 and 411;
four hours from AGR 301, 302 or 349; 12 hours of upper division AGR and/or OHO electives and one of the following options:

Option I (Agriculture Mechanization):
AGR 242, 272, 362, 383 and 394.

Option II (Agronomy & Natural Resources):
AGR 312 or 344; 315, 321, 340 and 416.

Option III (Dairy Herd Management):
AGR 225, 321, 375 and 380.

Option IV (Farm Management):
AGR 315, 321, 394, 409 and 440.

Option V (Livestock Production):
AGR 225, 321, 327, 328 and 409.

Option VI (Soils):
AGR 312 or 344, 315, 317, 318 and 340; 416 or GRY 414.

Option VII (Vo-Ag Preparation):
Kentucky Vocational Agriculture Certification requires a minimum of 50 hours in AGR and/or OHO courses. Minimum in Soils, six hours; Agriculture Mechanization, six hours; Animal Science, six hours; Plant Science, six hours; Farm Management, three hours; pre-student teaching clin-
Horticulture

**MAJOR, (BACHELOR OF SCIENCE)**

**WITH MINOR IN BUSINESS**

**Major Requirements**

50 hours

- OHO 131, 271, 351, 391, AGR 210, 213, 215, 304, 308, 315, 409 and 411; OHO 384 or 385; four hours from OHO 301, 302 and 349; eight hours upper division OHO AGR electives.

**Minor Requirements**

21 hours

- Refer to College of Business requirements for minor.

**Supporting Course Requirements**

8 hours

- ATO 131, CHE 101.

**General Education Requirements**

32 hours

- Standard General Education program, excluding course categories 9, 12, 13, and 14. Refer to Part Three of this Catalog for details on the General Education and University requirements.

**University Requirements**

9 hours

- ATO 100; eight hours of restricted electives.

**Free Electives**

8 hours

**Total Curriculum Requirements**

128 hours

**Minor in other fields may be substituted if approved by department chair and dean of the College of Applied Arts and Technology.**

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**MINOR IN AGRICULTURE**

A minor consists of 18 hours of agriculture or ornamental horticulture arranged between the department chair and the student seeking the minor. The objective is to meet the student's need for taking a minor in these areas. However, six or more hours shall be upper division courses.

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**MINOR IN SOILS**

A core of courses may be taken for a minor in soils. Courses are AGR 130, 215, 315, 317, 318, 340, and AGR 416 or GLY 414.

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**Technical Agriculture**

**ASSOCIATE OF SCIENCE**

**Major Requirements**

43 hours

- AGR 130, 210, 213, and 310; six hours of 301, 302 and or 349; 12-14 hours of Agriculture electives and one of the following options:

**Options:**

- Livestock Management .................................. 11-12 hours
  - AGR 125 and 321, 327, 328, or 332.

- Dairy Herd Management ................................ 10 hours
  - AGR 270 and 360.

- Agricultural Mechanics ................................ 11 hours
  - AGR 272, 362, 383 and 394.

- Supporting Course Requirements .......................... 21 hours
  - ATO 100*, six hours of English composition*, three hours each of general education humanities*, general education social science*, general education natural science*, one hour of general education elective*, and four hours of restricted electives*.

- Total Curriculum Requirements .......................... 64 hours

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**Technical Ornamental Horticulture**

**ASSOCIATE OF SCIENCE**

**Major Requirements**

43 hours

- AGR 210, 213, 215, 304, 308, OHO 131, 349 (four hours), seven hours of OHO electives and one of the following options:

**Options:**

- Floriculture and Floristry ................................ 12 hours
  - OHO 362E, 364, 388 and 389, 364 or 385.

- Landscape Horticulture .................................. 12 hours
  - OHO 261, 262, 271 and 391.

- Turf Management ....................................... 12 hours
  - OHO 271, 301, 351 and 352.

- Supporting Course Requirements ........................ 21 hours
  - ATO 100*, six hours of English composition*, CHE 101*, three hours general education humanities*, three hours general education social science*, and four hours of restricted electives*.

- Total Curriculum Requirements .......................... 64 hours
Pre-Veterinary Medicine

The Eastern Kentucky University program in pre-veterinary medicine is administered by the Department of Agriculture. Although Kentucky does not have a school of veterinary medicine, the state participates as a member of the Southern Regional Educational Board plan under which legal Kentucky residents attend Auburn University School of Veterinary Medicine or Tuskegee Institute School of Veterinary Medicine. The program is funded by an appropriation of the General Assembly to the Kentucky Council on Public Higher Education.

A limited number of students who are legal residents of Kentucky and have completed Pre-Veterinary requirements are selected by Auburn (34 positions) or Tuskegee Institute (2 positions) each year to enter professional training in veterinary medicine at the respective schools. Students enter the four-year program of the transfer institution at the beginning of the fall term and are approved for succeeding years so long as normal progress is made toward the degree in veterinary medicine. These students are exempt from out-of-state tuition at Auburn. Selection is on a competitive basis with the final selection being made by a committee composed of faculty members from each of the respective schools.

Each of the two transfer schools have essentially the same entrance requirements and each requires a minimum grade point average of 2.5 on a 4.0 scale. Tuskegee also requires results from the SAT before acceptance. Students should work closely with the pre-vet advisor concerning their program and should have a grade point average of 3.0 to be competitive.

All course work must be completed by June 15 prior to fall admission to the school of veterinary medicine. A grade of “D” in any required course is not accepted. Substitution of courses must be approved by the veterinary school to which application is to be made. All course requirements must be met and certain courses in the sciences (organic chemistry, physics, genetics and microbiology) must have been taken within six years of entry into the School of Veterinary Medicine.

Application to veterinary schools under the Kentucky program is made beginning in the fall of the year preceding that of admission. The deadline for applications is October 15. Students should follow application instructions regarding updating of their transcripts and course work at the school to which their applications are to be made. Students should work closely with the pre-veterinary advisor in making certain that all requirements are met. There are some specific alternatives to the following courses depending on a student’s background.

Because of the large number of applications and limited number of acceptances the student should choose a secondary career goal.

A pre-vet student at Eastern has the following alternatives while proceeding through the program of study.

1. Complete the pre-vet curriculum in three years and apply for admission into a school of veterinary medicine. Students may receive a B.S. degree from Eastern by transferring credits from the first year of veterinary school back to Eastern.

2. Earn a B.S. degree at Eastern with an agriculture, biology, chemistry or other appropriate major during the fourth year after completing the pre-veterinary curriculum.

3. At any time, change from the pre-veterinary curriculum to the above majors and graduate with a B.S. degree with no loss of credit.

Students are expected to gain practical large animal experience during the course of pre-vet study, either on the university farm or with a D.V.M. The pre-vet advisor can assist in arranging for this experience.

Qualified students may bypass MAT 109; students with insuffcient background may take MAT 107 and 108. Auburn has no specific mathematics requirement, but to have adequate math background for completion of the physics and chemistry classes you should complete at least a beginning calculus class.

The following curriculum may be completed in three years after which the student is then eligible to apply for admission to Auburn or Tuskegee.

Course Descriptions

AGR—Agriculture

110 An Introduction to American Agriculture. (2) A. The agriculture industry in the United States from significant past events to current status. Complexities of laws and regulations and their influence on the farmer’s ability to produce for U.S. and World Markets.

125 Principles of Animal Science. (4) I. Management and production practices of livestock enterprises: types, market classes, and grades of beef cattle, sheep, and swine and the breeds and products of dairy cattle.

130 Principles of Agronomy. (4) I. Principles of plant growth, reproduction, crop-soil relationships. Provides foundations of information for further study in field crop production and soil management.

210 Agricultural Measurements. (2) A. Measuring and computing areas of land, volumes and capacities of buildings, and feed structures; spray mixtures, fertilizer needs, parts per million, feed rations and other measurement situations encountered on the farm.

213 Principles of Agricultural Mechanics. (4) I, II. Principles of operation, management, and repair of gasoline engines and electrical motors; basic electrical circuits and electrical controls for agricultural mechanization systems and power requirements for agricultural structures; theoretical and practical experience.

215 Principles of Soils. (3) I, II. Prerequisite: CHE 101. Soil origin, classification and properties, soil conservation, soil microorganisms, organic matter, soil water, soil minerals, lime, commercial fertilizers, soil erosion, soil management.

225 Evaluation and Selection of Livestock. (3) II. An evaluation of dairy cattle, beef cattle, swine and sheep: use of records, body type ratings, and carcass information as they relate to functional anatomy and efficiency of production; sire selection and pedigree interpretation.

242 Safety Practices and Agriculture Equipment Operation. (3) A. The study of safety for effective use of equipment and supervised practice, using new equipment that could be expected to be found on a well equipped farm.

250 Light Horse Production and Management. (3) A. History and role of equine industry, breeds of horses and ponies for work and pleasure, includes management, breeding, pests and care of horses.

270 Farm Dairy Production. (5) II. The dairy cow and her requirements in meeting her potential milk production; principles of milk production; basic practices of feeding, sanitation, housing, dairy cow selection, and production records.

272 Principles of Agricultural Machinery. (3) III. Selection, operation, and maintenance of agricultural machinery used in the production and processing of agricultural products. Student experiences assembling different types of new farm machinery and reconditioning old machinery.

293 Livestock Hardsmanship. (3) A. Basic herding and handling. Student receives experience in driving, herding, castration, artificial insemination, branding, tattooing, vaccination, blood sampling, implanting, performance testing, records, sanitation practices, etc.

300 Travel Study In Agriculture Technology. (3-6) A. A travel course for groups and individuals in agriculture and horticulture to study new and emerging technologies in agriculture and horticulture, structural organizations of agricultural enterprises and professional and inter-personal relationships. May be retaken once.
301 Directed Work Experience. (1-4) I, II. Cross listed as OHO 301. A minimum of three hours per week per hour of credit using University or other approved facilities. Credit will not be awarded for both AGR 301 and OHO 301.

302 Directed Work Experience - Management Practicum. (3) I, II. Student will schedule nine hours of work per week during the semester on a university farm to practice management and production skills related to a livestock herd or machinery operations. Options may be taken to a maximum of 12 hours.

302A Agricultural Mechanization Option

302B Beef Cattle Option

302C Swine Option

302D Dairy Cattle Option

302E Crops Option

302F Sheep Option

304 Pest Management. (4) II. Identification of the principal agriculture and horticulture insect disease and weed pests in Kentucky. Control measures are identified with special emphasis on the safe use of chemicals and equipment calibration.

308 Introduction to Agribusiness. (3) I. Agribusiness environment involved in farm production including principles of farm business management; role of agriculture in the economy, agriculture organizations, and land utilization.

310 Principles of Farm Management. (3) II. Prerequisite: AGR 308. Organization and management of farms; cost of production; profits, losses; principles of farming; soil management, cropping systems, and livestock enterprises.

312 Advanced Crops; Forage Crops. (3) II. Prerequisite: AGR 130. Cultural practices and principles of forage crops, especially grasses and legumes suited to Kentucky farms.

315 Technical Soils Laboratory. (2) I, II. Prerequisite: AGR 215. A soils skill course, recognizing physical characteristics of soils, study of soil profiles, reading a soil survey map, soil sampling and testing, determining amounts of lime and fertilizer, and applying soil conservation practices.

317 Soil Classification and Morphology. (2) A, I. Comprehensive soil survey system, identifying physical and chemical properties of the epipedons and subhorizons of the soil profile and assigning classification designations.

318 Soils and Water Relationships. (2) A, I. Characteristics and behavior of soil water, vapor, and liquid losses of soil water, practices amending the soil water regime, erosion control and irrigation.

321 Feeds and Feeding. (4) I. Feeds used in livestock feeding; including harvesting, storage, feeding characteristics, and ration formulation from these feedstuff.

324 Beekeeping Methods. (3) II. Establishing an apiary, maintaining and increasing bee colonies, utilizing bees for pollination, methods of handling bees safely, harvesting and processing honey.

325 Beekeeping Laboratory. (2) A. A course designed to develop skills in beekeeping, harvesting, and extracting honey, and general bee maintenance.

327 Beef Production. (4) I. Prerequisites: AGR 125 and 321. History, importance, and trends associated with the beef cattle industry; systems of selecting, breeding, feeding, marketing, and management of beef cattle.

328 Swine Production. (4) A. Prerequisites: AGR 125 and 321. History, importance, and trends associated with the swine industry; systems of selecting, breeding, feeding, marketing, and management of swine.


332 Poultry Production and Management. (3) A. History and importance of the poultry industry; breeds, breeding, feeding, and management in the layer and broiler industry.

340 Conservation of Agricultural Resources. (3) A. Conservation of soils and their fertility, erosion and control, soil conservation methods for individual farms, water supply and distribution, problems of water and air pollution, problems resulting from population increases.

344 Production of Economic Crops in Kentucky. (3) A. Prerequisite: AGR 130. Production of field and forage crops, identification, economic importance, production and harvesting techniques. Trial plots will be grown of all crops important to Kentucky.

349 Cooperative Study in Agriculture. (1-8) A. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate: sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.

362 Hydraulic Systems. (2) A. A study of basic principles of hydraulic systems and their application to agricultural and turf equipment. Lab experiences will provide familiarity and practice with equipment.

372 Topics and Laboratories in Animal Science. (1-2) A. May be taken to a maximum of two hours, provided the topics are different.

372A Feeds and Feeding Laboratory.

372F General.

373 Animal Diseases. (3) I. Prerequisite: six hours of animal science. Treatment, prevention, and eradication of infectious and parasitic disease of farm animals.

374 Genetics of Livestock Improvement. (3) II. Prerequisite: six hours of animal science. Applied genetic principles of improving farm animals including crossesbreeding, inbreeding, and other mating plans.

375 Reproduction and Artificial Insemination of Domestic Animals. (3) A. Prerequisite: six hours of animal science. Reproductive systems, study and practice of artificial insemination and pregnancy diagnosis of domestic animals.

376 Anatomy and Physiology of Domestic Animals. (3) A. Prerequisite: six hours of animal science. Fundamental physiological processes of livestock relating to production, nutrition, and diseases.

380 Technical Management of Dairy Cattle. (5) I. Prerequisite: AGR 270 and 321. A continuation of AGR 270 with greater emphasis on herd management, feeding systems, sanitation, and disease control; breeding; housing facilities, producing quality forages and pastures, herd improvement.

383 Diesel Power Systems. (3) I. Study of the operation, maintenance, and repair of agricultural diesel powered systems; includes electrical systems, fuels, injection pumps, and nozzles; laboratory practice.

391 Agricultural Equipment Management. (3) A. Selection of equipment on the basis of capacity, efficiency, power and fuel requirements, fixed and variable costs. Product presentation based on user needs and interests; organization of agricultural equipment dealerships.

409 Agriculture Business Records and Analysis. (3) I. Management and analysis of record systems for decision support involving organization, enterprise selection, and operation of agricultural and horticultural businesses.

410 Special Problems Seminar. (1-3) II. Cross listed as OHO 410. Students choose a problem and work under the supervision of the instructor in the field of the problem. Credit will not be awarded for both AGR 410 and OHO 410. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

411 Seminar on Emerging Agricultural Technology. (1) I. II. Students are assigned an oral presentation on a topic designed to evaluate their resourcefulness and understanding of basic agriculture and horticulture principles.

416 Soil Fertility. (3) A. Prerequisite: AGR 215. Various soil amendments including lime, organic and inorganic fertilizers, and conditioners are studied and evaluated for their effect on the physical, chemical, and biological properties of soils and subsequent crop yields.

421 Animal Nutrition. (3) II. Prerequisites: AGR 321 and chemistry Principles of nutrition basic to modern livestock feeding; symptoms of nutrient deficiencies, nutritional disorders, metabolism of nutrients, feed additives, and modern methods of feed preparation and feeding.

440 Agricultural Financing. (3) II. Uses and types of agricultural credit, credit institutions, and relating credit needs to farm enterprises.

501 Special Problems in Agriculture. (3) A. A course for exceptional seniors involving independent study and research related to problems of a theoretical or practical nature. May be retaken to a maximum of six hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

570 Advanced Study in Technical Agriculture. (3-9). Advanced technical study with emphasis upon updating technology and development of understanding and technical competency in.

570B Agricultural Mechanization. (3) A

570D Farm Livestock Management. (3) A

577 Workshop in the Conservation of Natural Resources. (3) A. For teachers returning for graduate work. Instruction is given in the areas of soil, water, fish and wildlife, forest conservation, and methods of teaching related units at the elementary and junior high level.
GRADUATE COURSES

701 Special Problems in Agriculture. (3) A.
770 Advanced Study in Technical Agriculture. (3-9) A.
770B Agricultural Mechanization. (3) A.
770D Farm Livestock Management. (3) A.
777 Workshop in the Conservation of Natural Resources. (3) A.
807 Advanced Technical Study in Agriculture Problems. (1-3) A.

OHO—Ornamental Horticulture

131 Principles of Horticulture. (4) I. Introduction to the major divisions of horticulture with emphasis on plant growth, propagation, reproduction and soil-water relationships. Exploration of the various phases of horticulture and the related employment opportunities in the industry.

261 Selection and Use of Deciduous Trees and Shrubs. (2) I. Characteristics of identification and criteria for landscape use of perennials, deciduous tree and shrub cultivars adapted to Kentucky.

262 Selection and Use of Evergreen Trees and Shrubs. (2) II. Characteristics of identification and criteria for landscape use of tree and shrub cultivars adapted to Kentucky.

271 Nursery Management. (5) I. Production and marketing techniques of woody and herbaceous ornamental plants including, site selection, growing procedures, and retail management. Students work in the university nursery and greenhouses developing business records with the help of microcomputers.

283 Bedding Plant Production. (3) II. Cultural practices of propagation and growing annuals and perennials to outdoor planting size, using structures and facilities necessary for production. Students will propagate and produce bedding plants and prepare outdoor plantings.

301 Directed Work Experience - I. Cross listed as AGR 301. A minimum of three hours per week per hour of credit using university or other approved facilities. Credit will not be awarded for both OHO and AGR 301.

302 Directed Work Experience - Management Practicum. (3) I, II. Nine hours of work per week during the semester in the greenhouses, nursery, landscape or turf areas involving management and production skills. The option may be taken to a maximum of 12 hours.

349 Cooperative Study in Horticulture. (1-8) A. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.

351 Principles of Turfgrass Production. (4) I. The establishment and maintenance of green spaces utilizing turfgrass species and cultivars, including the use of variable intensities of care. Relationships of environmental factors and cultural practices are emphasized.

352 Horticulture Equipment. (2) A. The selection, operation, and maintenance of equipment and engines used in establishing and maintaining landscape, nursery and greenhouse areas.

354 Irrigation Systems. (2) I. Formerly OHO 352B. An introduction to irrigation systems, their design and installation for efficient water utilization in crop production and maintenance. Overhead, drip, and subirrigation systems are evaluated.

362 Topics in Landscape Gardening. (1-6) A. Students may enroll up to six times for a total of six credits.

362A Home Landscape Option
362D Disease and Insect Control Option
362E Floral Design Option
362F Lawn Establishment and Maintenance Option
362G Problems of Golf Course Operation Option
362K Interior Plantingscoping Option

363 Retail Florist Operation. (3) A. Prerequisite: OHO 362E or prior floral design experience. The study of florist businesses as related to locating, starting, and operating a retail florist establishment.

364 Advanced Floral Design. (2) A. Prerequisite: OHO 362E. The study and practice of advanced floral design techniques; includes construction of conventional and contemporary floral designs. 1 Rec-2 Lab.

370 Landscape Operations Management. (3) II. Management of labor, estimating and bidding along with basic maintenance of trees, shrubs, and herbaceous plants in the landscape operation.

373 Fruit Production. (3) A. Planning, planting, and growing fruits. Pruning, training, fertilizing, controlling pests, and harvesting for quality of bush and tree fruits.

384 Greenhouse Floral Crops. (3) A. The study of specialized greenhouse floral crops and methods of producing them; includes bed and container growing production cycles to meet peak demands and marketing techniques.

385 Production of Foliage Plants. (3) A. Identification of green foliage plants, usually called houseplants; propagation techniques, rooting mediums, disease and insect control, and arranging plants in planters and baskets for marketing.

386 Vegetable Production. (3) A. Vegetable growth and development, growing from seed, managing soils, planting, mulching, controlling pests, harvesting, handling, marketing, and storing of most vegetable crops.

388 Greenhouse Operation and Management. (3) II. Prerequisite: OHO 283, 384, 385, or 386. Plant propagation and growing techniques in a greenhouse. The student learns operation procedures and the economics of operating a greenhouse and using cold and hot frames.

389 Greenhouse Management Practicum. (3) I, II. Prerequisite: OHO 388. Management of the greenhouse; students work nine hours per week in the greenhouses to practice management and production skills.

391 Landscape Methods and Related Businesses. (3) I, II. Prerequisite: OHO 261 or 262. Elements of design and the execution of the landscape architect plan. Additional emphasis will be placed on occupations related to ornamental horticulture including industrial grounds management.

392 Advanced Landscape Techniques. (3) II. Formerly OHO 302I. Prerequisite: OHO 391 or equivalent. Designing and estimating techniques applied to real and practical landscape projects. Students will draw in ink and develop project cost estimates with the use of a microcomputer.

410 Special Problems Seminar. (1-3) I. Cross listed as AGR 410. Students choose a problem and work under the supervision of the instructor in the field of the problem. Credit will not be awarded for both OHO 410 and AGR 410. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSE

807 Advanced Technical Study in Horticulture Problems. (1-3) A.

DEPARTMENT OF

HOME ECONOMICS


The Department of Home Economics offers general and specialty programs leading to Bachelor of Science, Associate of Arts, and Associate of Science degrees. Graduates of this department qualify for a variety of professional positions in education, government, business, military, and industry.

Curricula requiring an area major are: child and family studies, clothing construction and design, dietetics, fashion merchandising, general home economics, home economics education, and interior design. The first major in food service administration requires a minor in business.

Students majoring in other departments may elect a second major or minor in a specialty field in home economics. Area majors in the Department of Home Economics may elect a minor in a specialty field.

Two Associate of Science degree programs are offered: child care and nutrition care management. An Associate of Arts degree is offered in interior design. Courses completed in an
associate degree program may be credited toward meeting
requirements in the corresponding baccalaureate level major.
Students following an area major of concentration, first or
second major, minor, or associate degree program must main-
tain a "C" average in departmental courses (CDF, HEC, IDH,
NFA, and TCF prefixes).

Students in baccalaureate degree programs must complete
six hours of departmental core courses: CDF 132 or HEC 132
and HEC 352, if not included in the major requirements.

CHILD AND FAMILY STUDIES PROGRAM

The Child and Family Studies major educates students to fill
a variety of occupations in human service fields involving
children and their families. Such opportunities exist in early
childhood and day care programs, adult education centers, and
in social service and governmental agencies.

Child and Family Studies
AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ........................................... 39 hours
CDF 232 or 331; 244, 245, 247, 348, 350, three hours from
CDF 241, 342, 441; three hours from CDF 344, 346, 547;
three hours from CDF 437, 533, 534, 537, 538, 548; and
nine hours from CDF electives.
Home Economics Core ........................................... 6 hours
CDF 132 and HEC 352.
Supporting Course Requirements .......................... 12 hours
NFA 201, three hours from NFA 505, 507, 509; PSY 202 and
SED 104.

General Education Requirements ......................... 46 hours
Standard General Education Program. Refer to Part Three
of this Catalog for details on the General Education and Univer-
sity Requirements.

University Requirements ..................................... 9 hours
ATO 100; eight hours of restricted electives.
Free Electives ................................................. 16 hours
Total Curriculum Requirements ......................... 128 hours

CLOTHING CONSTRUCTION AND DESIGN PROGRAM

Clothing Construction and Design graduates may start as
assistant designers or pattern makers for apparel manufactur-
ers. Other career opportunities exist with pattern and notion
companies, in theatrical costume designing and in fashion
illustration. Free lance design and consulting are options as well.

Clothing Construction and Design
AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ............................................. 57 hours
ART 100, 101, TCF 101, 102, 201, 203, 219, 222, 301, 305,
310, 312, 313, 410, 411, 412, 415, 510, and THE 320.
Home Economics Core ........................................... 6 hours
CDF 132 and HEC 352.
Supporting Course Requirements ......................... 9 hours
CHE 101 and 102.

FASHION MERCHANDISING PROGRAM

Fashion Merchandising majors gain on-the-job experience at
the sophomore level through the Cooperative Education pro-
gram and as seniors in a Fashion Merchandising Practicum.
Graduates may be placed in executive training programs in
large retail stores, as sales representatives for apparel manu-
facters, in managerial positions in specialty stores or work as
freelance wardrobe consultants.
Fashion Merchandising

AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ........................................ 57 hours
ACC 201, nine hours from MGT 300, 330, 480; MKT 300, 310, 315, 320, 324, TCF 101, 201, 219, 301, 313, 319, 399, 349**, 413, 414, and nine hours from TCF 102, 222, 310, 410, 415, or 510.

Home Economics Core .................................. 6 hours
CDF 132 and HEC 352.

Supporting Course Requirements .................. 12 hours
CHE 101, 102, ECO 230.

General Education Requirements .................. 37 hours
Standard General Education program, excluding course categories 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University Requirements.

University Requirements .............................. 9 hours
ATO 100; eight hours of restricted electives.

Free Electives ........................................ 7 hours

Total Curriculum Requirements ..................... 128 hours

* TCF 349 — two hours at sophomore level.

General Home Economics

AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..................................... 44 hours
HEC 300, 353, 453, 18 hours in each of two areas of specialization in home economics.**

Home Economics Core .................................. 6 hours
CDF 132 and HEC 352.

Areas of Specialization
Child Development and the Family
CDF 241, 244, 245 or 344; 247, 342, and 232 or 331.

Home Economics and Interior Design
HEC 351, IDH 121, 222, 250, 320, and 321.

Nutrition and Foodservice Administration

Textiles, Clothing and Fashion
TCF 101, 102, 201 or 302; nine hours electives from TCF 203, 219, 305, 312, 411, or 412.

Supporting Course Requirements .................. 4 hours
CHE 101.

General Education Requirements .................. 42 hours
Standard General Education program, excluding course categories 14, Refer to Part Three of the Catalog for details on the General Education and University Requirements.

University Requirements .............................. 9 hours
ATO 100; eight hours of restricted electives.

Free Electives** .......................................... 23 hours

Total Curriculum Requirements ..................... 128 hours

** Home Economics specialization to be fulfilled through completion of a minimum of 18 hours in each of two areas of specialization.

** With optional 18 hour public relations minor five hours of free electives.

Note: Students selecting nutrition and foodservice administration must select CHE 102 and BIO 301 or BIO 273 or 378 to complete their General Education Natural Science requirement. These science courses are prerequisites for all upper division NFA courses.

HOME ECONOMICS EDUCATION PROGRAM

The Home Economics Education program leads to a Bachelor of Science degree and certifies qualifying graduates to teach vocational home economics at the secondary and middle school levels. Students must also have the equivalent of 1,000 hours of approved gainful work experience.

In order to be admitted to the teacher education program, students must have a 2.25 grade point average. The grade point average required for student teaching is 2.5 overall.

Home Economics Education

(TEACHING) AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements .................................... 33 hours
CDF 244; CDF 241 or 331 or 342; HEC 353, 453, IDH 250, 320, NFA 121, 201, 321, TCF 102, and 201.

Home Economics Core ................................ 6 hours
CDF 132 and HEC 352.

Home Economics Electives ............................ 9 hours
BIO 100, 301, 378, CHE 101, 102.

Teacher Education Requirements .................. 32 hours

General Education Requirements .................. 34 hours
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements .............................. 9 hours
ATO 100; eight hours of restricted electives.

Total Curriculum Requirements ..................... 136 hours

In addition, the student shall complete 1,000 hours in approved work experience in homemaking and home economics related occupations and complete the competency examinations and the National Teacher Examination.

MIDDLE SCHOOL VOCATIONAL HOME ECONOMICS ENDORSEMENT

Undergraduate secondary school vocational home economics majors may become certified for teaching middle-school home economics by completing EMG 447 - Reading/Language Arts in the Middle Grades.

INTERIOR DESIGN PROGRAM

A graduate of the interdisciplinary Bachelor of Science interior design program is qualified for employment as an apprentice designer with interior design firms, architectural firms, design specialists in all areas, either residential or commercial. With two years of experience in the interior design field, the graduate will be eligible to take the National Council of Interior Design Qualification Examination.

Interior Design

AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements .................................... 58 hours
IDH 121, 222, 321, 324, 326, 327, 328, 329, 330, 422, 426, 428**, IET 190 or 191; 322, 391, 394, 496; one hour in OHO 362A, 362E or 362K; and TCF 302.
Home Economics Core ........................................ 6 hours
HEC 132 and HEC 352.

Supporting Course Requirements .......................... 18 hours
ART 100, 102, 103, 390, 391; three hours in ACS 254 or
MGT 220 or MKT 200.

General Education Requirements ............................ 40 hours
Standard General Education program, excluding course
categories 07 and 08. Refer to Part Three of this Catalog for
details on the General Education and University requirements.

University Requirements ...................................... 9 hours
ATO 100; eight hours of restricted electives.

Total Curriculum Requirements ............................. 131 hours
**Students must have 2.25 cumulative GPA and a 2.6 major GPA to enroll in IDH 428.

Foodservice Administration

FIRST MAJOR (BACHELOR OF SCIENCE)
(with a required minor in Business)

Major Requirements ........................................ 33 hours
HEC 303, NFA 121, 201, 321, 323, 325, 326, 345, 346, 349
(three hours), 445, 446, 556 (three hours).

Home Economics Core ...................................... 6 hours
CDF 132 or HEC 132 and HEC 352.

Supporting Course Requirements .......................... 25 hours
BIO 301 and 378; CHE 101, 102, CIS 230, EHS 380, PSY

Business Minor Requirements ............................... 21 hours
ACC 201, ECO 230, 231, MGT 300, six additional hours of
management; MKT 300.

General Education Requirements .......................... 25 hours
Standard General Education program, excluding course
categories 3, 9, 12, 13, 14, 15, and 16. Refer to Part Three of
the Catalog for details on the General Education and University
requirements.

University Requirements ...................................... 9 hours
ATO 100; eight hours of restricted electives.

Free Electives .................................................. 9 hours

Total Curriculum Requirements ............................. 128 hours

SECOND MAJOR IN SPECIALTY FIELD
OF HOME ECONOMICS

A student with a major outside the Department of Home
Economics may pursue a second major in a specialty field of
home economics by completing major requirements and
supporting course requirements approved by the department
chair and the dean of the College of Applied Arts and Technology.

MINORS IN HOME ECONOMICS

Departmental majors may complete, in addition to major
requirements, 18 hours in a specialty other than the major
upon approval by the advisor, department chair, and dean of
the College of Applied Arts and Technology.

Non-departmental majors may minor in areas of Home Eco-
nomics by completing the prescribed sequence.

Minor in Child and Family Studies ........................ 18 hours
CDF 132; six hours selected from CDF 241, 244 or 342;
CDF 247; six hours CDF electives.

Minor in Clothing ............................................. 21 hours
TCF 101, 102, 201, 203, 313; six hours from TCF 222, 305,
310, 312, 411, 412, 415, or 510.

Minor in Fashion Merchandising .......................... 21 hours
TCF 101, 201, 219, 313, 319, 339, and 413

Minor in Foodservice Administration ..................... 18 hours
NFA 121, 201; 12 hours selected from NFA 323, 325, 326,
345, 346, 445, or 446.

Minor in General Home Economics ........................ 18 hours
HEC 351, 352, IDH 250, 320, NFA 121, and TCF 102.

Minor in Interior Design .................................... 21 hours
IDH 121, 222, 250, 320, 324, TCF 302 and IET 190 or 191.

Minor in Nutrition ............................................ 18 hours
NFA 121, 201; 12 hours selected from NFA 301, 302, 303,
317, 501, 502, 503, 505, 507, 509, 511, or 512.

Minor in Textiles ............................................. 18 hours
TCF 101, 201, 301, 302, 410, and three hours approved TCF
electives.

CHILD CARE PROGRAM

The Associate of Science in Child Care degree is designed
for persons desiring academic preparation to teach or assist in
programs for preprimary age children (birth through five). Such
programs include day care, Head Start, nursery schools, pri-
ivate kindergartens and after-school programs. These individu-
als may also work in a variety of family service settings.

Child Care

ASSOCIATE OF SCIENCE

Major Requirements ........................................ 33 hours
CDF 132, 241, 244, 245, 247, 344, 348, 350, NFA 201; three
hours from CDF 232, 331, or 342.

Supporting Course Requirements .......................... 34 hours
ELE 322, PSY 202, SED 104, ATO 100*, six hours of English
composition*, SPE 100*, six hours of general education
social science* (three hours from 09 and three hours from 10
or 11), three hours general education humanities*, BIO 300*
or BIO 317*, four hours restricted electives*

Total Curriculum Requirements ............................ 67 hours

NUTRITION CARE MANAGEMENT PROGRAM

Nutrition Care Management is an Associate of Science de-
gree option of dietetic technology. The curriculum integrates
clinical and didactic components of nutrition care, preparing
graduates to work under the supervision of registered dietitians
in hospitals, nursing homes, and other health-oriented agencies.

Nutrition Care Management

ASSOCIATE OF SCIENCE

Major Requirements ........................................ 30 hours
HEC 303, NFA 121, 201, 202, 302, 303, 317, 321, 325, 326,
345, 346 and 349 (two hours).

Supporting Course Requirements .......................... 38 hours
ATO 100*, BIO 301*, CHE 101*, 102*, six hours of English
composition*, three hours general education humanities*
MAT 106 or 107 or STA 209 and 210, MGT 300, PSY 202,
SOC 131 or ANT 120 or GSS 142*, and four hours restricted
electives*

Total Curriculum Requirements ............................ 68 hours

APPLIED ARTS AND TECHNOLOGY
INTERIOR DESIGN PROGRAM

A graduate of the Associate of Arts degree program in Interior Design may (1) be employed as an assistant to an interior designer, (2) be hired by retail stores as a consultant to consumers in the furniture, draping, and houseware areas, or (3) be self-employed. Other students will select this program for personal benefit.

Interior Design
ASSOCIATE OF ARTS

Major Requirements ............................................. 36 hours

IDH 121, 222, 322, 324, 326, 327, 328, 330, IET 190 or 191; 391, 394, and TCF 302.

Supporting Course Requirements .......................... 31 hours

ART 101, 102, 390*, 391*, ATO 100*, six hours of English composition*, HPR 180*, 282*, MAT 106*, three hours general education social science*, and four hours restricted electives*.

Total Curriculum Requirements ............................................. 67 hours

GRADUATE PROGRAMS

The Department of Home Economics offers the Master of Science degree in Community Nutrition which is designed to prepare professionals for nutrition positions in a variety of community health agencies.

The Department of Home Economics also provides courses at the graduate level in child and family studies, general home economics: interior design and housing; nutrition, foods and food administration; and textiles, clothing, and fashion.

The Master of Arts in Education degree with an option in home economics education is offered in the College of Education with the cooperation of the Department of Home Economics.

Course Descriptions

CDF—Child and Family Studies

132 Family Living. (3) I, II. Cross listed as HEC 132. Stages of development of the individual family members and of the family as a unit, biological, cultural, and personal accomplishments (developmental tasks) of the family throughout the life cycle will be emphasized. Credit will not be awarded for both CDF 132 and SOC 245 or HEC 132.

232 Identity and Sexuality. (3) I, II. An exploration of the changing attitudes about and among men and women and their effect on choices and interpersonal relationships. Emphasis will be on promotion and maintenance of positive mental, physical, emotional, and sexual development. Credit will not be awarded for both CDF 232 and HEA 375 or PHI 350.

241 Prenatal and Infant Development. (3) I, II. Growth and development from conception to three years.

244 Development of Preschool Child. (3) I, II. Prerequisite: CDF 241 or instructor approval. Age level characteristics and theory pertinent to the preschool child. Special emphasis on observational assessment skills and the construction of individual case studies. Credit will not be awarded for both CDF 244 and ELE 517.

245 Program Planning for Young Children. (3) I, II. Prerequisites: CDF 241 and 244, or instructor approval. Survey of learning experiences in various curriculum areas. Planning activities, including techniques and materials, to provide environment appropriate to the age and background of young children. 2 Loc 2 Lab.

247 Parent Involvement with Young Children. (3) I, II. Prerequisites: PSY 201 or 202; CDF 101 or 241. Study of effective home-school relations during the early childhood period. Methods and materials useful in working with parents. Experience includes observation of parent meetings, planning discussion groups, home visits, and parent conferences.

331 Marriage: Establishing Interpersonal Relations. (3) I, II. Prerequisite: second semester sophomore standing. Factors influencing marital adjustment, their relationship and implications for a successful marriage.

342 Child and Adolescent Development. (3) II. Prerequisite: CDF 241. Physical, mental, emotional, and social development of the child from school age to adolescence, case studies, observations, and participation experiences with children culturally advantaged and disadvantaged.


346 Assessment, Creative Materials and Concept Development. (3) A. Prerequisites: CDF 244 and 245, or instructor approval. Survey of theories related to concept development and skills acquisition for young children. Detailed overview of materials in program planning based on informal and formal assessments of children's identified strengths.

348 Introduction to Preschool Experiences. (3) I. Prerequisites: CDF 244 and 245. Examination of models of preschool education including history, goals, philosophies, materials, environments, and methods of child management. Designed to serve as preparation for practical experience in early childhood setting.

349 Cooperative Study in Child Development. (1-8) A. Prerequisite: department approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit. Maximum of three hours may be counted in major requirements toward degree.

350 Preschool Experience. (6) I, II. Prerequisites: CDF 348 or concurrent enrollment, CDF 244, 245, and 2.0 cumulative GPA and a minimum grade of C- in CDF preschool practicum courses. Practicum in preschools focusing on structuring the environment, directing learning experiences, developing techniques for guiding young children, and arranging effective communication for parent involvement. Meetings for planning, discussing, and making decisions relative to preschool operation.

437 Families Under Stress. (3) A. Prerequisite: CDF 132 or instructor approval. A detailed examination of family functioning under crisis situations. The impact of death, divorce, middle age, unemployment, single parenthood, displacement, and disability on individual members of the family will be considered.

441 Adulthood and Aging. (3) A. Individual and familial development from young adulthood to death. Particular focus on changing family roles as members age. Emphasis on social changes affecting life satisfaction, living environments, and social relations of the middle-aged and elderly.

443 Child and Family Studies Practicum. (4) A. Prerequisite: completion of two or three hours of relevant coursework approved by departmental advisor. Supervised practicum experience in settings serving children and/or their families.

533 Marital Communications. (3) A. Prerequisite: instructor approval. The married person, self-concept and self-system in relation to communication; techniques of family communication.

534 Parenting. (3) A. Prerequisites: CDF 132, 241, 244 or equivalent; instructor approval. A survey of techniques designed to promote effective parenting skills. The course will focus on methods of parent guidance and common problems encountered by parents at all stages of the child-rearing sequence.

537 Marital and Family Relationship in the Retirement Period. (3) A. Prerequisite: instructor approval. The senior citizen and the transition in family ties, anxieties, attitudes, behavior, and marital life.

548 Seminar in Child Life. (1-4) A. Prerequisite: instructor approval. Students will concentrate their interests in an intensive study of specific areas of the family and its interpersonal relationships. May be retaken to a maximum of six hours provided the topics vary.

547 Organization and Administration of Preschools. (3) II. Prerequisite: CDF 245. Study of the history of preschool education and its present organization and administration.

548 Child Development. (3) II. Prerequisites: CDF 241, 244, and six hours in CDF, or instructor approval. Current concepts and trends in child development, recent research, and literature.

549 Special Problems in Child Development. (1-3) A. Prerequisites: instructor approval and a 3.0 GPA (major). May be retaken to a maximum of six hours providing topics vary. The student chooses a
problem and works under the supervision of the instructor. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

550 Child and Family Studies Workshop: ______. (1-3) A. Study of various topics in Child and Family Studies selected to meet student needs and interests. May be retaken to a maximum of six hours providing workshop topics vary.

GRADUATE COURSES

733 Marital Communications. (3) A.
734 Parenting. (3) A.
737 Marital and Family Relationship in the Retirement Period. (3) A.
738 Seminar in Family Life. (1-3) A.
747 Organization and Administration of Preschools. (3) II.
748 Seminar in Child Development. (3) II.
749 Special Problems in Child Development. (1-3) A.
750 Child and Family Studies Workshop: ______. (1-3)) A.
831 Relationships in Marriage and Family. (3) A.

HEC—Home Economics, General

132 Family Living. (3) I, II. Cross listed as CDF 132. Stages of development of the individual family members and of the family as a unit; biological, cultural, and personal accomplishments (developmental tasks) of the family throughout the life cycle will be emphasized. Credit will not be awarded for both HEC 132 and SOC 245 or CDF 132.

200 Issues in Home Economics. (2) A. Formerly HEC 300. Identification and analysis of past and current issues, public policy, developing trends and the impact of technology. Examination of the philosophy and scope of home economics professions.

300 Professional Seminar. (2) A. Formerly HEC 200. Seminar on professional opportunities in home economics via a systematic overview of the areas of specialization and a study of their interrelationships. Introduction to techniques of preparing for interviews, writing letters of applications, resumés.

301 Research in Home Economics. (2) A. Survey of recent research in home economics and its implications. Students will study methods and techniques of research and apply to individual research projects.

303 Dissemination of Home Economics Information. (3) A. Dissemination of information for clientele in the field of home economics. Selection and utilization of resource materials in specific areas.

349 Cooperative Study in Home Economics. (1-8) A. Prerequisite: department approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate: sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.

351 Household Equipment. (3) A. Selection, use, and maintenance of household equipment and appliances. Fundamentals of gas and electricity; energy efficiency in the home.

352 The Family as Consumers. (3) I, II. Current consumer behavior by families in the marketplace. Emphasis on fraudulent schemes, current issues, laws, and organizations affecting the interests of the family as consumers. Credit will not be awarded for both HEC 352 and FIN 201.

353 Home Management. (3) A. Concepts and processes of home management as a means of achieving family goals. Effective use of human, economic, and environmental resources; work simplification principles applied to household work.

453 Home Management Experience. (3) A. Prerequisites: NFA 321, HEC 351 and 353. Students may enroll for a total of three hours credit.

453A Turley House Residence. Management of time, money, and energy as related to home environments; projects assigned. Students will reside and participate in experiences in Turley House. Reservations are made one semester in advance.

453B Turley House Residence Participation. Management of time, money, and energy as related to home environments. Married students participate in experiences in Turley House but reside in their own homes. Reservations are made one semester in advance.

453C Family Management Experience. Management of time, money, and energy as related to home environments. Married students fulfill approved experience in their own homes. Enrollment approval by department chair one semester in advance.

550 Home Economics Workshop: ______. (1-3) A. Workshops on selected topics in home economics. May be retaken to a maximum of six hours provided topics vary.

555 Seminar in Consumer Economics. (3) A. Prerequisite: HEC 352 or equivalent. Reports and discussion on topics of concern to consumers; legislation affecting consumers; resources available to consumers; consumer rights and responsibilities.

556 Special Problems in Family Economics and Management. (1-3) A. Prerequisite: instructor approval. The student chooses a problem and works under the supervision of the instructor. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours provided topics vary.

GRADUATE COURSES

750 Home Economics Workshop: ______. (1-3) A.
755 Seminar in Consumer Economics. (3) A.
756 Special Problems in Family Economics and Management. (1-3) A.

IDH—Interior Design and Housing

121 Survey of Interior Design. (3) I, II. An orientation to the profession: relationship to allied fields, contemporary developments, professional organizations, career options and philosophical approaches. Introduction to the principles and elements of design, programming, space planning, and decorative ornamentation.

222 Studio I: Visual Studies and Design Application. (3) I, II. Prerequisites or Corequisites: IDH 121 and IET 190 or 191. A study of spatial organization, psychology, theory, and terminology of color. Practical application will reflect color theories and emphasize principles and elements of design with model building and various media.

250 The Residential Environment. (3) A. Concepts influencing housing: family values and needs with emphasis on residential environment. Original plans include space analysis, room arrangement, equipment, storage created, considering design elements, principles, and objectives. Open only to non-IDH majors.

317 Interior Design Study Tour I. (1-3) A. Prerequisite: completion of freshman year in interior design program. A tour planned for interior design students to observe the operation of establishments involved in production, sales, and or display of items such as furniture and accessories. Special project required.

318 Seminar in Interior Design. (1-3) A. A survey of technical information relevant to interior design. Course content to be determined by student interests and needs. May be retaken to a maximum of six hours provided the content is different.

320 Furnishing the Residential Environment. (3) A. Coordination of furnishings and accessories within the contemporary residential environment; application of design elements, principles, and objectives through laboratory experiences; illustration techniques are utilized Open only to non-IDH majors.

321 Housing Concepts. (3) A. Economics, environmental, social, and political dimensions of housing. A study of housing, norms, types, energy use, tenancy for the future. Open to non-IDH majors.

322 Studio II: Small-Scale Residential Design. (3) I. Prerequisites IDH 121, 222, and IET 391, or concurrent enrollment in IET 391 Programming, space planning, and application of design elements and principles in small-scale residential spaces, resulting in appropriate oral and visual presentations.

324 Contemporary Architecture and Interiors. (3) II. Study of styles in architecture, interiors, furniture, accessories, significant architects and designers of the late 19th and 20th centuries with project for the future.

326 Studio III: Small-Scale Contract Design. (3) II. Prerequisite IDH 322 Corequisite: IET 394 Programming, space planning, and application of design elements and principles in small-scale contract design, resulting in appropriate oral and visual presentations.
327 Historical Architecture and Interiors I. (3) I. Prerequisite or Corequisite: ART 390. Study of architecture, interiors, furnishings of ancient and classical civilizations, Middle Ages, Italian, Hispanic, Asian, and African cultures: their historical significance and application to current design problems.

328 Historical Architecture and Interiors II. (3) II. Prerequisite or Corequisite: ART 391. Study of design in domestic architecture, interiors, furnishings of French, English, and American periods through the 19th century: their historical significance and application to current design problems.

329 Lighting Technology. (3) I. Prerequisite or Corequisite: IET 396. Study of the terminology, psychology, technology, and application of lighting systems for residential and contract interiors.

330 The Professional in Interior Design. (3) II. Prerequisite or Corequisite: IDH 326. Objectives, procedures, and ethics for the professional interior designer, with emphasis on professional practice.

345 Cooperative Study in Interior Design. (1-8) A. Work under faculty and field supervisors in placements related to academic studies. One to eight hours per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. Minimum of 80 hours work required for each hour credit.

422 Studio IV: Large-Scale Residential/Institutional Design. (3) I. Prerequisite: IDH 326. Advanced programming, space planning, and application of design elements and principles in large-scale residential/institutional design, resulting in appropriate oral and visual presentations.

424 Issues in Interior Design. (3) A. Prerequisite: junior standing or instructor approval. Individual and group investigation of current responsibilities and issues relevant to the field of interior design.

426 Studio V: Large-Scale Contract Design. (3) II. Prerequisites: IDH 329 and 422. Advanced programming, space planning, adaptive use, and application of design elements and principles in large-scale contract design resulting in appropriate oral and visual presentations.

428 Supervised Field Experience in Interior Design. (9) A. Prerequisites: Open to IDH B.S. students only. IDH 326 and 330, a 2.25 cumulative GPA and a 2.6 major GPA. Observation of an interior design firm's operation and program, with performance in assigned tasks under supervision. Reservations should be made a semester in advance.

517 Interior Design Study Tour II. (1-3) A. Prerequisite: completion of junior year in interior design. Tour of interior design resources, wholesale and retail showrooms. Study in museums, libraries, and interior design centers when possible. Special study projects.

519 Special Problems in Interior Design. (1-3) A. Prerequisite: senior standing or instructor approval. An appropriate problem is proposed in consultation with an advisor/instructor and completed under supervision. May be retaken to a maximum of six hours provided topics vary. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

521 Analytical Furniture Design. (3) A. Prerequisite: senior standing or instructor approval. Analysis of furniture design in terms of integration of function and style with structure; coordination of furniture style with interior architectural expression.

525 The Decorative Arts. (3) A. Furniture and accessories of the 18th, 19th, and 20th centuries with emphasis upon the influence of major designers and their interpreters, their stylistic characteristics and technical habitations.

550 Interior Design Workshop. (1-3) A. A workshop course designed to offer specialized expertise in numerous areas related to the discipline of Interior Design. May be retaken to a maximum of six hours provided workshop topics vary.

GRADUATE COURSES

717 Interior Design Study Tour II. (1-3) A.

719 Special Problems in Interior Design. (1-3) A.

721 Analytical Furniture Design. (3) A.

725 The Decorative Arts. (3) A.

750 Interior Design Workshop. (1-3) A.

825 Experimental Design for Architectural Interiors. (3) A.

NFA—Nutrition, Foods, and Food Administration

121 Introduction to Food Composition and Preparation. (3) I, II. Composition of foods and their properties as they affect preparation. Scientific principles of food preparation.

201 Essentials of Nutrition. (3) I, II. A scientific study of the essential nutrients and their application in meeting nutritional needs of all ages. Consideration is given to food selection, nutrition misinformation, obesity, and other common dietary problems.

202 Introduction to Dietetics. (1) A professional orientation course describing the roles of the practitioner in administrative, clinical, and community dietetics, along with relationships to other health professionals.

300 Socio-Cultural Aspects of Nutrition. (3) I, II. Social-cultural and psychological influences on the individual, community, and world nutrition. The strategies to cope with these will be explored.

301 Bio Nutrition. (3) I. Prerequisites: CHE 102 or 112; NFA 201. Structures and chemical properties of CHO, P, fat and nucleic acids, vitamins, co-enzymes, minerals, and water related to metabolic processes.

302 Diet Therapy. (3) A. Prerequisite: NFA 201. Basic diet therapy and its application to dietary treatment for patients. Nutrition guidance and counselling techniques. Study of specific diseases and relationship of modified diets to overall medical care and/or rehabilitation of the patient.

303 Clinical Experiences in Diet Therapy. (1) Formerly NFA 215B. Prerequisite or Corequisite: NFA 302. Supervised student participation in an approved health care facility.

304 Computer Assisted Foodservice Management. (1) I. Prerequisites: NFA 345 and 346. Principles and techniques in computer usage. Systems approach, coding, inventory control, production scheduling, food cost accounting, and patient nutrient intake systems.

317 Nutrition in the Life Cycle. (3) II. Formerly NFA 217. Prerequisite: NFA 201 or instructor approval. Study of dietary needs adapted to periods of the life cycle.

321 Meal Management. (3) A. Prerequisites: NFA 121 and 201. Food management, planning, preparation, and service of meals through management of time, energy, money, and efficient use of equipment. Consideration is given to nutritional needs, food habits, and social customs of family groups.

322 Experimental Foods. (3) I, II. Prerequisites: NFA 121 and CHE 102 or equivalent. Experimental procedures involving methods and techniques and their effects on the quality of products; individual problems dealing with the various aspects of food preparation.

325 Quantity Food Production. (2) I. Formerly NFA 342. NFA 245A. Prerequisites: NFA 121 and 321. Corequisite: NFA 326. Standards, principles, and techniques for managing throughout the functional subsystems of a foodservice setting; emphasis on quality, quantity, and cost control; supervision of labor.

326 Field Experiences in Quantity Food Production. (2) I. Formerly NFA 245B. Prerequisites: NFA 121 and 321. Corequisite: NFA 325. Supervised field experience in the technical application of theory presented in NFA 325.

345 Foodservice Systems Management. (2) Formerly NFA 345A. Prerequisites: NFA 325, 326, and MGT 300. Corequisite: NFA 346. Application of the systems approach to foodservice with emphasis on middle management responsibilities related to all foodservice resources: human, material, operation, and physical.

346 Field Experiences in Foodservice Systems Management. (2) II. Formerly NFA 345B. Prerequisites: NFA 325, 326, and MGT 300. Corequisite: NFA 345. Supervised field experience in the technical application of theory presented in NFA 345.

349 Cooperative Study in Nutrition, Foods and Food Administration. (1-6) A. Prerequisite: department approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.


500 Nutrition Concepts and Issues. (3) A. Fundamental principles of human nutrition and their application in meeting nutritional needs of all ages. Not open to dietetic or foodservice administration majors.

501 Human Nutrition. (3) I. Prerequisites: CHE 330 or NFA 301; BIO 301 and NFA 201. Interrelations and functions of nutrients in normal nutrition; relation of nutrient requirements at the cellular level to dietary standards.

502 Therapeutic Nutrition. (2) II. Prerequisites: NFA 317, NFA 301 or CHE 330, NFA 501 or equivalent. Corequisite: NFA 503. Theory and applications of the normal dietary patterns and specific modifications, according to disease processes. Integrates nutritional management, physiological, and biochemical alterations for pathological disorders.

503 Clinical Experience for Therapeutic Nutrition. (1) II. Corequisite: NFA 302. Supervised clinical experience in adult and long-term health care facilities in which the student will participate in patient interviewing, counseling, observing, and communicating with clinical dietetic professionals, nursing and other health professionals.

505 Maternal and Infant Nutrition. (3) A. Prerequisite: NFA 201. Nutritional requirements prior to and during pregnancy, lactation, and infancy. Survey the effects of dietary toxicants, deficiency and excesses of nutrients. Field experience.

507 Child and Adolescent Nutrition. (3) A. Prerequisite: NFA 201. Nutritional needs, problems, dietary habits, and motivations of the toddler through adolescent years. Field experience.

509 Nutrition and Aging. (3) A. Prerequisite: NFA 201. Theories of causes of aging; nutritional requirements, dietary intake and effects of nutrition on the rate of biological aging. Field experience.

511 Community Nutrition. (2) II. Prerequisite: NFA 201. Corequisite: NFA 512. Analysis of nutrition services and legislation. Survey of roles of the nutritionist in various community settings. Development of resource file and preparation of nutrition education materials for use with different population groups. Planning and conducting nutrition surveys and analysis of data.

512 Laboratory for Community Nutrition. (1) II. Prerequisite: NFA 201. Corequisite: NFA 511. Supervised field experience including observation, and participation in various community programs and settings. Experiences in individual family nutrition. (3) A.

515 Seminar in Nutrition. (1-3) A. Prerequisites: NFA 501 and instructor approval. Reports and discussions of current problems and research in nutrition.

516 Special Problems in Nutrition. (1-3) A. Prerequisites: NFA 501 and instructor approval. The student chooses a problem and works under the supervision of an instructor. May be retaken to a maximum of six hours provided the topics vary. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

555 Seminar in Food Administration. (1-3) A. Prerequisites: NFA 445 and 446. Reports and discussion of topics relative to the area of food administration. May be retaken to a maximum of six hours provided the topics vary. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

556 Special Problems in Food Administration. (1-3) A. Prerequisites: NFA 445 and 446. The student chooses a problem and works under the supervision of an instructor. May be retaken to a maximum of six hours provided the topics vary. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

G R A D U A T E C O U R S E S

700 Nutrition Concepts and Issues. (3) A.

701 Human Nutrition. (3) I.

702 Therapeutic Nutrition. (2) II.

703 Clinical Experience for Therapeutic Nutrition. (1) II.

705 Maternal and Infant Nutrition. (3) A.

707 Child and Adolescent Nutrition. (3) A.

709 Nutrition and Aging. (3) A.

711 Community Nutrition. (2) II.

712 Laboratory for Community Nutrition. (1) II.

715 Seminar in Nutrition. (1-3) A.

716 Special Problems in Nutrition. (1-3) A.

755 Seminar in Food Administration. (1-3) A.

756 Special Problems in Food Administration. (1-3) A.

801 Advanced Nutrient Study. (3) A.

802 Advanced Diet Therapy. (3) A.

804 Nutrition Assessments. (3) A.

810 Problems in Nutrition. (3) A.

811 Advanced Community Nutrition. (3) I.

817 Field Experience in Community and Clinical Nutrition. (6) A.

820 Community Nutrition Administration. (3) II.

839 Cooperative Study in Nutrition, Food, and Food Administration. (1-6) A.

841 Volume Foodservice Management. (3) A.

850 Nutrition, Food, and Foodservice Administration Workshop: (1-3) A.

T C F — T e x t i l e s , C o l o u r i n g , a n d F a s h i o n

101 Apparel Quality Analysis. (3) I, II. A study of factors that influence quality levels of sewn products. Introduction to style terminology and grading of ready-to-wear apparel.

102 Introductory Clothing Construction. (3) I. II. Basic principles of clothing construction, selection, alteration and fitting of commercial patterns.

201 Introduction to Textiles. (3) I, II. Introduction to yarns, fibers, fabrics, and finishes with limited physical examination and emphasis on consumer use. 2 Lect. 2 Lab.

203 Pattern Alteration and Fitting. (3) II. Prerequisite: TCF 102. A basic study of pattern alteration and fitting using commercial patterns.

219 Fashion and the Industry. (3) II. The study of the fashion industry from fiber producer to designer to manufacturer. Includes auxiliary fashion enterprises such as fashion periodicals.

222 Fashion Illustration. (3) A. Prerequisite: TCF 101. Methods and materials for clothing illustration, including sketching of the elongated fashion figure and computer-aided design. Illustration, color and fabric rendering of original designs and clothing lines.

301 Fundamentals of Textiles. (3) I, II. Prerequisites: CHE 102 and TCF 201. A study of fibers, fabrication, and finishes with limited physical and chemical examination.

302 Textiles for Architectural Interiors. (3) I, II. Characteristics, properties, specifications, and uses of textiles for architectural interiors. 2 Lect. 2 Lab.

305 Techniques in Apparel. (3) A. Prerequisites: TCF 102 and 203, or instructor approval. Advanced techniques in apparel construction with emphasis on use of special fabrics.

310 Historical Costume and the Social Order. (3) I. History of dress from ancient Egypt through the 20th century. Factors which influence the style of dress are studied and relationship between costume of the past and current modes.

312 Fibre Pattern Design. (3) A. Prerequisites: TCF 202 and 203, or instructor approval. A study of the development of original design through flat pattern techniques.

313 Apparel Design Analysis. (3) I, II. Prerequisite: junior standing. Visual analysis of apparel and the human form through identification and application of the elements and principles of design. Consideration of clothing as an aesthetic expression and of individual physical and social clothing needs throughout the life cycle.

319 Fashion Merchandising. (3) I. Prerequisite TCF 219. The merchandising of fashion apparel, including planning fashion assortment and budgets, controlling merchandise, buying procedures, vendors and vendor relations. Practice in merchandising mathematics.

339 Visual Merchandising. (3) I, II. Formerly TCF 239. Prerequisite junior standing or instructor approval. Principles and techniques used in the display of fashion merchandise and their application in planning and actual display of fashion goods for stores and interiors.

349 Cooperative Study in Textiles, Clothing and Fashion. (1-8) A. Prerequisite: department approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 90 hours work required for each academic credit.

410 History of Textiles. (3) II. Prerequisite TCF 201. The study of the development and economic importance of textiles from prehistoric time to the present.
411 Tailoring. (3) A. Prerequisites: TCF 102 and 203, or instructor approval. Application of tailoring techniques to garments made from commercial patterns.

412 Costume Design Through Draping. (3) A. Prerequisites: TCF 102 and 203, or instructor approval. A study of costume design through application of draping techniques, using the half figure.

413 The Professional in Fashion Merchandising. (3) I, II. Prerequisites: TCF 319 and 349. Insight into problems of store management and personnel training as found in fashion organizations. Practice in merchandise planning and analysis as affected by target customer demographics and behavior. Preparation for the fashion merchandising practicum including resumes, cover letters, and interviews.

414 Fashion Merchandising Practicum. (10) A. Prerequisite: TCF 413. Supervised practicum in a retail store studying aspects of the merchandising of textile and clothing products.

415 The Professional in Apparel Design. (3) A. Understanding the relationship of the designer to the apparel industry; fabricating a line, cost accounting, the working sketch, sources of materials and design inspiration.

510 Socio-Psychological Factors of Apparel. (3) A. Prerequisite: TCF 101 or instructor approval. Social, cultural, and psychological factors which influence personal satisfaction in selection and use of apparel.

517 Textiles, Fashion and Merchandising Tour. (1-3) A. Prerequisite: instructor approval. Tour of wholesale and retail outlets in fashion industry centers. Professional exposure to many aspects of the fashion industry. Special study project. May be retaken to a maximum of six hours provided the destinations differ.

519 Special Problems in TCF. (1-3) A. Prerequisites: 3.0 GPA and instructor approval. The student selects a problem and works under the supervision of the instructor. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours provided topics differ.

550 TCF Workshop: ______. (1-3). A. A workshop course designed to offer specialized expertise in numerous areas related to textiles, clothing, and fashion. May be retaken to a maximum of six hours provided workshop topics vary.

GRADUATE COURSES

710 Socio-Psychological Factors of Apparel. (3) A.
717 Textiles, Fashion and Merchandising Tour. (1-3) A.
719 Special Problems in TCF. (1-3) A.
750 TCF Workshop: ______. (1-3) A.

DEPARTMENT OF INDUSTRIAL EDUCATION AND TECHNOLOGY


The Department of Industrial Education and Technology prepares industrial arts teachers for the secondary schools, vocational-industrial and technical teachers for vocational-technical schools, and technicians and technologists for construction and manufacturing industries.

The Bachelor of Science degree in construction technology is a four-year degree designed to prepare students to function in supervisory and management roles in the construction industry. The program provides an understanding of both the technical and management functions in the construction industry. Students also receive foundations in business organization, mathematics, and the sciences.

The four-year comprehensive area major, specialized area major, and first major in industrial arts education are programs designed to prepare industrial arts teachers to teach technology education subjects at the middle school or senior high school level. The two-year and four-year vocational-industrial and technical education degree programs prepare industrial education teachers who plan to teach industrial education at the preparation level in the high schools, area vocational centers, and state vocational-technical schools in Kentucky. The two-year program is an in-service program, and the four-year program is a pre-service program.

The Bachelor of Science degree in industrial technology is a four-year degree designed to prepare industrial technologists.

The degree provides both breadth and depth in technical areas with a foundation in management, mathematics, natural science, social sciences, and communication to prepare the individual to function in an industrial environment. A student can elect to complete an area major, first or second major, or minor in industrial technology.

The Department of Industrial Education and Technology offers several two-year programs designed to prepare technicians for industry. These programs lead to the Associate of Science degree in:

- Computer Electronics Technology
- Drafting and Design Technology
- Industrial Electronics Technology
- Printing Technology
- Quality Assurance Technology

Construction Technology

AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements .......................................................... 54 hours
CON 121, 201, 202, 221, 222, 307, 320, 322, 323, 334, 349
(three hours), 420, 421, 423, 425, 426, 432, and IET 190 or 191.

Supporting Course Requirements ............................ 40-41 hours
ACC 201, CSC 171, ECO 230, GLY 108, IET 161 or 109 or 107 and 108; MGT 300, 320, 410, PHY 131, 132; and three hours from ECO 300, GBU 204, IET 207, INS 370, MGT 330, or RST 310 or 320.

General Education Requirements .......................... 28 hours
Standard General Education program, excluding course categories 03, 04, 09, 14, 15, 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements .................................................. 9 hours
ATO 100; eight hours of restricted electives.

Total Curriculum Requirements .................................. 131 hours

Industrial Arts Education (Teaching) +
COMPREHENSIVE AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ...................................................... 48 hours
IET 142, 161, 180, 191, 233, 238, 242, 281, 311, 351, 372, 394, 462, and 465; 349 (three hours) or IET elective; 461 or 464.
Supporting Course Requirements .................................. 15 hours
CSC 171, 172, IET 261, 361; MAT 106 or 107; EMG 447.

Teacher Education Requirements ................................ 28 hours
EDF 102, 202, 317, EPY 318, ESE 452, 496, and 499.

General Education Requirements ................................. 40 hours
Standard General Education program excluding course categories 03 and 04 (upon completion of MAT 107). Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ........................................... 9 hours
ATO 100; eight hours of restricted electives.

Total Curriculum Requirements .................................. 142 hours
Freshmen entering the above program will be expected to have drafting competencies equivalent to those taught in a high school drafting course. An opportunity to obtain these skills will be provided those who are deficient.

+ A graduate of the above program shall have a minimum of 1,000 hours of work experience related to the goals of teacher preparation in industrial education or a minimum of 320 hours of supervised work experience (IET 349). Students must also take the National Teacher’s Examination before graduation.

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Industrial Arts Education (Teaching) + SPECIALIZED AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements .................................................. 48 hours
IET 142, 161; 180 or 281; 191, 233, 238, 311, 349; IET 461 or 462; nine-twelve hours of IET electives in one technical area.

Supporting Course Requirements ................................ 15 hours
CSC 171, 172, IET 261, 361; MAT 106 or 107; EMG 447.

Teacher Education Requirements ................................ 28 hours
EDF 102, 202, 317, EPY 318, ESE 452, 496, and 499.

General Education Requirements ................................. 40 hours
Standard General Education program excluding course categories 03 and 04 (upon completion of MAT 107). Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ........................................... 9 hours
ATO 100; eight hours of restricted electives.

Total Curriculum Requirements .................................. 140 hours
Freshmen entering the above program will be expected to have drafting competencies equivalent to those taught in a high school drafting course. An opportunity to obtain these skills will be provided those who are deficient.

+ A graduate of the above program shall have a minimum of 1,000 hours of work experience related to the goals of teacher preparation in industrial education or a minimum of 320 hours of supervised work experience (IET 349). Students must also take the National Teacher’s Examination before graduation.

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Industrial Arts Education (Teaching) + FIRST MAJOR (BACHELOR OF SCIENCE)

Major Requirements .................................................. 36 hours
IET 142, 161, 180, 191, 238, 311, 349 (three hours), 351, 372, 394; six hours from IET 461, 462, 464 or 465.

Minor Requirements .................................................. 18 hours
Supporting Course Requirements ................................ 15 hours
CSC 171, 172, IET 261, 361; MAT 106 or 107; EMG 447.

Teacher Education Requirements ................................ 28 hours
EDF 102, 202, 317, EPY 318, ESE 452, 496, 499.

General Education Requirements ................................. 40 hours
Standard General Education program excluding course categories 03 and 04 (upon completion of MAT 107). Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ........................................... 9 hours
ATO 100; eight hours of restricted electives.

Free Electives or Cooperative Electives ............................. 6-8 hours
Total Curriculum Requirements .................................. 128 hours

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Industrial Technology

AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ................................................. 57 hours
IET 161; IET 190 or 191; IET 238, 302, 308, 406, and 408; nine hours from IET 142; 180 or 281; 311, 351, and 372; and a minimum of 27 hours in a technical area as follows:

Architectural Technical Drawing: Core electives IET 180 or 281, and 191; IET 195, 292, 391, 394, 395, 492, 495, and 496; and three hours from IET 332, 396. CON 221, GEO 355, IET 382, 501, or IDH 426.

Computer Assisted Design Computer Assisted Manufacturing: Core electives IET 191 and 261; CSC 174 (can be used for the supporting course requirement), IET 195, 292, 391, 395, 487, 488, 492 and 495.

Computer Electronics: Core elective IET 351; CSC 174 (can be used for the supporting course requirement), IET 353, 354, 357, 358, 451, 452, 456, and 458.

Electrical Mechanical Power Systems: Core electives IET 351 and 372; IET 250, 303, 353, 357, 374, 376, and 471; six hours from IET 352 and 356, 358 and 451, or 358 and 456.

Graphic Arts: Core elective IET 311; IET 314, 315, 316, 317, 349 (three hours), 411; ACC 201; and six hours from ACC 202, CIS 250, FIN 300, IET 391, MGT 320, 330, MKT 300 or 315.

Industrial Electronics: Core electives IET 351 and 372; IET 352, 353, 356, 357, 358 and 359; IET 374 or 376; 6 hours from IET 451, 452 and 456.

Manufacturing: Core electives IET 180, 351, and 372; CSC 174 (can be used for the supporting course requirement), IET 195, 281, 303, 353, 381, 382, and 384; IET 374 or 376; IET 357, 358 or 456.

Wood Products Manufacturing: Core electives IET 412 and 372; IET 143, 195, 242, 244, 303, 343, 344, 374, 381 and 445.

Supporting Course Requirements ................................ 26-28 hours
ECO 230, 300; MAT 109 or 107 and 108 (or six hours of higher level MAT courses); MGT 300, PHY 131, 132, and three hours of computer programming. Students with a graphic arts specialization should substitute CHE 101 for PHY 132.

General Education Requirements ................................ 28 hours
Standard General Education program, excluding course categories 03, 04, 09, 14, 15, and 16. Refer to Part Three of this Catalog for details on General Education and University requirements.

University Requirements ..................................... 9 hours
ATO 100; eight hours of restricted electives.

Free Electives or Cooperative Electives ............................. 6-8 hours
Total Curriculum Requirements .................................. 128 hours
Industrial Technology

FIRST MAJOR (BACHELOR OF SCIENCE)

Major Requirements .................................................. 39 hours
IET 161; 190 or 191; IET 302, 308, 406, and 408; six hours from IET 180 or 281, 238, 142, 311, 351, or 372; and minimum of 15 hours in one technical area as follows:

Computer Electronics: Core electives IET 351; CSC 174, (can be used for the supporting course requirement), IET 353, 354, 357, 456 and 458.

Graphic Arts: Core elective IET 311; IET 314, 315 or 391, 316, 317, and 411.

Industrial Electronics: Core electives IET 281 and 351; IET 352, 357, 358, 372; and 451 or 452.

Technical Drawing: Core requirement IET 191; IET 195, 292, 391, 395, and 492.

Wood Products Manufacturing: Core elective IET 142; IET 143, 242, 244, 343, 344, and 445.

Minor Requirements .................................................. 18 hours
Supporting Course Requirements ................................ 26-28 hours
ECO 230, 300; MAT 109 or 107 and 108 (or six hours of higher level MAT course); MGT 300, PHY 131, 132, and three hours of computer programming. Students with a graphic arts specialization should substitute CHE 101 for PHY 132.

General Education Requirements .................................. 28 hours
Standard General Education program, excluding course categories 03, 04, 09, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ........................................... 9 hours
ATO 100; eight hours of restricted electives.

Free Electives or Cooperative Education .................. 6-8 hours
Total Curriculum Requirements ................................. 128 hours

MINOR IN INDUSTRIAL TECHNOLOGY

A student with a first major in another field may complete a minor in industrial technology by taking the following courses in one area of specialization:


Computer Electronics: CSC 180; IET 190 or 191; IET 351, 353, 357, 358, 451 and 452.


Graphic Arts: IET 190 or 191; IET 311, 314, 315, 316, 317, 391, and 411.

Industrial Electronics: IET 190 or 191; IET 351, 352, 357, 358, 372, 451 and 452.

Mechanical Power Systems: IET 190 or 191; IET 303, 351, 372, 373, 374, 376 and 471.

Metals: IET 180, 191, 281, 292, 351, 382 and 487; IET 383, 384 or 488.


Wood Products Manufacturing: IET 142, 143; IET 190 or 191; IET 242, 244, 343, 344, 445, and three hours of woods electives.

Vocational-Industrial and Technical Education (Teaching) + AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements .................................................. 69 hours
Professional Industrial Education ......................... 21 hours
IET 261, 361, 364 and 463.

Technical Industrial Education ................................. 48 hours
IET 161 and 45 semester hours of IET technical courses to be chosen in consultation with an advisor. A maximum of 18 semester hours may be allowed by proficiency examination (IET 204, 205, 206, 304, 305 and 306). Nine semester hours maximum may be allowed for supervised work experience (IET 349).

Supporting Course Requirements ------------------------- 9 hours
EDF 317, EPY 318**, and three hours of general education mathematics.

General Education Requirements ............................. 43 hours
Standard General Education program excluding course categories 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ........................................... 9 hours
ATO 100; eight hours of restricted electives.

Total Curriculum Requirements ................................. 130 hours

+ Graduates of this program must have a minimum of 2,000 clock hours of planned and supervised work experience in the occupation in which they will teach, or a minimum of three years of approved work experience in the occupation in which they will teach. Students must also take the National Teacher's Examination before graduation.

**In-service teachers may substitute SED 388 for EPY 318.

Computer Electronics Technology ASSOCIATE OF SCIENCE

Major Requirements .................................................. 36 hours

Supporting Course Requirements .............................. 29 hours
ATO 100*, CSC 171, six hours of English Composition*, MAT 107*, 108, PHY 131*, four hours of restricted electives*, three hours of general education humanities*, and three hours of general education social science*.

Total Curriculum Requirements ................................. 65 hours

Drafting and Design Technology ASSOCIATE OF SCIENCE

Major Requirements .................................................. 33 hours
IET 191, 195, 207, 281, 292, 394, 395, 492, 495; six hours electives from IET 332, 349 (three hours), 391, 396, 496, or GEO 355.

Supporting Course Requirements .............................. 33 hours
ATO 100*, CSC 174, ECO 230, six hours of English Composition*; HPR 180*, 282*, MAT 107*, 108, PHY 131*, three hours of general education humanities*, and four hours restricted electives*.

Total Curriculum Requirements ................................. 66 hours
Industrial Electronics Technology
ASSOCIATE OF SCIENCE

Major Requirements .............................................. 36 hours

Supporting Course Requirements 29 hours
ATO 100*, CSC 171, six hours of English Composition*; MAT 107*, 108, PHY 131*, four hours of restricted electives*, three hours of general education humanities*, and three hours of general education social science*.

Total Curriculum Requirements .................................. 65 hours

Printing Technology
ASSOCIATE OF SCIENCE

Major Requirements .............................................. 34 hours
IET 190 or 191; IET 207; IET 302 or 308; IET 311, 314, 315, 316, 317, 349 (four hours), 391, and 411.

Supporting Course Requirements 29 hours
ACC 201, ATO 100*, CHE 101*, six hours of English Composition*; HPR 180*, 282*, MAT 107*, three hours general education social science*, three hours of general education humanities*, and four hours restricted electives*.

Free Electives ................................................... 1 hour
Total Curriculum Requirements .................................. 64 hours

Quality Assurance Technology
ASSOCIATE OF SCIENCE

Major Requirements .............................................. 30 hours
IET 190 or 191; IET 281; IET 302 or Introduction to Quality Control and Total Quality Control AT CKSVTS**; IET 308, 349 (four hours), 406, and the following courses at CKSVTS**: Metrology; Statistical Quality Control I: Purchased Material; Quality Assurance, Quality Cost, Statistical Quality Control II, or Shop Floor Controls: Pre-production and Planning; and Technical Report Writing.

Supporting Course Requirements 34 hours
ATO 100*, CSC 174, ECO 230, six hours of English Composition*; HPR 180*, 282*, MAT 107*, PSY 202, STA 270, 271, three hours of general education humanities*, and four hours restricted electives*.

Total Curriculum Requirements .................................. 64 hours

**This is a cooperative program sponsored by Eastern Kentucky University and the Central Kentucky State Vocational Technical School in Lexington, Kentucky. Students are expected to take courses in both locations.

Course Descriptions

CON—Construction Technology


201 Materials and Methods of Construction I. (3) I, II. Formerly CON 301. Prerequisite or Corequisite: CON 121. Composition, manufacture, types, and grades of construction materials and building products with emphasis on wood, metal, and plastic materials. Methods involved in the use of these materials in the construction of buildings.

202 Materials and Methods of Construction II. (3) I, II. Formerly CON 302. Prerequisite or Corequisite: CON 121. Composition, manufacture, types and grades of construction materials and building products with an emphasis on concrete, masonry, glass, roofing, and finishing materials. Methods involved in the use of these materials in the construction of buildings.

221 Plane Surveying. (3) I. Prerequisites: MAT 109 or 107 and 108. Principles of surveying, including techniques, field practice, and calculations. Introduction to the general use and care of surveying instruments.

222 Strength of Materials. (3) II. Prerequisites: MAT 109 or 107 and 108; PHY 131. A study of the fundamentals of stress and strain, shear and bending stresses in beams, deflections of beams, and axial loads on columns. Includes a review of statics.

300 Construction Materials. (3) A. Composition, manufacture, properties, types, grades, and used of common construction materials and products.

307 Foundation Construction. (3) II. Prerequisites: MAT 109 or 107 and 108. A study of soil mechanics as it relates to foundation construction. Topics include soil classification, engineering properties, compaction testing, types of foundation systems, and methods of foundation construction.

320 Construction Surveying. (3) II. Prerequisite: CON 221. The application of surveying skills as they relate to construction. Projects will include building layout, centerline staking, elevations and distances by indirect methods, point referencing, and earthwork calculations.

321 Construction Methods. (3) A. Basic types of construction: wood-frame, heavy timber, reinforced concrete, and structural steel. Laboratory activities related to specific techniques involved with each type of construction.

322 Construction Structural Design. (3) I. Prerequisite: CON 222. Computation of loads, reactions, shears and moments on structures. Principles of structural design related to the design of temporary structures used in the construction process.

323 Construction Estimating. (3) I. Prerequisites: CON 201, 202. IET 190 or 191; MAT 109 or 107 and 108. A study of labor, material, equipment, and subcontracting related to construction estimating. Experiences in establishing work items and estimating work quantities.

Vocational-Industrial and Technical Education (Teaching)
ASSOCIATE OF SCIENCE

Enrollment in this program is restricted to in-service vocational-industrial teachers and graduates of a Kentucky State Vocational Technical School post-secondary program.
324 Mechanical Installations. (3) II. Prerequisites: PHY 132; IET 190 or 191. Plumbing, heating, and air-conditioning systems for residential and commercial buildings. Water supply and drainage systems, heat loss, heat gain.

349 Cooperative Study: Construction Technology. (1-8) A. Prerequisites: 30 semester hours of credit with a 2.0 grade point average and departmental approval. Work under faculty and field supervisors in placements related to construction technology. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen baccalaureate. A minimum of 80 hours work required for each academic credit.

401 Special Problems in Construction Technology. (1-3) A. An independent study course for exceptional upper division undergraduate students. A study proposal will be developed by the student and approved by the faculty supervisor and department chair prior to enrollment. May be retaken provided the topic of study is different.

420 Value Engineering for Construction Projects. (3) I. Prerequisites: MAT 109 or 107 and 108; ECO 230. Financial analysis and economic evaluation of alternatives in the construction industry. The goal of economic efficiency is applied to both design and construction methods.

421 Contracts, Plans, and Specifications. (3) I. Prerequisite: CON 323. General principles of contract documents. Preparation of construction documents, including contracts and specifications.

423 Construction Bidding. (3) I. Prerequisite: CON 323. A study of the various methods used to estimate the costs of work items as well as overhead. Costs of labor, materials, equipment, and subcontractors are developed. Complete bids are prepared for various work packages.

425 Project Organization and Supervision. (3) II. Prerequisite: MGT 304 and 320. Business policies and problems in relation to construction enterprises. Contractor's organization, financial management, project management, and equipment economics.

426 Cost Control. (3) II. Formerly CON 422. Prerequisites: CON 423 and 425. A study of cost control on a construction project. Topics include coding; monthly job cost reports; cash flows; change orders; progress estimates; and cost control of labor, materials, equipment and subcontractors.

432 Scheduling. (3) II. Prerequisites: IET 161 and CON 423. The planning and scheduling of construction activities as accomplished through the use of critical path method scheduling techniques. Schedules are developed using both manual and computer procedures.

IET—Industrial Education and Technology

141 Elementary Woodworking. (3) I, II. Basic instruction in the use of common hand tools, basic machine operations, wood veneering and laminating, problems in furniture construction, related technical information, and finishing materials and methods. Not open to students majoring in a program in the IET department.

142 Basic Wood Processing. (3) I, II. Manufacturing processes involved in the production of lumber, plywood, and other primary wood products; furniture, cabinets, millwork, an other secondary wood products. Laboratory activity includes instruction in the use of basic woodworking tools and machines, and the production of a small piece of furniture.

143 Wood Products Industry Exploration. (1) A. Independent exploration of the wood products industry through on-site visitation, observation, and interviews. Each student will be expected to visit at least three different industries.

161 Computer Applications in Industry. (3) I, II. Prerequisite: CSC 171. A survey of computer systems and software applications currently being used in manufacturing and construction industries.

173 Woodworking Technology. (1-3) A. Instruction of new vocational teachers in areas of principles of instruction, lesson planning, oral instruction, instructional aids, demonstrations, evaluation, and follow-up. Satisfactory-unsatisfactory grading. May not be retaken.

172 Auto Mechanics. (3) A. Formerly IET 472. A study of the operation and minor repair of starting, charging, lighting, and accessory circuits and the suspension, power brake, steering, and air conditioning systems in modern automobiles.

180 Hot Metal Processes. (3) I, II. Basic information and operations in foundry practices; forging; heat treating; soldering; and resistance, arc, and oxyacetylene welding.

190 Basic Technical Drawing. (3) I, II. Basic technical drawing involving sketching, lettering, orthographic projection, pictorial representation, and drafting techniques.

191 Technical Drawing I. (3) I, II. Prerequisite: one Carnegie unit of credit in high school technical drawing or equivalent. A course designed for the student who has a background in drawing at the high school level. Emphasis is placed on size description of objects by multiview and orthographic projection, perspectives, sectional views, and auxiliary projections.

195 Computer Assisted Drafting. (3) I, II. Prerequisite or Corequisite: IET 190 or 191. A competency-based instructional course to familiarize the student with the characteristics and operational methods of several different computer assisted drafting systems. Topics include CAD development, system components, basic drawing commands, input/output devices, and introduction of the Satisfactory-unsatisfactory grading system.

203 Staff Exchange. (2-6) A. For in-service vocational teachers enrolled in an approved staff exchange program designed to update technical skills and knowledge in an industrial setting. First week of exchange is equal to two semester hours of credit with an additional hour of credit for each additional week. Satisfactory-unsatisfactory grading.

204 Related Science, Mathematics, and Technology in Occupations. (3) A. Offered only through written examination; applicant must be eligible for a vocational teaching certificate.

205 Manipulative Skills in Occupations I. (3) A. Offered only through technical competence examination; applicant must be eligible for a vocational teaching certificate.

206 Related Knowledge: Occupations I. (3) A. Offered only through written examination; applicant must be eligible for a vocational teaching certificate.

207 Principles of Industrial Management. (3) I, II. A practical approach to management to include the organizing, planning, controlling, and developing of operations used in decision making and problem solving. Relationship of human resources to the economics and technological environment of industry.

233 Industrial Arts Design. (3) I, II. Prerequisite: IET 142 and 190 or 191. Study of application of the principles of three-dimensional design related to various media, emphasis on experimentation and problem solving in developing and construction design solutions. Technical illustration techniques to include pencil rendering, ink delineation and other methods.


242 Furniture and Cabinet Construction. (3) I, II. Prerequisite: IET 141 or 142. Principles of furniture and cabinet construction, elements of structural design, advanced woodworking operations; care and sharpening of tools; related technical information; furniture and cabinet construction and finishing.

244 Wood and Wood Products Technology. (2) A. Structure, identification, and properties of wood; wood deterioration; wood seasoning; and use of various wood products.

250 Energy Management and Conservation. (3) A. A course designed for those interested in energy management and conservation in industrial, commercial, and residential buildings. The content of the course deals primarily with methods of saving energy in buildings.

261 Foundation of Industrial Education. (3) I. A study of the historical, philosophical, economical, sociological and psychological foundations of industrial education related to elementary, secondary, and post-secondary industrial education.

264 Instructional Materials. (3) A. Selection and arrangement of teaching content; preparation of assignment, operation and information sheets; development of instructional techniques and general curriculum at appropriate levels of industrial education.

281 Cold Metal Processes. (3) I, II. Basic information and operations in cold metal forming and machining. Areas of emphasis include sheet metal fabrication, forming, conventional machining, and introduction to numerical control (NC) and computer numerical control (CNC) processing.

292 Technical Drawing II. (3) I. Prerequisites: IET 191 and 195. The application of drafting techniques in the preparation of working drawings, including a study of threads and fasteners, cams and gears, welding symbols, secondary auxiliaries, shop processes, pictorials, and computer aided drafting applications.

302 Quality Control. (3) I, II. Course topics include the purposes and goals of quality control, economics of quality control, quality...
303 Automated Manufacturing. (3) A. Designed to provide a basic understanding of automation and its various applications in manufacturing. Implications of automation, type and levels of automation, material handling techniques, parts design, computer-aided manufacturing, robotics, economic considerations and future trends.

304 Related Science, Mathematics and Technology in Occupations II. (3) A. Offered only through written examination; applicant must be eligible for a vocational teaching certificate.

305 Manipulative Skills in Occupations II. (3) A. Offered only through technical competence examination; applicant must be eligible for a vocational teaching certificate.

306 Related Knowledge: Occupations II. (3) A. Offered only through written examination; applicant must be eligible for a vocational teaching certificate.

308 Motion and Time Study. (3) I, II. A laboratory course which examines human factors in motion and time study, motion economy, analysis and charts, photographic and electronic techniques, film analysis, effort rating, work measurement, direct time study, predetermined time study and standards for pay and production.

311 Introductory Graphic Arts. (3) I, II. A study of basic graphic arts processes. Activities include layout and design, composition, elementary presswork, photo-offset lithography, screen printing, and photography.

312 Graphic Arts Reproduction. (3) I, II. Prerequisite: IET 311. Graphic arts reproduction with emphasis on phototypesetting applications, complex layout and design, process photography, and production printing techniques as they apply to offset lithography. Not open to IET students specializing in graphic arts.

314 Computer Typesetting. (3) I. A study of typesetting systems with emphasis on computer typesetting. Topics include measurement, type structures, typesetting nomenclature, programmed command systems, ruling, file management, editing, pagination, and copyfitting.

315 Photography I. (3) I, II. Emphasis on black and white photography, including composition for film and darkroom techniques, photographic printing, finishing, and equipment. Credit will not be awarded to students who have college credit in another photography course. 35mm camera required.

316 Intermediate Graphic Arts. (3) II. Prerequisite: IET 311. Advanced study of procedures in photo offset lithography reproduction. Topics include typesetting, layout and design, copy preparation, line photography, halftone photography, image assembly, image carriers, pre-press operations, production finishing, and supply purchasing.

317 Printing Supervision and Control. (3) II. Prerequisites: IET 316 and 302 or 308. Topics include estimating, purchasing, production planning and control, work measurement. Emphasis is placed on the problems encountered in job production systems.

322 Crafts for Children. (3) I, II. Introduction to various craft media and their application in recreational elementary crafts programs. Emphasis on activities appropriate for children and the use of inexpensive and readily available materials.

326 Crafts. (3) I, II. A comprehensive study of crafts to include leather, plastics, lost wax casting, lapidary, woodcraft, stained glass, and other appropriate craft materials.

332 Product Design. (3) I, II. Prerequisite: IET 391. Elements of product design as it relates to materials such as woods, metals, and plastics. Emphasis placed on experimentation and problem solving in developing design solutions, detailed drawings, and illustrations and the presentation of design ideas.

333 Special Problems in Industrial Education and Technology. (1-6) I, II. An independent study course for exceptional undergraduate students. A study proposal will be developed by the student and approved by the faculty supervisor and department chair prior to enrollment. May be retained provided the topic of study is different.

343 Industrial Finishing. (3) A. Prerequisite: IET 244. Materials and methods of industrial finishing; new finishing methods, including robotic applications; material handling; practice in the application of spray finishes.

344 Furniture Production. (3) A. Prerequisites: IET 242, 302, and 308. Industrial machines and processes used in the manufacture of furniture; production planning, prototype construction, and production operations. The class mass-produces a piece of furniture.

349 Cooperative Study in Industrial Education and Technology. (1-8) I, II. Prerequisite: departmental approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen baccalaureate. A minimum of 80 hours work required for each academic credit.

351 Basic Electricity. (3) I, II. Principles of static and current electricity; measures of electricity, heat, light and power.

352 Rotating Electrical Machinery and Power Distribution. (3) I. Prerequisite: IET 351. Principles and operation of electric motors, generators, and transformers.

353 Digital Electronics. (3) A. Formerly IET 359. Prerequisite: IET 351. The study of logic circuit digital systems, computer operational characteristics, memory systems, and control circuitry.

354 Machine Language for Microcontrollers. (3) A. Formerly IET 351. Prerequisite: CSC 171 or CSC 174. Machine language programming for ROM based 8 and 16 bit microprocessor-industrial controllers.

356 Electrical Power Systems and Control Applications. (3) II. Prerequisite: IET 351. Modern electrical power systems; the production, distribution, measurements, and control of electrical power systems with emphasis on wiring design and control.

357 Electronic Devices. (3) I, II. Prerequisite: IET 351. A technical analysis of static and dynamic characteristics of solid state electronic amplifying and power control devices.

358 Electrical and Electronic Circuit Analysis. (3) I, II. Prerequisite: IET 351. Electrical and electronic calculations and circuit analysis techniques. Emphasis on problem solving, supplemented by laboratory analysis of direct and alternating current electrical and electronic circuits.

359 Linear Circuits. (3) A. Prerequisite: IET 357. Not to be confused with IET 359 Digital Electronics offered before September 1987. The operation and application of linear IC's including OP amps, comparators, phase lock loops, voltage controlled oscillators, timers, and function generators.

361 Course Materials in Industrial Education. (3) I. The preparation of instructional materials and instructional techniques, including the development and use of visual aids. The content will include the development of curricula appropriate to levels of educational instruction, and appropriate laboratory activities.

363 Evaluation in Vocational and Technical Education. (3) A. Methods of evaluation, preparation of measuring devices: methods of assessing technical competency; interpretation of standardized test results; statistical analysis of test data and the improvement of instruction.

364 Methods in Vocational-Industrial and Technical Education. (3) A. Presentation and application of instructional materials, methods, techniques and devices relevant to teaching vocational-industrial and technical subjects.

368 Workshop in Industrial Education and Technology. (1-4) A. Presentation of industrial education and technology topics of a timely or specialized nature in a workshop format. May be retaken provided the topics are different.

372 Mechanical Power Systems. (3) I, II. Principles of operation and application of the generation, control, transmission and utilization of power with emphasis on internal combustion engines, simple machines and mechanical power transmission devices, fluid power, and electrical power.

373 Internal Combustion Engines. (3) A. Prerequisite: IET 372. Study of the multi-cylinder engine fuels and fuel systems; lubrication, cooling, ignition, tests, tune-up, adjustment, and minor repair.

374 Fundamentals of Fluid Circuits and Systems. (3) A. Prerequisite: IET 372. The study of the applications, physical laws, and principles of the operation and construction of fluid circuits, and components. Analysis of the properties of fluids, available types of fluid components, and their function within fluid circuits. Similarities and differences between pneumatic and hydraulic systems, components, symbols, circuit design, and calculations.

376 Fluid Power Circuits and Systems. (3) A. Prerequisite: IET 372. The designing, assembling, and operation of fluid power circuits using pneumatic, hydraulic, and electrical components. Circuit calculations, component selection, circuit troubleshooting, and applications in industry.

381 Computer Assisted Manufacturing. (3) A. Prerequisites IET 195 and 281. Designed to teach the effective utilization of computer technology in manufacturing applications. Emphasis placed on the creation and utilization of a manufacturing data base, for the purpose of programming, controlling, and monitoring data control machines and equipment.
382 Machine Tool Processes. (3) I, II. Prerequisite: IET 281. Precision work performed on lathes, mills, and surface grinders. The planning and production of a mass-produced product that includes numerical control and computer numerical control applications.

383 Arc and Oxyacetylene Welding. (3) A. Manipulative processes and related information basic to successful arc, oxyacetylene, and tungsten inert gas welding; metallurgy of welding; and physical testing of weldments.

384 introduction to Robotics. (3) A. Course designed to prepare students with a working knowledge of robotics and the relationship of the robot to the workplace. Students will be required to create application programs for robots.

391 Technical Illustration I. (3) I, II. Prerequisite: IET 190 or 191. Axonometric projection, oblique, perspectives, and illustration techniques to include pencil rendering, and ink delineations.

394 Architectural Drawing I. (3) I, II. Prerequisite: IET 190 or 191. Basic principles of house planning and design of a home architecture, comparative study of building materials, preparation of a complete set of plans and specifications for a small home.

395 Descriptive Geometry. (3) II. Prerequisite: IET 190 or 191. Application of the theory of orthographic projection to the graphical representation and solution of three-dimensional problems.

396 Structural Drawing. (3) A. Prerequisite: IET 195. Basic technical drafting as it is related to the depicting of structural members for structural steel, reinforced concrete, structural wood, and curtain wall construction.

406 Production Planning and Control. (3) I, II. Prerequisites: IET 302, 308, and MGT 300. A senior project laboratory course which examines consumer needs, product design, product engineering, tooling-up for production, establishing production and quality standards, planning and controlling production activities, and the organization of production systems.

408 Seminar in Industrial Management. (3) I, II. Topics in human relations and production management. To be scheduled the semester just before graduation.

411 Advanced Graphic Arts. (3) I. Prerequisite: IET 316. Emphasis on halftone photography, duotones, posterization, color separation procedures, advanced offset lithographic printing, and an examination of current trends in the graphic arts.

445 Millwork and Casework Production. (3) A. Planning, estimating, and production of architectural millwork and casework. Materials, machines, and processes used in millwork production.

451 Industrial Electronics I. (3) I, II. Prerequisites: IET 357 and 358. Principles of timing, power control circuitry, transducers, and programmable controllers in commercial and industrial applications.

452 Industrial Electronics II. (3) II. Prerequisite: IET 451. Application of industrial control circuitry, optoelectronics, thermal devices, transducers, and the maintenance and repair of electronic systems.

454 Communications Electronics I. (3) Prerequisites: IET 357 and 385. Advanced radio communication receiving principles; quality audio reproducing devices; transmitter procedures, and antennas; communications systems, and electronic servicing techniques.

455 Communications Electronics II. (3) A. Prerequisite: IET 454. Principles of television, antenna theory, installation and malfunctioning, closed circuit television operation, and television servicing techniques.

456 Microprocessors. (3) I, II. Prerequisite: IET 353. The operation and application of the eight bit microprocessor in desktop and process control systems. Data, address, and control signals; memory expansion; digital and analog input and output ports; power control interface; and data communications are covered in the laboratory.

457 Communications Systems. (3) II. A study of communication systems, basic principles, and applications with special emphasis on digital communications.

458 Microcomputer Electronics. (3) A. Prerequisites: IET 354 and 456. System considerations involved in implementing memory and input/output maps, clock and reset circuits, bus controllers, input/output ports, video display controllers, and disk drive controllers. Several microcomputer systems are built in the laboratory.

461 Visual and Audio Communication. (3) A. Course designed to teach the fundamentals of visual and audio communications as these relate to the industry.

462 Manufacturing. (3) I. Prerequisites: IET 281 and 361. A course for the technology education teacher related to the occupations, materials, processes, and tools found in manufacturing industries. Course components include mass production, design, and manufacturing, and are organized around the content areas of woods, metals, plastics and industrial crafts.

463 Student Teaching: Vocational Industrial Education. (12) A. Observation, participation, and supervised teaching in vocational-industrial and technical education. Includes experiences in lesson planning, classroom management, record keeping, development and use of instructional materials, and directed teaching in approved centers. Students are graded on a satisfactory-unsatisfactory basis.

464 Transportation and Power. (3) II. Prerequisites: IET 361 and 372. A course for the technology education teacher related to the transportation and power industry to include related occupations. The content will include power mechanics, electrical theory and power, and fluid power, as these relate to the industry.

465 Construction. (3) I. Prerequisites: IET 242 and 361. A course for the technology education teacher related to the construction industry, its related occupations, and its function in today's economy. The content will include activities in basic carpentry, electrical wiring, plumbing, masonry, and structural building techniques.

469 Seminar in Teaching Industrial Education. (4) A. A seminar in lieu of student teaching at the appropriate level, designed to provide additional certification for students who have completed four years of successful teaching experience or for students who have completed the dual certification.

471 Analysis and Application of Machines. (3) A. Prerequisite: IET 372. A study of the principles of mechanical, electrical, and fluid power systems through the disassembly, inspection, adjustment, and construction mechanisms, fluid power systems, and electrical circuits emphasizing their application to modern machines.

487 Toolmaking. (3) A. Prerequisite: IET 382. Tool design, numerical control and computer numerical control machining, and heat treating with respect to production quality tooling deliveries.

488 Die-making. (3) A. Prerequisite: IET 382. Die design, die-making with numerical controlled and computer numerical controlled machine tools, and heat treating.

492 Advanced Technical Drawing. (3) II. Prerequisite: IET 292. Advanced technical drawing applications to include geometric dimensioning and tolerancing, computer aided drafting applications, and ink and film techniques in the preparation of professional detail and assembly drawings.

495 Computer Graphics. (3) II. Prerequisite: CSC 174. Graphics devices; graphics programming with PHIGS standard software; representation and transformation of points, lines, and plane curves; and 3-D modeling and viewing transformations.

496 Architectural Drawing II. (3) I, II. Prerequisite: IET 394. Consideration of both residential and commercial buildings with an emphasis on problem solving, building methods and materials, mechanical systems, and site planning. Preparation of a complete set of plans for a small commercial building.

501 Special Problems in Industrial Education and Technology. (2-6) I, II. An independent study course for exceptional upper division undergraduate students. A study proposal will be developed by the student and approved by the faculty supervisor and department chair prior to enrollment. May be retaken provided the topic of study is different.

503 New Developments in Industry. (1-6) A. Concurrent enrollment in approved industry-sponsored course. One semester hour credit for each week of enrollment (minimum of 20 class hours per week) on satisfactory-unsatisfactory basis. Student required to present proof of completion. May be retaken to a maximum of 12 hours.

504 Industrial Education Staff Exchange. (2-6) A. For in-service teachers enrolled in a staff exchange program designed to update technical skills in an appropriate industrial setting. Written reports are required. First week of exchange is equal to two semester hours of credit with one additional hour of credit for each additional week. Satisfactory-unsatisfactory grading.

520 Industrial Arts for the Elementary Teacher. (2) A. An introduction to basic industrial arts content and methods that can be used on the elementary school level. Emphasis on proper and efficient use of basic hand tools and proper construction activities.

533 Workshop in Industrial Education and Technology. (1-4) A. Presentation of industrial education and technology topics of a timely or specialized nature in a workshop format. May be retaken provided the topics are different.

561 Evaluation in Technical Education. (3) A. Strategies and methods for evaluation in technical education; identification and analy-
sis of context, input, process, and outcomes; preparations, use and analysis of measuring instruments.

582 Characteristics and Maintenance of Tools and Machines. (3) A. Prerequisites: IET 392. The characteristics, preventive maintenance, trouble shooting, and repair of woodworking and metalworking tools and machines.

**GRADUATE COURSES**

701 Special Problems in Industrial Education and Technology. (2-6) I, II.

703 New Developments in Industry. (1-6) A.

704 Industrial Education Staff Exchange. (2-6) A.

720 Industrial Arts for the Elementary Teacher. (3) A.

733 Workshop in Industrial Education and Technology. (1-4) A.

761 Evaluation in Technical Education. (3) A.

789 Characteristics and Maintenance of Tools and Machines. (3) A.

801 Seminar in Emerging Technology. (3) A.

802 Industrial Productivity Assessments and Analysis. (3) A.

803 Reliability Testing and Meteorology. (3) A.

804 Technology Systems Design and Management. (3) A.

805 Industrial Operations Research. (3) A.

811 Industrial Technology Project (3-6) A.

822 Industrial Internship. (3-6) A.

830 Creative Problem Solving (3) A.

861 Supervision in Technical Education. (3) A.

882 Philosophy of the Practical Arts and Vocational Education. (3) II.

863 Organization and Administration of Technical Education. (3) A.

A. Technical Education Facility Planning. (3) A.

867 Research in Industrial Technology. (3) A.

898 Thesis I. (3) A.

899 Thesis II. (3) A.

**OSH—Occupational Safety and Health Technology**


362 Occupational Health and Safety Laws. (3) II. The purposes, rules, and regulations of the William-Steiger and the Kentucky Occupational Health and Safety Acts. Also, other related occupational health and safety rules and regulations.

365 Safety Controls and Analysis. (3) A. Management practices and principles as they apply to accident prevention, control, analysis, and evaluation. Current laws, legislation, certification, and professional ethics.

Because of the specialized nature of many of the courses in the Department of Mass Communications, students may find prerequisites required by individual instructors. These may include the ability to type a minimum of 25 words per minute, the availability of a cassette or other portable tape recorder and/or the availability of a 35mm camera. When such requirements apply, students will be notified at the first class meeting.

Students are urged to acquire computer skills before they enter professions within the mass media. No more than 20 credit hours of a student's degree may be earned in internship.

Students majoring or minoring in the Department of Mass Communications are required to attain a minimum grade of "C" in all courses for the major and or minor. This requirement does not apply to supporting courses.

In special cases, courses and their prerequisites may be taken concurrently only with the permission of the student's advisor.

**Broadcasting**

**MAJOR (BACHELOR OF ARTS)**

Major Requirements .............................................. 30 hours

RTV 225; 325 or 375; RTV 350 or 360; RTV 390; 395; 480, and 12 hours RTV electives.

Supporting Course Requirements ............................... 9 hours

COM 200 and six hours COM electives.

General Education Requirements ............................... 46 hours

Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ......................................... 9 hours

ATO 100; eight hours of restricted electives.

Free Electives .................................................... 34 hours

Total Curriculum Requirements ................................. 128 hours

**Journalism**

**MAJOR (BACHELOR OF ARTS)**

Major Requirements .............................................. 30 hours

JOU 201, 302 (one hour), 305, 310, 325, 401, 405, 425, and eight hours JOU electives.

Minor Requirements .............................................. 18 hours

Journalism students must complete at least a minor in an area outside the Department of Mass Communications.

Supporting Course Requirement ................................. 6 hours

COM 200 and 470.

General Education Requirements ............................... 46 hours

Standard General Education program. Refer to Part Three of this Catalog for details on General Education and University requirements.

University Requirements ......................................... 9 hours

ATO 100; eight hours of restricted electives.

Free Electives .................................................... 19 hours

Total Curriculum Requirements ................................. 128 hours

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**DEPARTMENT OF MASS COMMUNICATIONS**

G. Kleine, Chair; Cain, Cannon, Everett, Feltner, Fraas, Harris, Hansen, Henson, Kolloff, Perry, Rogers, Taylor, Whitlock, Wolfe, Wright.

The primary function of the Department of Mass Communications is to offer instruction in the preparation of messages for the mass media and in the effective use of mass media techniques and equipments.
Public Relations
MAJOR (BACHELOR OF ARTS)

Major Requirements ..................................................34 hours
JOU 201, 305; 325 or IET 315; JOU 405 or RTV 406; PUB
375, 378 (one hour), 380, 475, 490; RTV 325 or 375; RTV
350 or 360; RTV 390.

Supporting Course Requirements ..............................15 hours
COM 200, 420, MKT 320, IET 311; COM 320 or IET 312.

General Education Requirements .............................46 hours
Standard General Education program. Refer to Part Three
of this Catalog for details on General Education and Uni-
versity requirements.

University Requirements ...........................................9 hours
ATO 100; eight hours of restricted electives.

Free Electives .........................................................24 hours
Total Curriculum Requirements .................................128 hours

MINOR IN BROADCASTING

Courses required for a minor in Broadcasting are RTV 225,
250; 325 or 375; six hours in production courses (350, 390,
395), and three hours of RTV electives. Courses counted
toward a major may not be counted toward the minor in
broadcasting. Substitute courses will be selected by the stu-
dent and the departmental advisor.

MINOR IN JOURNALISM

Courses required for a minor in Journalism are COM 200,
JOU 201, 305, 310, and six hours from JOU 307, 325, or 401.
Courses counted toward a major may not be counted toward
the minor in journalism.

MINOR IN JOURNALISM (TEACHING)

Courses required for a minor in Journalism (Teaching) are
COM 200, JOU 201, 305, 307, 310, 325, and three hours
JOU electives; and EDF 102, 202, 317. (The teaching minor
in journalism is open to those students with a first major in art,
business education, English, history, or physical education.)

MINOR IN MEDIA SALES

Courses required for a minor in media sales are COM 200,
325, 450, 470, 475, and MKT 320. Courses counted toward
a major may not be counted toward the minor in media sales.
Substitute courses will be selected by the student and the
departmental advisor.

MINOR IN PUBLIC RELATIONS

Courses required for a minor in public relations are COM
200; JOU 201 or RTV 375; PUB 375, 380, 475, and IET 311.
Courses counted toward a major may not be counted toward
the minor in public relations. Substitute courses will be selected
by the student and the departmental advisor.

MINOR IN VISUAL MEDIA

Courses required for a minor in visual media are COM 320,
COM 325, JOU 325, RTV 360, 395 and IET 311. Courses
counted toward a major may not be counted toward the minor
in visual media. Substitute courses will be selected by the
student and the departmental advisor.

Course Descriptions

COM—Communications

200 Introduction to Mass Communications. (3) I, II. Intro-
to the mass media in America, especially newspapers and
broadcasting. Analyzes the forces affecting media behavior
and studies the impact of mass media on the social, political
and economics sectors of society.

250 Film Genres: (3) I, II. Study of the types of motion
pictures. Analysis and critical evaluation of the typical elements
of a genre, both visual and dramatic.

290 Topics in Communications: (1-3) A. Prerequisite: will
vary with course offering. Special topics beyond the scope of
regularly offered courses. May be retaken to a maximum of nine
hours provided the subject matter differs each time. Specific
topics included in the schedule.

320 Desktop Publishing for Media. (3) I, II. Introduction to
desktop publishing in mass communications, using personal
computers and appropriate software programs. Practice in
the production of information graphics, newsletters, adver-
sesements and other mass media mes-
sages. Can count as JOU elective.

325 Media Production. (3) I, II. Prerequisite: MKT 320. Examina-
tion of production principles and methods with practice in copywriting,
visualizat. and layout. Consider the application of research and
communication theory to the creation of promotional materials
and advertising. Credit will not be awarded for both COM 325 and
MKT 324.

345 Literature and Film. (3) A. Cross listed as ENG 345. Pre-
quisites: ENG 101 and ENG 102 or 105 and six hours of literature.
Examination of the relationships between film and literature through a
comparative study of the stylistic and technical elements of the two
media. Includes readings of short stories, plays, novels, and analysis of
cinematic adaptations.

349 Cooperative Study: Media Sales. (1-8) A. Prerequisites:
junior standing, "B" average in all courses in the Department of Mass
Communications and department approval. Work under faculty and
field supervisor in placements related to academic studies. One to
eight hours credit per semester or summer. Total hours: eight, associ-
ate; sixteen baccalaureate. A minimum of 80 hours work required for
each academic credit. May not satisfy major or minor requirements
within the department.

350 Cinema History I. (3) A. Historical survey of cinema from its
origins to the early artistic successes in sound. Examines develop-
ments in directing, acting, editing, and other areas of cinema as an art

351 Cinema History II. (3) A. Historical survey from the develop-
mant of sound to the present. Includes theories, styles, and critical
positions related to the sound film and considers origins and applica-
Ed. 08.

400 Studies in Communications: (1-3) A. Formerly COM
500. Prerequisite: will vary with course offering. Study of specific areas
of communications through workshops, short courses, institutes, or
through the presentation of a specific course which examines timely,
topical, or specialized concerns in the field. Specific topic included in
schedule. May be retaken to a maximum of nine hours.

420 Mass Communications Research. (3) I, II. Introduction to the
research process, research approaches, basic statistics and applied
research in the field of mass communications.

430 Legislative Reporting. (3) A. Prerequisite: JOU 401 or RTV
401 or instructor approval. Reporting on the state legislature for print
and broadcast media. Counts as JOU-RTV elective.

445 Broadcast and Cable Promotion. (3) I, II. Study of broadcast
and cable promotion in the areas of writing, production, marketing,
and public relations.

450 Media Campaigns. (3) A. Planning, financing, and executing of
advertising and sales campaigns through individual and class proj-
ects. Includes use of research and coordination of campaign elements.

470 Print Sales. (3) A. Formerly JOU 470. Prerequisite: JOU 201.
Problems and practices of newspaper and magazine sales. Includes
field studies in print sales development (local, regional and national),
pricing, production, promotion, and campaigns.

475 Broadcast Sales. (3) A. Formerly RTV 475. Prerequisite: RTV
225. Problems and practices of television, cable and radio sales.
Includes case studies in broadcast sales development (local, regional
and national), pricing, promotion, and campaigns.
495-496-497-498-499 Special Problems in Communications. (1-3 each) A. Prerequisite: Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Six hours maximum credit through any combination of 495, 496, 497, 498, 499. Credit may not count toward a major or minor in the Department of Mass Communications.

495 Public Relations. (1-3) A. Topic selection and supervisor approval required before enrollment. May be retaken a maximum of three hours.

496 Film. (1-3) A. Topic selection and supervisor approval required before enrollment. May be retaken a maximum of three hours.

497 Journalism. (1-3) A. Topic selection and supervisor approval required before enrollment. May be retaken a maximum of three hours.

498 Radio. (1-3) A. Topic selection and supervisor approval required before enrollment. May be retaken to a maximum of three hours.

499 Television. (1-3) A. Topic selection and supervisor approval required before enrollment. May be retaken to a maximum of three hours.

550 Readings in Mass Communications. (3) A. Prerequisites: instructor approval and senior standing. Critical reading of selected books and magazines relating directly or indirectly to mass communications. Features reviews and seminar discussions of readings chosen to reflect individual student's interests.

GRADUATE COURSE

750 Readings in Mass Communications. (3) A.

JOU—Journalism

201 Newswriting. (3) A. Prerequisites: ENG 101 or 105 and ability to type 25 words per minute. Study of the elements of the news story. Includes the lead, style, structure, sources, readability, story types, and ethics. Practice in gathering, writing and evaluating news.

302 Newspaper Practicum. (1) I, II. Prerequisite: JOU 201. Supervised practical newspaper experience in a journalistic operation. May be retaken to a maximum of three hours.

304 Yearbook Practicum. (1) I, II. Prerequisite: JOU 201. Supervised practical yearbook experience in a journalistic operation. May be retaken to a maximum of three hours. May not be counted toward major.

305 Feature Writing. (3) A. Prerequisites: ENG 101 and ENG 102 or 105. Writing and submitting articles for publication in newspapers, magazines and syndicates. Involves studying requirements of periodicals to which sale is attempted and free-lancing methods in general.

307 Editorial Writing. (3) A. Prerequisite: JOU 201. Study of editorials, editorial columns, and editorial pages. Provides practice in writing editorials for publications.

310 News Editing. (3) I, II. Prerequisite: JOU 201. Purposes and methods of preparing copy for publication explored through analysis and practice of headline writing, as well as evaluation of news, display and makeup.

325 Photography. (3) I, II. Reporting the news with a camera. Stresses recognition, development, and creation of news photographs by providing experiences in shooting, developing, printing, and editing.

330 Sportswriting. (3) A. Prerequisite: JOU 201. Fundamentals of sports writing. Includes daily, feature, and interview stories as well as preparation of sports commentary and analysis.

349 Cooperative Study: Journalism. (1-8) A. Prerequisites: junior standing; "B" average in all courses in the Department of Mass Communications and department approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours of academic credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit. May not satisfy major or minor requirements within the department.

401 Public Affairs Reporting. (3) A. Prerequisite: JOU 201. Writing and reporting in specialized fields of national, state, and local government, labor, science, research, and business. Includes writing and reporting for wire services and daily newspapers.

405 Journalism Law. (3) A. Prerequisite: JOU 201. Examination of legal philosophies relating to journalism: press freedom, copyright, libel, slander, fair comment, and contempt of court. Emphasizes the privileges and restraints affecting journalism.

410 Advanced Photojournalism. (3) A. Prerequisite: JOU 325. Darkroom techniques in feature photography. Focuses on experiences in coordinating words and news photographs and developing photo pages and photojournalism exhibitions.

415 Advanced Editing. (3) A. Prerequisite: JOU 310. Intensive study of newspaper design. Emphasizes practice in electronic editing, headline writing, and layout.

425 Community Journalism. (3) A. Prerequisites: JOU 201 and 310. Writing and reporting for community newspapers. Includes investigating local government and local sources of information and studying the form and performance of the community newspaper.

450 Newspaper and Magazine Management. (3) A. Prerequisites: JOU 201 and 310. Problems of organization, finance, production, and distribution of daily and weekly newspapers and magazines. Examines factors involved in publishing, staffing, equipment evaluation and purchase, and policy formulation.

PUB—Public Relations

349 Cooperative Study: Public Relations. (1-8) A. Prerequisites: junior standing, "B" average in all courses in the Department of Mass Communications and department approval. Work under faculty and field supervisors in cooperative placements related to the student's academic studies. One to eight hours credit per semester or summer. Total credit hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit. May not satisfy major requirements within the department.

375 Public Relations Principles. (3) I, II. Prerequisite: JOU 201 or RTV 375. Survey of business, industrial, educational, social, and governmental principles and practices in disseminating internal and external information.

378 Public Relations Practicum. (1) I, II. Prerequisite: PUB 375. Supervised practical experience in a public relations operation. May be retaken to a maximum of three hours.

380 Public Relations Writing. (3) I, II. Prerequisites: JOU 201, PUB 375 and RTV 375. Practice in public relations planning and writing for general and specific publics of organizations, corporations, institutions, and government.

475 Advanced Public Relations. (3) A. Prerequisites: PUB 380 and IET 311. Planning and budgeting for production of print, audiovisual and broadcast materials used in public relations. Emphasizes public relations management objectives, campaign plans and proposals as well as the development of media projects—e.g., slide-tape presentations and newsletters.

490 Public Relations Campaigns. (3) A. Prerequisites: PUB 475 and COM 320 or IET 312. Application of research, planning, strategies, and evaluation to a public relations campaign. Includes studies of public relations cases and problems.

530 Sports Information Programs. (3) A. Study of the role and function of the sports information director. Includes public relations techniques applied to sports information: press releases, publications programs, office and staff organization, time utilization, news media and formats.

GRADUATE COURSE

730 Sports Information Programs. (3) A.

RTV—Broadcasting

225 Introduction to Radio and Television. (3) I, II. Survey of the broadcasting industry. Encompasses development, responsibilities, job opportunities, industry codes, as well as the technical aspects of radio and television and brief consideration of programming and production techniques.

250 Broadcast Performance. (3) I, II. Study of the announcer's role in broadcasting. Stresses practice in performing areas, including radio and television production, microphone and television camera techniques with an added emphasis on phonetics and pronunciation.
325 Broadcast News. (3) A. Prerequisites: ENG 101 and ENG 102 or 105 and the ability to type 25 words per minute. Fundamental news concepts peculiar to the requirements of the broadcast media are explored through writing and editing the newscast and examining public affairs programs, editorials, and documentaries.

330 Sportscasting. (3) A. Prerequisites: RTV 250 and RTV 325 or 375. Fundamental concepts basic to sports broadcasting are developed through writing and delivering the sportscast and examining the theory and practice of play-by-play announcing.

349 Cooperative Study: Broadcasting. (1-8) A. Prerequisite: Junior standing. “B” average in all courses in the Department of Mass Communications and department approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen baccalaureate. A minimum of 80 hours work required for each academic credit. May not satisfy major or minor requirements within the department.

350 Film Production. (3) I, II. Principles and procedures of motion picture production, including camera metering, laboratory processes, editing, and projection systems. Emphasizes scripting, filming, and editing the silent film.

353 Film Practicum. (1) I, II. Prerequisite: RTV 350. Supervised practical experience in film making, editing, and other aspects of film production. May be retaken to a maximum of three hours. May not be counted toward the major.

360 Electronic Field Production (3) A. Formerly RTV 420. Training in non-studio television production and editing. Provides field shooting and editing experience and an understanding of the uses of these skills in both broadcast television and cable.

375 Broadcast Writing. (3) I, II. Prerequisite: ENG 101 and ENG 102 or 105 and the ability to type 25 words per minute. Examination of the specialized forms of broadcast writing. Emphasizes both visual and verbal planning elements as well as practical experience in writing commercial, public service, narrative, and documentary copy.

390 Radio Production. (3) I, II. Prerequisite: RTV 225. Fundamentals of the technical and artistic elements of radio production. Includes control room techniques, sound recording, tape editing, and Federal Communications Commission regulations.

394 Radio Practicum. (1) I, II. Prerequisite: RTV 390. Supervised practical experience on the staff of a radio facility. May be retaken to a maximum of three hours. May not be counted toward the major.

395 Studio Television Production. (3) I, II. Study of the basic elements of television production. Includes an introduction to writing, directing, producing, and other technical aspects of studio television.

398 Television Practicum. (1) I, II. Prerequisite: RTV 395. Supervised practical experience on the staff of a television facility. May be retaken to a maximum of three hours. May not be counted toward the major.

401 Advanced Broadcast News. (3) A. Prerequisites: RTV 325 and 360. Advanced study in broadcast journalism, including the use of electronics news gathering (ENG) equipment. Extends the concepts developed in RTV 325.

406 Broadcast Law. (3) A. Examination of the legal philosophies involved in broadcasting—state and federal statutes, libel and slander, and self-regulation. Emphasizes the privileges and restraints affecting broadcasting.

410 Broadcast Programming. (3) A. Prerequisite: RTV 225. Interrelationships of programs and audiences. Analysis of audience and program research as well as individual program formats.

425 Broadcast Station Management. (3) A. Prerequisite: RTV 225. Study of the successful operation of radio and television stations. Covers staffing, budgeting, types and sources of programs, equipment evaluation and purchase, public relations, and industry-wide regulatory codes.

440 Survey of Cable TV Industry. (3) A. Prerequisites: COM 200 and RTV 395. A study of the cable television industry, including development, regulations, franchising, programming, local access, marketing, and cable’s role and function in society.

480 Broadcast in the Public Interest. (3) A. Prerequisite: RTV 225. Theoretical course dealing with social, political, legal, and economic influences on American radio and television broadcasting.

490 Advanced Radio Production. (3) A. Prerequisite: RTV 390. Program functions in radio communications, including the planning, production, and direction of more complex programs. Utilizes original ideas and methods in documentary and studio productions.

495. Advanced Television Production (3) I. II. Prerequisites: RTV 360 and 395. Advanced study of television production and directing, combining both studio and field work in the production of standard program formats.

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**AVIATION**

**W. Walker, Coordinator**

The Aviation Program curricula provides students the opportunity to acquire FAA certification as private, instrument, and commercial pilots. The basic courses are taken at the university with flight training provided in fixed-wing, single-engine aircraft under contractual agreement with the local airport’s fixed base operator. The certification courses plus additional nine academic hours makes it possible for a student to minor in Aviation. Other aviation courses and two baccalaureate degree aviation programs (Aviation Administration and Aircraft Professional Pilot) have been approved through appropriate university channels and have been submitted to the Council on Higher Education. The anticipated date for implementation of the baccalaureate programs is Fall 1989.

The present and future course offerings should enhance the student’s occupational opportunities in aviation and aviation-related industries as well as provide support for degrees in varying technical and business fields.

All aviation courses may be taken as free or restricted electives.

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**MINOR IN AVIATION**

Minor Requirements ........................................................... 19 hours


**FEES**

Fees are attached to most certification AVN courses (192, 192A, 220, 220A and 300A). The ground course fees include the cost of all books and supplies as well as a fee for taking the FAA written examination. The flight course fee for private pilot includes the total cost of FAA required flight—dual and solo (approximately 44 hours). Using a medical examination by an Aviation Medical Examiner, and the fee charged for the FAA final flight examination. Other flight course fees represent flight time necessary to complete these courses for academic credit, but may or may not provide students with the appropriate FAA certification.

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**Course Descriptions**

**AVN—Aviation**

150 Elements of Aviation. (3) A. An introductory course specifically designed for students to obtain a broad understanding of the aviation world including varying aspects of space exploration. Includes a study of aviation history and the general aviation environment.

192 Private Pilot: Ground. (3) A. An introduction to flying designed to provide all aeronautical information necessary to successfully complete the FAA written examination for private pilots. An integrated lecture and laboratory effort in which simulators and actual aircraft are used.
DEPARTMENT OF
MILITARY SCIENCE

D. Reimold, Chair; Begley, Cowell, Hillard, Johnson, LeMieux, Lewis, Meadows, Olsen, Shake, Story, Vaughn.

The mission of Eastern Kentucky University's Army ROTC Department is to commission the future officer leadership of the United States Army. This is accomplished by providing a means for college students to pursue an Army commission as a second lieutenant while achieving their academic goals in their chosen field of study. Students may enroll in the first two years (MIL 100-200 level courses) of Army ROTC without obligation to the military. These students gain an appreciation of the roles and missions of our national defense structure as well as military history. Students whose future employment goals may require leadership or managerial skills, those with an interest in our national defense structure, or those who wish to explore the benefits of a career in the U.S. Army Reserves, National Guard, or regular service are encouraged to take the introductory courses. Students who desire to receive a commission must contract to complete the advanced courses (MIL 300-400 level courses) and ROTC Advanced Camp before commissioning.

A two-hour leadership lab is held each week and is required for all registered MIL 202, 203, 301, 302, 401, and 402 students. A 45 minute physical training lab is held three times weekly for all MIL 300 and 400 level courses. Uniforms are issued for leadership lab participants. A $100.00 monthly allowance is paid to advanced course students participating in MIL 300 and 400 level courses.

A complete military science program is four years in length and is designed to supplement and complement any regular baccalaureate degree program. Successful completion of the advanced military science program qualifies a student for commission as a second lieutenant in one of the 16 accession branches in the U.S. Army. Entrance into other non-accession branches may occur after additional schooling.

Students desiring to enter the U.S. Army on active duty after completing ROTC must request it through the Professor of Military Science. Competition for active duty is keen. Students who desire to be commissioned in the Army Reserves or National Guard may sign a guaranteed reserve forces duty contract.

ADVANCED PLACEMENT CREDIT

U.S. military veterans, Reserve, or National Guard personnel who have completed 90 days active duty for training, students with three or more years of junior ROTC, and academic sophomores who complete MIL 210 (six-week Army ROTC Basic at Fort Knox, KY) may qualify for entry into the program at the advanced level. Interested students must be pursuing a four-year degree, have a minimum of four full semesters of undergraduate degree work remaining at time of entry, and meet all other requisites for commissioned service. A special program for graduate students is also available.

MINOR IN MILITARY SCIENCE

A student may minor in military science by completing 17 hours of advanced military science (MIL 301, 302, 401, 402, and 410) and six hours of electives approved by the Professor of Military Science and Dean of the College of Applied Arts and Technology.

SCHOLARSHIPS

Army ROTC scholarships are available to all students enrolled at Eastern Kentucky University. These scholarships provide full payment of tuition, laboratory fees, an allowance for books and a nontaxable subsistence allowance of $100.00 per month for ten months each year the scholarship is in force. Scholarships are awarded on a competitive basis for two and three years. Initial selection is made on campus by a board of Army officers. Final selection is made at Fort Knox, Kentucky.

High school students are eligible for four-year ROTC scholarships. Applicants interested in obtaining a four-year scholarship will be evaluated on the basis of the whole person concept. Students may qualify for a scholarship if:

a. If they are a citizen of the United States. Non-citizens are ineligible for scholarship benefits.

b. If they will be at least 17 years of age by October 1 of the year they enter college.

c. If they have no moral obligation or personal conviction that will prevent them from:
   (1) Supporting and defending the Constitution of the United States against all enemies—foreign and domestic.
   (2) Conscientiously bearing arms;
   d. If they satisfactorily explain any record of arrest or civil conviction.
   e. If they receive at least a minimum SAT score of 850 and an ACT composite score of 17.

Specific questions should be forwarded to Professor of Military Science, Eastern Kentucky University, Richmond, Kentucky 40475.
Course Descriptions

MIL—Military Science Basic Course

101 Group Dynamics of Leadership. (2) I, II, A. Development of leadership and problem solving abilities; examination of leadership style and counseling techniques; comparison of civilian and military leadership; and analysis of the Constitutional and historical basis for the U.S. Army.

102 Dynamics of Leadership and Operational Teamwork. (2) I, II, A. Study of theories, principles, techniques and fundamentals of map reading and their application. Classes are systematically arranged to promote student participation in group leadership development and problem solving techniques.

202 American Military History. (3) I, II, A. Examines U.S. Military history from pre-revolutionary times to post-Vietnam; defines the principles of war; discusses political-military interactions; develops leadership through group contribution in case studies which apply the principles of war to historical periods.

203 Intermediate Leadership and Management. (2) I, II, A. Provides students continued development of basic military skills through practical leadership experiences in performing emergency medical treatment, drill and ceremonies, physical training and rifle marksmanship. Principles of leadership and management are presented in classroom discussion.

210 Military Science Practicum (Basic Camp-Camp Challenge) (2, 4, 6) A. Introduces Military Science in a comprehensive summer field course designed to be taken in lieu of MIL 101, 102, or 203. This course emphasizes practical field application and leadership development. The camp is held at Fort Knox, Kentucky, and the student is paid for attending the camp.

MIL—Military Science Advanced Course

Prerequisites: Introduction to Military Science, prior active service, Active Duty for training, or Junior ROTC, acceptance by the Professor of Military Science, meet Army qualification standards.

301 Advanced Leadership and Management I. (3) I. Introduction to advanced leadership and management, emphasizing the branches of the Army, communication systems, and equipment. Defines principles of leadership and develops leadership through practical application as a leader in field training and physical conditioning.

302 Advanced Leadership and Management II. (3) II. Develops leadership and management ability and military skills in military communications, weapons, and tactics. Develops leadership and command presence through student presentations and practical application as a leader in field training and physical conditioning.

401 Fundamentals and Dynamics of the Military Team I. (3) I, A. Develops staff officer skills in leadership and management through decision making and problem solving techniques through military planning, administrative and logistical management and detailed training management.

402 Fundamentals and Dynamics of the Military Team II. (2) II, A. Discusses the impact of world affairs on U.S. Armed Forces; defines overall professional and ethical responsibilities of military officers; development of military management techniques; establishes a basic understanding of military justice and the Geneva convention.

410 Military Science Practicum (Advanced). (6) A. Develops leadership through intensive six-week summer field courses at Ft. Lewis, WA., of rotating leader command experience in problem analysis, decision making, and troop leading while providing in-depth coverage of technical and tactical subjects.

AIR FORCE RESERVE OFFICERS' TRAINING CORPS
(AIR FORCE ROTC)

The purpose of the Air Force Reserve Officers' Training Corps (Air Force ROTC) is to provide a means for college students to pursue an Air Force commission as a second lieutenant while achieving their academic goals in their chosen field of study. Air Force ROTC provides the Air Force with civilian educated officers and provides students with well-paying, challenging positions after graduating from college. Air Force ROTC improves and strengthens the qualities of decision-making, responsibility, and maturity in its students and helps them to develop leadership ability.

To receive a commission, Air Force ROTC cadets must complete all requirements for a degree according to university rules and regulations as well as completing specified Air Force ROTC courses. Air Force ROTC courses are usually taken for academic credit as part of a student's electives.

ADMISSION TO THE PROGRAM

The two major phases of the curriculum are the General Military Course (GMC) and the Professional Officer Course (POC). The GMC generally is taken during the first two years of college. It covers two main themes - the contemporary Air Force and its organization and the development and history of air power. The GMC is open to all students and those enrolled in this program incur no military obligation. A Leadership Seminar is also offered during each semester. During these sessions cadets learn Air Force customs and courtesies, proper wear of the uniform, and the fundamentals of Air Force drill and ceremonies. Both the academic course and the Leadership Seminar are taught on campus at Eastern Kentucky University. Students initially registering for the GMC should sign up for these classes in the same manner they register for other college courses. Normally, students will enroll in both the academic class and leadership seminar.

The last two years called the Professional Officers Course (POC) is normally taken during the junior and senior years of college. The POC curriculum covers Air Force management, leadership, American defense policy, and military law. A basic requirement for entrance into the POC is for the applicant to have two academic years remaining at either the undergraduate or graduate level or a combination of both. Prior enrollment in the GMC is not required for a student to enroll in the POC. Entrance into the POC is competitive. Any student wishing to apply should contact the Professor of Aerospace Studies, University of Kentucky, Lexington, KY. 40506-0028 as early as possible but no later than December of their sophomore year in college or the year they desire to compete. Applicants for the POC attend a four or six week field training session during the summer preceding entry into the POC. Cadets receive travel pay to and from field training and are paid for the time spent there.

SCHOLARSHIPS

Scholarships are available to qualified students who enroll in the Air Force ROTC program. These scholarships provide full payment of tuition, laboratory fees, an allowance for books and a monthly nontaxable subsistence allowance.

EASTERN KENTUCKY UNIVERSITY
Scholarships are awarded to cadets on a competitive basis for 2, 2½, 3, and 3½ years. Initial selection is made on campus by a board of Air Force ROTC officers. Final selection is made by a central selection board at Air Force ROTC headquarters.

High school students are eligible for four-year Air Force ROTC scholarships. Applicant interested in obtaining a four-year scholarship will be evaluated on the basis of:

1. Results of the American College Test (ACT) or Scholastic Aptitude Test (SAT)
2. High school academic record
3. Extra curricular and athletic activities
4. Personal references
5. Ability to qualify on an Air Force medical examination

High School students who feel they can meet the basic eligibility requirements for a four-year scholarship must submit an application to Air Force ROTC before December 1 of the year prior to enrollment in the program. All selections for four-year scholarships are made at Air Force ROTC headquarters. High school students should contact their school guidance counselor or principal during the latter part of their junior year or early in their senior year for application cards. They may also contact the Professor of Aerospace Studies, University of Kentucky, Lexington, KY. 40506-0028 or write directly to Air Force ROTC/RR, Maxwell AFB, AL., 36112-6663. Questions about these or any other Air Force ROTC programs may be directed to the Department of Aerospace Studies, AFROTC Det. 290, University of Kentucky, Lexington, KY. 40506-0028 or call collect (606) 257-7115.

MINOR IN AEROSPACE STUDIES

Minor Requirements ........................................... 18 hours
AFS 331, 332, 333, 334, 341, 342, 343, 344, and three hours of an elective approved by the Dean of College of Applied Arts and Technology and the Professor of Aerospace Studies.

Course Descriptions

AFS—Aerospace Studies (Air Force ROTC)

111 Aerospace Studies I. (1) I. This course deals with the Air Force in the contemporary world through a study of the total force structure, strategic offensive and defensive forces, general purpose forces and aerospace support forces.

112 Aerospace Studies I. (1) II. A continuation of AFS 111.

113 Leadership Seminar. (1) I. Prerequisite: AFS 111 or 211. Introduces Air Force customs and courtesies, drill and ceremonies and wear of the uniform. The course also includes a discussion of career opportunities in the Air Force.

114 Leadership Seminar. (1) II. Prerequisite: AFS 112 or 212. A continuation of AFS 113.

211 Aerospace Studies II. (1) I. This course is a study of air power from balloons and dirigibles through the jet age; a historical review of air power employment in military and nonmilitary operations in support of national objectives; and a look at the evolution of air power concepts and doctrine.

212 Aerospace Studies II. (1) II. A continuation of AFS 211.

213 Leadership Seminar. (1) I. Prerequisites: AFS 111 or 211. AFS 113 and 114. Builds on the foundation established during AFS 113 and 114. Air Force customs, courtesies, and opportunities are again emphasized. The cadet is prepared for individual, flight, and squadron movements in drill and ceremonies.

214 Leadership Seminar. (1) II. Prerequisites: AFS 112 or 212. AFS 113 and 114. A continuation of AFS 213. Emphasis on preparing cadets for attendance at Field Training during succeeding summer.

331 Aerospace Studies III. (3) I. Prerequisite: acceptance into the Professional Officer Course. A study of management functions with emphasis on the individual as a manager in an Air Force environment. Individual motivational and behavioral process, communication, and group dynamics are included for the development of professional skills.

332 Aerospace Studies III. (3) II. Prerequisite: AFS 331. A study of leadership with specific emphasis on the Air Force leader. Includes theoretical, professional and communicative aspects. In addition, military justice and administrative law are discussed within the context of the military organization.

333 Leadership Seminar. (1) I. Prerequisite: AFS 331. Involves the cadets in advanced leadership experiences to prepare for active duty. Cadet responsibilities include planning, organizing, directing, coordinating, and controlling the activities of the cadet corps and preparing briefings and written communications.

334 Leadership Seminar. (1) II. Prerequisite: AFS 332. Cadets continue preparations for fulfilling leadership positions as an active duty Air Force officer.

341 Aerospace Studies IV. (3) I. Prerequisites: AFS 331 and 332. A study of the military profession, civil-military interactions, communicative skills, framework of defense policy, and formulation of defense strategy.

342 Aerospace Studies IV. (3) II. Prerequisite: AFS 341. Continues the study of strategy and the management of the conflict, formulation and implementation of U.S. defense policy, defense organization, and case studies in defense policy making.

343 Leadership Seminar (1) I. Prerequisite: AFS 341. Involves the cadets in higher level advanced leadership experiences similar to those in AFS 333. In addition, the cadets receive a final block of instruction for Initial Commissioned Service.

344 Leadership Seminar (1) II. Prerequisite: AFS 342. Cadets prepare for Initial Commissioned Service by fulfilling advanced leadership positions. Continued emphasis on group dynamics and the role of future leaders in the Air Force.

395 Independent Work. (2-6) A. Prerequisite approval of Professor of Aerospace Studies. A study of an advanced problem on a subject area in aeronautical science under the guidance of a departmental staff member. One discussion per week, term paper required.
The purpose of the College of Arts and Humanities is to provide for all students the artistic and humanistic elements of a liberal education. By cultivating the intellect, a liberal education allows individuals to be at home in any society, to be more aware of their own internal and external resources, to choose more capably their values and goals.

By concentrating on interpretations of humanity through the intellectual and expressive arts, the College can provide students both with the understanding to form their own interpretations of what it means to be human and with the skills to express that understanding. The College offers these educational opportunities not only to its own majors and minors but also to students in all other colleges in the University, especially through the humanities component of General Education.

The College of Arts and Humanities offers instruction for professional and pre-professional fields and cooperates with other colleges in providing upper level courses and programs; it further cooperates with the Graduate School in offering graduate courses and programs.

DEGREES OFFERED
The following degrees are granted: Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Music Education, and Bachelor of Individualized Studies.

The Bachelor of Arts is conferred upon students who major in art, English, French, German, music, philosophy, religion, Spanish, speech and theatre arts, speech communication, and theatre arts. The Bachelor of Fine Arts is conferred upon students in art and in performing arts.

GRADUATE PROGRAMS
In cooperation with the Graduate School, the College offers the Master of Arts, Master of Music, and (in cooperation with the College of Education) the Master of Music Education. The Master of Arts is offered in English. The College of Education offers the Master of Arts in Education with an emphasis in art, English, French, and Spanish; the departments in the College of Arts and Humanities cooperate in presenting these programs, which are described in the Graduate Catalog.

DEGREE REQUIREMENTS
General University requirements described on page 31 in Part Three of this Catalog, as well as specific course requirements set forth in the description of curricula, must be met by students completing baccalaureate programs administered by the College of Arts and Humanities. See programs under each department for major and minor requirements. Common to all programs is the Academic Orientation course (AHO 100) of the College of Arts and Humanities.

In addition to the general University requirements, specific requirements for the College of Arts and Humanities are as follows.

1. A grade point average (GPA) of 2.0 in the major is required (certain programs require a higher GPA).
2. All students must have an area of concentration or a major program. While either a minor or a second major is recommended for all programs, a teaching minor is required for the following teaching majors: German and speech and theatre arts. Some of the hours for a minor may also count as electives and general education, if appropriate.
3. Students who transfer from other institutions must earn no fewer than six hours in the area or major at Eastern, the exact minimum to be determined by consultation of the advisor, departmental chair, and dean. At least three hours of the minor must be earned at Eastern.

PLANNED CURRICULUM
Upon completion of 60 hours, a planned curriculum (which specifies the remaining graduation requirements) must be initiated by consulting the faculty advisor in the major department. Teaching majors must have been admitted to the Teacher Education Program prior to the preparation of a planned curriculum. Any subsequent change in the planned curriculum is proposed on forms available in the office of the advisor.

APPLICATION FOR GRADUATION
Students must file an application for graduation in the dean's office no later than April 30 for December graduation and no later than October 31 for either May or August graduation. It will be the student's own responsibility to plan and register for the proper courses to meet all graduation requirements.

GRADUATE COURSE CREDIT
All 700 level courses have undergraduate counterparts bearing the same last two digits. The 700 level courses are offered only for graduate level credit and require additional appropriate experiences for all students enrolled. Students who have previously taken the undergraduate counterpart of these courses at the 500 level will not be permitted to enroll for graduate level credit in the 700 level counterpart.
Bachelor of Individualized Studies Degree

The Bachelor of Individualized Studies (B.I.S.) degree is administered by the B.I.S. Review Board consisting of faculty and administrators from three colleges: Arts and Humanities, Natural and Mathematical Sciences, and Social and Behavioral Sciences. It is intended for students whose goals extend beyond traditional majors and whose integrative abilities permit them to plan and follow a personalized, unique program (e.g., Medical Illustration, combining biology with art, or Theatre Management, combining theatre with business). A student submitting a proposal to the B.I.S. Review Board should have in the semester of entry a minimum of 30 hours and a maximum of 75 hours, a cumulative GPA of 2.5, and a "C" average in ENG 101 and 102, or 105. For further information, see the Dean of the College of Arts and Humanities.

Major Requirements .......................................................... 45-48 hours
A minimum of 42 hours, of which at least 27 hours must be at the 300 level or above, selected with the aim of contributing to the interdisciplinary theme, topic, and/or goal; and CAH 499 to be completed in the last semester.

General Education Requirements ........................................... 46 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ...................................................... 9 hours
AHO 100; eight hours of restricted electives.

Free Electives ................................................................. 25-28 hours

Total Curriculum Requirements ........................................... 128 hours

ARTS AND HUMANITIES COURSES

AHO—Orientation

100 Arts and Humanities Orientation. (1) I. An introduction to the programs of the University and the College. Open to all students during their first two semesters of enrollment at EKU; beyond that open to students with fewer than 30 semester hours earned.

CAH—Interdisciplinary

315 Topics in Humanities General Education: __________. (3) A. An experimental general education course designed to fulfill the requirements for category 08 of Area II. Content will vary with each offering. May not be retaken.

499 Independent Work. (3-6) I, II. Prerequisite: cumulative GPA of 2.5 in Bachelor of Individualized Studies degree. Independent research and/or field work required for the program of B.I.S.

500 Interdisciplinary or Transdisciplinary Seminar. (3) A. In-depth consideration of problems which involve several disciplines. A different problem may be considered each time the course is offered. May be retaken to a maximum of six hours.

GRADUATE COURSE

700 Interdisciplinary or Transdisciplinary Seminar. (3) A.
Art (Teaching)

AREA OF CONCENTRATION
(BACHELOR OF ARTS)

Area Requirements ........................................ 48 hours
ART 100, 101, 102, 103, 202, 203, 204, 207, 239, 307, 330,
430, 562, three hours art history elective, and six hours art
electives.

Supporting Course Requirements ......................... 6 hours
ART 390 and 391.

Teacher Education Requirements ....................... 28 hours
EDF 102, 202, 317; EPY 318; ESE 440, 498, and 499.

General Education Requirements ....................... 40 hours
Standard General Education program, excluding course cate-
"gories 07 and 08. Refer to Part Three of this Catalog for
details on the General Education and University requirements.

University Requirements ................................. 9 hours
AHO 100; eight hours of restricted electives.

Total Curriculum Requirements ........................ 131 hours

MINOR IN ART
A student may minor in art (non-teaching) by completing a
minimum of 18 hours as follows: ART 102, 103; 390 or 391;
and nine hours of art electives.

MINOR IN ART (TEACHING)
A student may minor in art (teaching) by completing a
minimum of 21 hours as follows: ART 102, 103; 390 or 391;
430, and nine hours of art electives.

BACHELOR OF FINE ARTS DEGREE
The Bachelor of Fine Arts (B.F.A.) degree is a highly special-
ized degree program designed to prepare the student for
professional practice in the visual arts. The program offers six
primary options: Ceramics, Design, Jewelry and Metalsmithing,
Painting, Printmaking, and Sculpture. The program contains 73
semester hours of art, 18 of which are in a primary option and
9 of which are in a secondary option with the remaining 46 in
an art core. Each student will complete a primary option and a
secondary option except those in design who complete a 27
semester hour primary option with no secondary option.

A student will be eligible to apply for entrance in to the
program in the last semester of the sophomore year or in the
first semester of the junior year provided that the following
courses have been completed: ART 100, 101, 102, 103, 202,
203, 207, 239, 330, and one elective in the proposed B.F.A.
area and have maintained a 3.0 grade point average or higher
in all art courses and have a minimum of at least 24 hours to
be taken in the B.F.A. program as a candidate for the B.F.A.
degree. In addition, the student is required to pass, by the
required dates, a portfolio entrance review, a mid program
portfolio review, a final exhibition review, and submit an accept-
able thesis.

A student wishing to pursue the B.F.A. degree should consult
with the departmental advisor to be assigned a pre-B.F.A.
designation and to obtain a copy of the Entrance Criteria and
Degree Requirements for the B.F.A. prior to application for
admission to the program.

Art

PRIMARPy AND SECONDARY OPTIONS
(BACHELOR OF FINE ARTS)

Major Requirements ..................................... 73 hours

Art Core ................................................... 46 hours
ART 100, 101, 102, 103, 202, 203, 204, 207, 239,
307, 330, 390, 391, 499, 552, and an art history
elective.

Primary Option (18 or 27 hours)
Ceramics ................................................... 18 hours
ART 348, 359, and 469 for nine hours.

Design ...................................................... 27 hours
With specialties in Advertising, Corporate De-
sign, Illustration, Packaging. Common course
requirements for all specialties: ART 205, 206,
350, 351, 449, 450, and 455 with additional
requirements of IET 311 and MKT 320 for
Advertising; MKT 300 and MKT 450 for Corpo-
rate Design; ART 304 and 403 for Illustration;
MKT 300 and MKT 320 for Packaging.

Jewelry and Metalsmithing .............................. 18 hours
ART 339, 340, 342, and 439 for nine hours.

Painting ...................................................... 18 hours
ART 303, 304, 331, 403 for six hours, and 503.

Printmaking ............................................... 18 hours
ART 331; six hours from ART 332, 333, 334, or
335; and ART 437 for nine hours.

Sculpture ................................................... 18 hours
ART 347 and 426 for nine hours each.

Secondary Option (9 or 0 hours)
Ceramics ................................................... 9 hours
ART 348 and 359 for six hours.

Drawing ...................................................... 9 hours
ART 300, 301, and 401.

Jewelry and Metalsmithing .............................. 9 hours
ART 339, 340, and 342.

Painting ...................................................... 9 hours
ART 303, 304, and 403.

Printmaking ............................................... 9 hours
ART 331, and six hours from ART 332, 333,
334 or 335.

Sculpture ................................................... 9 hours
ART 347 for nine hours.

General Education Requirements ....................... 40 hours
Standard General Education program, excluding course cate-
"gories 07 and 08. Refer to Part Three of this Catalog for
details on the General Education and University requirements.

University Requirements ................................. 9 hours
AHO 100, eight hours of restricted electives.

Free Electives ............................................ 6 hours

Total Curriculum Requirements ........................ 128 hours

GRADUATE PROGRAMS
The Master of Arts in Education degree with an option in Art
is offered in the College of Education with the cooperation of
the Department of Art. The regulations for the degree may be
found in the College of Education section of the Graduate
Catalog.
Course Descriptions

ART—Art

100 Drawing I. (3) I. Introduction to the basic principles of drawing, with emphasis on design with value, line, and texture.

101 Drawing II. (3) II. Prerequisite: ART 100. Continuation of Drawing I; observation of natural forms.

102 Design, Two-Dimensional. (3) I. Introduction to the abstract characteristics of design with color, line, and texture.

103 Design, Three-Dimensional. (3) II. Introduction to the methods, materials, and concepts related to the control of space.

117 Drawing and Design. (3) I, II. Introduction to basic knowledge and skills in art through pencil, tempera, water color, and chalk; emphasis on development of understanding and appreciation of design. 200 Art Appreciation: Orientation. (3) I, II. Introduction to the visual arts and their purposes, emphasis on ways and means available to the artist. Student has opportunity for individual expression through a visual arts medium. Not open to art majors or minors. Gen. Ed. 07.

202 Ceramics I. (3) A. Introductory experiences with ceramic forming methods, decorating techniques and materials. Emphasis placed upon the application of clay to design problems involving aesthetic value and procedure in the making of fine objects.

203 Painting I. (3) I. Prerequisites: ART 101 and 102. Design with color, line, and texture with emphasis on color.

204 Painting II. (3) II. Prerequisite: ART 203. Problems in color, line and texture as they relate to painting media.

205 Art Photography. (3) A. Prerequisite: ART 102, 103, or instructor approval. Introductory course in photography as a visual arts medium.

206 Design I. (3) II. Prerequisites: ART 101 and 102. Introduction to the world of professional design, its physical and psychological makeup. Discussion of varied applications of design and problem solving in each of the areas of specialization.

207 Sculpture Survey I. (3) I. Prerequisite: ART 103. Provides an introduction to basic sculpture problems, approaches, and techniques. Problems set in addition to subtractive, additive and subtractive processes.

239 Jewelry and Metalsmithing I. (3) I, II. Prerequisite: ART 103. Introductory course covering the basic metal forming and joining techniques of forging, raising, piercing, soldering, nonferrous metals used.

300 Drawing Media. (3) A. Prerequisite: ART 101. Selected drawing media are investigated.

301 Figure Drawing. (3) A. Prerequisite: ART 101. A course designed to develop an increased understanding of the logic of natural forms with the human figure as the principal source of information.

303 Figure Painting. (3) A. Prerequisite: ART 204. Painting problems involving the human figure.

304 Painting Media. (3) A. Prerequisite: ART 204. An investigation of oil, polymer, encaustic, and lacquer media to determine their applicability to the needs of the artist.

307 Sculpture Survey II. (3) A. Prerequisite: ART 207. Continuation of the introduction to basic sculptural problems, approaches, and techniques begun in ART 207. Problems are set in constructive foundry processes.

330 Printmaking I. (3) A. Prerequisites: ART 101 and 102. Basic experiences in relief, intaglio, planographic, and stencil processes.

331 Printmaking II. (3) A. Prerequisite: ART 330. Continuation of ART 330 with emphasis placed on concepts and techniques of lithography and etching.

332 Intaglio Printmaking. (3) A. Prerequisite: ART 331. In-depth investigation of intaglio techniques. Includes softground, sugarlift, aquatint, engraving, and etching. Color is introduced.

333 Lithography. (3) A. Prerequisite: ART 331. An in-depth investigation of the planographic processes. Drawing, design, and technique are emphasized. Color techniques included.

334 Screen Printing. (3) A. Prerequisite: ART 331. An in-depth investigation of silkscreen techniques. Color introduced.

335 Relief Printmaking. (3) A. Prerequisite: ART 331. An in-depth investigation of relief printing methods stressing woodcut, wood engraving, and collagraphs. Color introduced.

339 Jewelry and Metalsmithing II. (3) A. Prerequisite: ART 239. Die forming, embossing, piercing, soldering, chasing, and repoussé. Joining methods other than soldering introduced.

340 Jewelry Fabrication. (3) A. Prerequisite: ART 339. In-depth study of fabrication techniques such as: piercing, wirework, chasing and repousse, nitel reticulation, and plating. Metal may be combined with wood, stone, ivory, or leather.

342 Jewelry Casting. (3) A. Prerequisite: ART 339. Involves lost wax casting with the centrifugal, vacuum, and gravity pour processes.

347 Problems in Sculptural Form. (3, 6) A. Prerequisite: ART 307. Involves in-depth exploration of sculptural problems and processes. May be taken to a maximum of nine hours.

348 Ceramics II. (3) A. Prerequisite: ART 202. Basic formulation of clay and glazes.

349 Cooperative Study: Art. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

350 Design II. (3) A. Prerequisite: ART 206. Problem solving in the areas of packaging design, corporate design, advertising design, and illustration.

351 Design III. (3) A. Prerequisite: ART 350. Continuation of ART 350 with emphasis in one of the design areas. Discussions of design environments and philosophies.

359 Ceramics III. (3) A. Prerequisite: ART 348. Fundamental structural problems of ceramic sculpture. May be taken to a maximum of six hours.

390 Survey of Art History I. (3) I, II. Study of art from prehistoric times through the Gothic period. Gen. Ed. 07.

391 Survey of Art History II. (3) I, II. Study of art from the Renaissance to the present. Gen. Ed. 07.

393 Greek and Roman Art. (3) A. Prerequisite: ART 390 or instructor approval. Study of the history of the classical Greek and Roman architecture, sculpture, and painting from the beginnings of Greek art to the time of Constantine.

394 Twentieth Century Painting. (3) A. Prerequisite: ART 391 or instructor approval. Study of the history of European and American painting from 1900 to the present.

395 Nineteenth Century Painting. (3) A. Prerequisite: ART 391 or instructor approval. Study of major painting styles of the century, including neoclassicism, romanticism, realism, impressionism, and post impressionism.

401 Advanced Drawing. (3) A. Prerequisites: ART 300 and 301. Advanced problems in drawing with emphasis on the drawing as a complete work rather than a preliminary study.

403 Advanced Painting. (3) A. Prerequisites: ART 303 and 304. Advanced problems in pictorial organization. May be taken to a maximum of six hours.

426 Advanced Sculpture. (3-6) A. Prerequisite: six hours in ART 347. Sculptural interests defined and directed. Provides for preparation of a portfolio. May be taken to a maximum of nine hours.

430 Materials Inquiry in Art Education. (3) I. Prerequisite: open to seniors and graduate students who plan to teach. Diversified inquiry into art materials and processes in the elementary and secondary schools.

437 Advanced Printmaking. (3, 6, or 9) A. Prerequisite: six hours of 300 level printmaking. The student is free to pursue a program of individual interest. Emphasis placed on creativity and professionalism. May be retaken to a maximum of nine hours.

439 Research in Metalwork. (3, 6, or 9) A. Prerequisites: ART 340 and 342. The student pursues an individualized direction and designs unique problems with the approval of instructor. May be retaken to a maximum of nine hours.

449 Design IV. (3) A. Prerequisite: ART 351. Concentrated exploration in design with emphasis on area of specialization chosen by student. Includes proposal writing and/or presentation techniques.

450 Senior Portfolio. (3) A. Prerequisite: ART 449. Design, fabrication, and sample preparation of portfolio. Discussion of procedures, methods, philosophies, working environments of specific design situations, and identification of contacts for job placement.

455 Advanced Photography. (3) A. Prerequisite: ART 205. In-depth study of darkroom techniques and creative uses of camera.

459 Ceramics IV. (3) A. Prerequisite: ART 359. Kiln construction and firing techniques.

469 Ceramics V. (3, 9) A. Prerequisite: ART 459. Independent work, final project.

490 Medieval Art. (3) A. Prerequisite: ART 391 or instructor approval. Development of art in Eastern and Western Europe from 313-1400 A.D.

491 Seventeenth and Eighteenth Century Art. (3) A. Prerequisite: ART 391 or instructor approval. Architecture, sculpture, and painting in Europe and the Americas from 1600-1800.
499 Senior Exhibition. (1) A. Prerequisite: graduating senior in the Bachelor of Fine Arts Degree program. Organization and presentation of an exhibition of the student's work.
503 Independent Work in Painting. (3) A. Prerequisite: ART 403. Emphasis is placed upon individual expression. May be retaken to a maximum of nine hours.
540 Workshop in Art. (1-3) A. Intensive study in a specific phase of the visual arts. Current processes, materials, and theoretical foundations will be considered. May be retaken to a maximum of nine hours.
562 Seminar in Art Criticism. (3) A. Prerequisites: ART 390 and 391. Study of various topics and problems which relate to the student's understanding and critical awareness of the visual arts.
563 Problems in Art. (3) A. Prerequisite: all departmental courses in problem area identified. Limited to seniors. Continuation of study begun in regular departmental courses. May be retaken to a maximum of nine hours.
590 Italian Renaissance Art. (3) A. Prerequisite: ART 391 or instructor approval. In-depth study of selected aspects of the painting, sculpture, and architecture of Italy between 1400 and 1600. The graduate student will be expected to prepare a scholarly paper.

GRADUATE COURSES
703 Independent Work in Painting. (3) A.
740 Workshop in Art. (1-3) A.
762 Seminar in Art Criticism. (3) A.
763 Problems in Art. (3) A.
790 Italian Renaissance Art. (3) A.
821* Drawing. (3) A.
822* Painting. (3) A.
827* Sculpture. (3) A.
829* Ceramics. (3) A.
830* Printmaking. (3) A.
*Courses in the series, ART 821 through ART 830, share the prerequisite: six hours of work in the specialization named or instructor approval. Students may register for no more than nine hours of any specialization offered.

DEPARTMENT OF
ENGLISH

The Department of English offers instruction in literature, in writing, and in language study. This instruction is designed for the student who plans to teach, for the pre-professional student, and for the student who wants to broaden his/her critical insight into the nature of language and of literature. The Department also offers instruction in reading and study skills, basic instruction for speakers of English as a second language, and refresher courses for students who have been away from formal learning situations for a period of time or who need to develop basic skills before entering advanced courses. Academic assistance, offered through the Writing/Reading Center located in Wallace 346, is one of the services available to students through the department.

English
MAJOR (BACHELOR OF ARTS)
Major Requirements .................................. 33 hours
ENG 301, 302"**; three courses from ENG 350, 351, 352, or 353; and a minimum of 18 additional upper level hours, at least nine of which must be either in literature at the 400 or 500 levels or in upper level writing courses.
Supporting Course Requirements ....................... 6 hours
Six hours of a particular foreign language at the 200 level. In addition, the major is strongly advised to take courses in speech, in history, and in other allied disciplines.
General Education Requirements ....................... 46 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
University Requirements ................................ 9 hours
AHO 100; eight hours of restricted electives.
Free Electives ........................................... 34 hours
Total Curriculum Requirements ........................ 128 hours
**Should be taken before enrolling in upper level literature courses (with the exception of ENG 350, 351, 352, and 353).

English (Teaching)
MAJOR (BACHELOR OF ARTS)
Major Requirements .................................. 33 hours
ENG 211, 212, 301, 302**; 350 or 351; 352 or 353; 410; 510 or 520; and at least nine additional upper level hours, three of which must be in British literature and three of which must be in American literature. ENG 405 is strongly recommended as an elective for all teaching majors and minors.
Supporting Course Requirements ....................... 9 hours
SPE 100 or 300, and six hours of a particular foreign language at the 200 level.
Teacher Education Requirements ........................ 31 hours
EDF 102, 202, 317, EPY 318, ESE 443, 498, 499, and 574.
General Education Requirements ....................... 40 hours
Standard General Education program, excluding course categories 05 and 06. Refer to Part Three of this Catalog for details on the General Education and University requirements.
University Requirements ................................ 9 hours
AHO 100; eight hours of restricted electives.
Free Electives ........................................... 6 hours
Total Curriculum Requirements ........................ 128 hours
**Should be taken before enrolling in upper level literature courses (with the exception of ENG 350, 351, 352, and 353).

MAJOR IN ENGLISH (TEACHING AREA)
BACHELOR OF ARTS
A student may take a teaching area in English by earning at least 51 hours, including ENG 101 and 102 (or 105). In general, the student may follow the curriculum for a major, adding at least 12 hours selected in conference with the advisor.

MINOR IN ENGLISH
Requirements ............................................. 18 hours
ENG 301, 302"**, and at least 12 additional upper level hours in literature and or writing courses.
**Should be taken before enrolling in upper level literature courses (with the exception of ENG 350, 351, 352, and 353).
MINOR IN ENGLISH (TEACHING)

Requirements .................................................. 21 hours
ENG 301, 302**; 350 or 351; 352 or 353; 410; 510 or 520;
and at least three additional upper level hours. ENG 405 is
strongly recommended as an elective for all teaching majors
and minors.

Supporting Course Requirements ............................. 3 hours
ESE 574.

**Should be taken before enrolling in upper level literature courses (with the
exception of ENG 350, 351, 352, and 353).

MINOR IN COMPARATIVE LITERATURE

Requirements .................................................. 21 hours
ENG 330 (Prerequisites for ENG 330 include ENG 211, 212,
and 12 hours, or equivalent, of any one foreign language),
nine hours upper division literature courses of one selected
foreign language, and one of the following emphases: A.
ENG 352 or 353, and six hours British Literature; B. ENG
350 or 351, and six hours American Literature; C. nine
hours of upper division literature courses of a second selected
foreign language.

*Certain courses (ENG 335, 337, 340, 345, 531, 535, and 545) may qualify as
either British or American literature, but only one of these may count toward the
minor.

GRADUATE PROGRAMS

The Master of Arts Degree in English is offered under a
thesis or a non-thesis option. Under either option, work in-
cludes preparation for independent study leading toward the
Ph.D. in English, for teaching on the college and pre-college
levels, and for other professional purposes. Under either option
a student must pass a language reading examination in one
foreign language (normally French, German, or Latin) before
the Master's degree will be granted; however, the student may
instead elect, unless the requirement has already been met,
the completion of 12 hours (or the equivalent) of study in at
least one language, acceptable to the student's graduate advis-
cy committee. Also, under either option, at least half the
course work must be at the 800 level.

The Masters of Arts in Education degree with an emphasis in
English is offered in the College of Education with the coopera-
tion of the Department of English.

For further information concerning graduate programs see the
Graduate Catalog.

Course Descriptions

ENG—English

090 Basic Writing. (3) I, II. A remedial course in composition
emphasizing selected sentence basics and fundamental rhetoric
to prepare students for ENG 095 and ENG 101. Exit exam required.
Taken by referral or placement. Credit earned is institutional and
cannot be used for graduation.

095 Developmental Composition. (3) I, II. An introductory course in
composition emphasizing selected sentence basics and rhetoric for
short essays and reports, to prepare students for ENG 101. Exit exam
required. Taken by referral or placement. Credit earned is institutional and
cannot be used for graduation.

101 English Composition I. (3) I, II. A writing course reviewing
sentence basics and methods of paragraph development; emphasizing
style, organization, coherence, and persuasion in written discourse;
extensive practice in composition for different purposes and audiences;
study and practice to improve reading and speaking. Entrance and
proficiency exam required. Gen. Ed. 01.

102 English Composition II. (3) I, II. Prerequisite: ENG 101 (or
equivalent). A writing course reviewing components of ENG 101 and
refining general composition skills; emphasis on expository and argu-
mentative writing, including researched, documented papers and re-
ports; study of research sources and methods, with emphasis on

105 English Composition Honors. (3, 6) I, II. Advanced writing
course, reviewing fundamentals and emphasizing practice writing es-
says and reports, including researched, documented writing; practice to
improve reading and speaking. Taken by referral or placement. Profi-
ciency exam required. Students graded "A" or "B" will receive six hours
credit for ENG 105; students with "C" or "D" will receive three hours
credit for ENG 105 and must take ENG 102. Gen. Ed. 01 (02).

106 Writing Workshop: (1) I, II. Prerequisite: ENG 101,
105, or departmental permission. A course intended to develop writing
abilities through practice in writing processes for varied topics; reading
and discussion of rhetoric, grammar, etc. appropriate for the selected
topic. Primarily individualized instruction in workshop conditions.
May be repeated for credit; maximum of three credit hours.

200 Topics in English: (1-3) A. Prerequisites: ENG 101 and
102 (or 105). Introduction to areas of literature, writing, and
language use through selected topics. Designed primarily for non-
English majors; may be retaken with different topics to a maximum of
six hours.

211 Survey of World Literature I. (3) I, II. Prerequisites: ENG 101
and 102 (or 105). Selected readings from masterpieces of world
literature from ancient times through the Renaissance. Gen. Ed. 05.

212 Survey of World Literature II. (3) I, II. Prerequisites: ENG 101
and 102 (or 105). Selected readings from masterpieces of world
literature from the 17th century to the present. Gen. Ed. 06.

242 Introduction to a Genre: (2) A. Prerequisites: ENG 101
and 102 (or 105). Readings in either the novel, poetry, or short story;
special emphasis on understanding and enjoying the literature. De-
signed primarily for non-English majors; may be retaken with different
topics to a maximum of six hours.

244 Mystery and Detective Fiction. (2) A. Prerequisites: ENG 101
and 102 (or 105). History of mystery and detective fiction. Study of the
genre's basic characteristics as well as its cultural ramifications.

245 Science Fiction. (2) A. Prerequisites: ENG 101 and 102
(or 105). A survey of science fiction from Mary Shelley to the present.

300 Ten with a Professional Writing. (3) A. Prerequisites: ENG
101 and 102 (or 105). Advanced study and application of principles of
effective technical writing in various forms with emphasis on reports.
Special sections arranged in cooperation with professional programs.

301 Advanced Composition. (3) I, II. Prerequisites: ENG 101
and 102 (or 105). Refinement of writing skills; application of rhetoric
in expository and argumentative writings; planning and writing a research
paper.

302 Principles of Literary Study. (3) I, II. Prerequisites: ENG 101
and 102 (or 105). Introduction to the genres of poetry, short fiction,
and drama, as well as to the traditional literary devices, the major critical
approaches, and several bibliographical tools.

306 Introduction to Creative Writing. (3) A. Prerequisites: ENG
101 and 102 (or 105). Introduction to fundamentals of short story,
poetry, play, or personal essay writing.

308 Autobiographical Writing and Research. (3) A. Prerequisites:
ENG 101 and 102 (or 105). Discussion of full-length American, British,
Continental, and non-Western autobiographies and modern theories of
autobiographical writing; practice in autobiographical writing and research.

330 The Comparative Study of Literature. (3) A. Prerequisites:
ENG 211, 212, and 12 hours (or equivalent) in any one foreign
language (i.e., ability equal to completion of the first four courses in
the language to be used in the Comparative Literature Minor). Critical
methods in comparative study of literature; practical, historical, and
theoretical problems from at least two linguistic and cultural traditions.

334 Modern Poetry. (3) A. Prerequisites: ENG 101 and 102
(or 105). Survey of representative British and American poets from Hopkins
and Dickinson to the present.

335 Modern Drama. (3) A. Prerequisites: ENG 101 and 102
(or 105). Study of representative Continental, British, and American plays
from Ibsen forward.

337 Biblical Narrative and Verse. (3) Prerequisites: ENG 101
and 102 (or 105). Study of selected narratives and verse from the Old
Testament, Apocrypha, and New Testament from distinctly literary
perspectives.

108      EASTERN KENTUCKY UNIVERSITY
340 Classical Mythology. (3) A. Prerequisites: ENG 101 and 102 (or 105). Study in translation of Greek and Roman myths through historical, psychological, and literary approaches.

345 Literature and Film. (3) A. Cross listed as COM 345. Prerequisites: ENG 101 and 102 (or 105). An examination of the relationship between film and literature for a comparative study of the stylistic and technical elements of the two media.

349 Cooperative Study: English. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate: sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

351 American Literature II. (3) II. Prerequisites: ENG 101 and 102 (or 105). Survey of American literature from Whitman to the present; emphasis on Cooper, Bryant, Emerson, Poe, Hawthorne, Melville and Thoreau.

352 English Literature I. (3) I. Prerequisites: ENG 101 and 102 or 105). English literature from Beowulf through the 18th century; special emphasis on Chaucer, Spenser, Shakespeare, Donne, Milton, Dryden, Pope, Swift, and Johnson.

353 English Literature II. (3) II. Prerequisites: ENG 101 and 102 (or 105). English literature from the Romantics to the present; emphasis on Wordsworth, Keats, Tennyson, Browning, Arnold, Hardy, Yeats, and Joyce.


359 Kentucky Literature. (3) A. Prerequisites: ENG 101 and 102 (or 105). Study of Kentucky's literary tradition from its beginning to the present; emphasis on Elizabeth Madox Roberts, Allen Tate, Harriet Arrow and Robert Penn Warren.

375 Twentieth-Century British Fiction. (3) A. Prerequisites: ENG 101 and 102 (or 105). Survey of representative British novels and short stories of the 20th century.

405 Survey of Theories of Composition. (3) A. Prerequisites: ENG 101 and 102 (or 105) and 301. An introductory course surveying theories of composition and applying these theories to the instruction of composition.

410 Grammar, Traditional and Modern. (3) A. Prerequisites: ENG 101 and 102 (or 105) and 301. Grammatical structure of American English and present-day terminology used to describe that structure: analysis of the linguistic and grammatical theories underlying contemporary grammar texts.

430 Dramatic Literature. (3) A. Cross listed as THE-430. Survey of the major periods and genres of world dramatic literature, from the Greeks to the present; selected readings from the major playwrights, critics and theorists.

452 American Romanticism. (3) A. Prerequisites: ENG 101 and 102 (or 105). A study of the 19th century Romantic movement, concentrating on selected American authors through Whitman.

454 American Realism. (3) A. Prerequisites: ENG 101 and 102 (or 105). A study of the American Realist movement from the late nineteenth century through the 20th century, concentrating upon selected major authors from Twain to the present.

470 Chaucer and His Age. (3) A. Prerequisites: ENG 101 and 102 (or 105). A study of selections from Chaucer, the Pearl poet, Langland, Malory, medieval drama and lyrics.

472 Renaissance Literature. (3) A. Prerequisites: ENG 101 and 102 (or 105). A study of Tudor poetry and prose and Elizabethan and early Stuart drama, exclusive of Shakespeare.

474 Shakespeare. (3) A. Prerequisites: ENG 101 and 102 (or 105). Study of Elizabethan England as a background for Shakespeare's works; extensive reading of several plays; intensive reading of selected drama and poetry.

476 Milton and His Age. (3) A. Prerequisites: ENG 101 and 102 (or 105). A study of Milton's works, Cavalier and metaphysical poetry, the masque, and prose of the period.

478 Literature of the Restoration and Eighteenth Century. (3) A. Prerequisites: ENG 101 and 102 (or 105). British poetry, prose, and drama of the Restoration and 18th century with emphasis on Dryden, Swift, Pope, and Johnson.

480 Romantic Literature. (3) A. Prerequisites: ENG 101 and 102 (or 105). Survey of British poetry, essays, and fiction of the Romantic period.

482 Victorian Literature. (3) A. Prerequisites: ENG 101 and 102 (or 105). Survey of British poetry, essays, and fiction of the Victorian period.

495 Independent Study. (3) A. Prerequisite: departmental approval; individual study and or research on a problem pertaining to literature or language. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

500 Advanced Professional Writing. (3) A. Prerequisites: ENG 101 and 102 (or 105) and either two additional courses in English or instructor approval. Advanced study and practice in editing, technical writing, expository writing, or writing for the popular media. May be retaken with different topics to a maximum of six hours.

502 Advanced Creative Writing. (3) A. Prerequisites: ENG 101 and 102 (or 105) and instructor approval. Open to students who desire to have their manuscripts criticized; fiction, drama, poetry, biography, or the informal essay accepted; guest lectures and discussion with writers in residence.

503 Creative Writing Workshop. (1-3) A. Prerequisites: ENG 101 and 102 (or 105) and instructor approval. A one-week course of informal lectures and discussions by faculty and visiting lecturers. Each student registering for the writer's conference must submit a short story, a one-act play, four poems, or the equivalent.

510 Introduction to Linguistic Theory. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two additional courses in English. An introduction to current linguistic theory and practice.

515 English as a Second Language. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two additional courses in English. Study of theory related to techniques used in generating effective use of English as a second language.

520 History of the English Language. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two additional courses in English. Study of the history of the English language in terms of social, historical, and linguistic forces from which it developed into modern English.

530 Studies in a Genre. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two additional courses in literature. Study of a designated literary genre, such as Renaissance drama, the novel, or narrative poetry. May be retaken with different topics to a maximum of six hours.

531 Genre in Translation. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two courses in literature. Study of a designated literary genre primarily in translation, such as the epic, classical drama, or Continental fiction. May be retaken with different topics to a maximum of six hours.

535 Women Writers. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two courses in literature. Study of literature by women writers.

545 Study of Popular Writings. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two courses in literature. Study of selected literary and cultural values expressed in popular formats through a survey of best sellers, the new journalism, detective fiction, science fiction, newspapers, and TV scripts.

545 Topics in Literary Relationships. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two courses in literature. Study of a designated literary genre primarily in translation, such as the epic, classical drama, or Continental fiction. May be retaken with different topics to a maximum of six hours.

550 Topics in American Literature. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two courses in literature. Intensive study of a particular literary movement, a theme common to American literature, or contemporary directions experiments in American literature. May be retaken with different topics to a maximum of six hours.

570 Topics in British Literature. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two courses in literature. Intensive study of a particular literary movement, a theme common to British literature, or contemporary directions experiments in British literature. May be retaken with different topics to a maximum of six hours.
720 History of the English Language. (3) A.
730 Studies in a Genre: _______. (3) A.
731 Genre in Translation: _______. (3) A.
735 Women Writers. (3) A.
740 Study of Popular Writings. (3) A.
745 Topics in Literary Relationships: _______. (3) A.
750 Topics in American Literature: _______. (3) A.
770 Topics in British Literature: _______. (3) A.
800 Seminar on Composition. (3) A.
804 Seminar in Creative Writing: _______. (3) A.
805 Writing Project. (3-6) A.
806 Topics in Rhetoric and Composition: _______. (1-3) A.
807 Advanced Study of Language: Theory and Application. (3) A.
808 Modern Theories of Composition. (3) A.
809 Seminar in Scholarship and Writing. (3) A.
810 Seminar in Linguistics. (3) A.
825 Old English. (3) A.
833 Literary Criticism. (3) A.
839 Cooperative Study in English. (1-6) A.
850 Seminar in Early American Literature. (3) A.
853 Seminar in Nineteenth-Century American Literature. (3) A.
854 Seminar in Twentieth-Century American Literature. (3) A.
870 Seminar in Medieval Literature. (3) A.
873 Seminar in Renaissance Literature. (3) A.
874 Seminar in Shakespeare. (3) A.
876 Seminar in Restoration and Eighteenth-Century Literature. (3) A.
878 Seminar in Nineteenth-Century British Literature. (3) A.
880 Seminar in Twentieth-Century British Literature. (3) A.
890 Special Studies. (1-3) A.
898 Thesis I. (3) A.
899 Thesis II. (3) A.

GSL—Learning Skills
090 Developmental Reading I. (3) I, II. Designed to develop reading
skills through classroom instruction, discussion, and learning activi-
ties. Taken by referral or placement. Institutional credit when exit level attained.
095 Developmental Reading II. (3) I, II. Designed to meet the
instructional needs of students who have basic command of reading
sub-skills but who lack the higher-level reading. Taken by referral or
placement. Institutional credit when exit level attained.
112 College Reading/Study Skills. (3) I, II. Prerequisite: GSL 095:
Passing the Reading Screening Examination or ACT Composite of
14+. Emphasizes development of higher-level reading skills and study
strategies. Instruction and practice in textbook reading, summary writ-
ing, listening, note-taking, vocabulary, test-taking, and learning tech-
niques. Cannot receive credit if taken after GSL 115. Gen Ed. 03.
115 Learning Dynamics. (1) I, II. Five-week course concentrates on
learning techniques for effective and efficient study of college reading
materials. Emphasis on learning, storing, and retrieving information.
Credit not available for students with credit for GSL 112. Gen Ed. 03.
116 Rapid Reading. (1) I, II. Five-week course concentrates on
increasing reading efficiency by improving rate and comprehen-
sion. Emphasis on acquisition of skills and application of techniques. Gen. Ed. 03.
201 Vocabulary-Symbolics of Information. (3) I, II. Mastery of
wide range of college-level vocabulary for reading, writing, speaking and
listening. Instruction in using context and Greek and Latin elements to
unlock meaning. Includes practice in solving verbal analogies. Gen. Ed. 03.
225 Efficient Reading. (1) A. Concentrates on refining the ability to
process information with flexibility and sophistication through systemat-
ic use of higher-level reading skills.
006 Basic Communication Skills for International Students. (3-6
equivalent) A. Non-credit, intensive English language instruction for
non-native speakers with pre-college-level proficiency. Instruction in
English language skills of listening, speaking, reading, and survival
communication skills.

DEPARTMENT OF
FOREIGN LANGUAGES

T. Langenbruch, Chair; Bettler, Boyd, S. Davis Burkhart,
Carter, K. Hill, R. King, MacKinnon, M. Scorsone, Spurlock,
Wokw.

The Department of Foreign Languages offers courses in
French, German, Greek, Italian, Latin, Portuguese, Russian,
and Spanish. A student may take a teaching major in French,
German, or Spanish, or a teaching minor in French, German,
Russian, or Spanish. Students may also take non-teaching
majors or minors in French, German or Spanish.

In addition to these language programs, a student may also
take a non-teaching minor in Russian or Ibero-American
Studies. The Ibero-American Studies minor is an inter-disciplinary
program offered in cooperation with the Departments of
Anthropology, Sociology, and Social Work; Economics; Geography
and Planning; Government; and History.
The Master of Arts in Education degree with an option
in French or Spanish is offered in the College of Education with
the cooperation of the Department of Foreign Languages.
Students who wish to enroll in this program must consult first
with the Department of Foreign Languages. The regulations for
the degree may be found in the Graduate Catalog.
Students who enter Eastern with some knowledge of
a foreign language, and who want to continue studying that
language, will be helped to find the course type or particular
course best suited for them through a placement examination.
For more information, please consult with the department office.

FRENCH
MAJOR (BACHELOR OF ARTS)

Major Requirements ........................................30 hours
A student may major in French by completing a minimum of
30 semester hours in French courses numbered 200 and
above. The following courses are required: FRE 340, 360,
six hours from FRE 303, 313, 314, 315, 316, 400, and
nine hours of upper division electives. A grade of "C" or
higher is required in each course for credit toward the major.
The major is strongly advised to take six hours in a second
foreign language. In addition, the student is strongly advised
to take three hours each in upper division English courses in
grammar and literature.

General Education Requirements ..................................46 hours
Standard General Education program. Refer to Part Three of
this Catalog for details on the General Education and Univer-
sity requirements.

University Requirements .......................................59 hours
AHO 100; eight hours of restricted electives.

Free Electives ..................................................43 hours
Total Curriculum Requirements ................................128 hours
FRENCH (TEACHING)
MAJOR (BACHELOR OF ARTS)

Major Requirements ........................................... 30 hours
A student may major in French by completing a minimum of
30 semester hours in French courses numbered 200 and
above. The following courses are required: FRE 340, 360;
six hours selected from FRE 303, 313, 314, 315, 316, or
400; and nine hours of upper division electives. A grade of
"C" or higher is required in each course for credit toward the
major. The major is strongly advised to take six hours in a
second foreign language. In addition, the student is strongly
advised to take three hours each in upper division English
courses in grammar and literature.

Teacher Education Requirements .......................... 28 hours
EDF 102, 202, 317, EPY 318, ESE 443, 498 and 499.

General Education Requirements .......................... 46 hours
Standard General Education program. Refer to Part Three of
this Catalog for details on the General Education and Univer-
sity requirements.

University Requirements ..................................... 9 hours
AHO 100; eight hours of restricted electives.

Free Electives ................................................ 15 hours
Total Curriculum Requirements ............................ 128 hours

MINOR IN FRENCH

A student may minor in French by completing a minimum of
21 hours in French, 12 of which must be in courses
numbered 300 and above. The following courses are required:
FRE 303 or another literature courses, 340, and 360. A grade of
"C" of higher is required in each course for credit toward the
minor.

MINOR IN FRENCH (TEACHING)

A student may minor in French by completing a minimum of
21 semester hours in French, 12 of which must be in courses
numbered 300 and above. The following courses are required:
FRE 303 or another literature courses, 340, and 360. Supporting
course requirement: FCC 220. A grade of "C" of higher is
required in each course for credit toward the minor.

GERMAN (TEACHING)
MAJOR (BACHELOR OF ARTS)

Major Requirements ........................................... 30 hours
A student may major in German by completing a minimum of
30 semester hours in German courses numbered 200 and
above. The following courses are required: six hours from
GER 240, 340, or 540; 301 or 302; 360, 505, and FCC 222.
A grade of "C" or higher is required in each course for credit
toward the major. The major is strongly advised to take six
hours in a second foreign language. In addition, the student
is strongly advised to take three hours each in upper division
English courses in grammar and literature.

General Education Requirements .......................... 46 hours
Standard General Education program. Refer to Part Three of
this Catalog for details on the General Education and Univer-
sity requirements.

University Requirements ..................................... 9 hours
AHO 100; eight hours of restricted electives.

Free Electives ................................................ 43 hours
Total Curriculum Requirements ............................ 128 hours

MINOR IN GERMAN

A student may minor in German by completing a minimum of
18 semester hours in German courses numbered 200 and
above. The following courses are required: three hours from GER 240,
340, or 540; 301 or 302; 360 or 505; and FCC 222. A grade of
"C" or higher is required in each course for credit toward the
minor.

MINOR IN GERMAN (TEACHING)

A student may minor in German by completing a minimum of
21 hours in German, 18 of which must be in courses numbered
200 and above. The following are required: three hours from GER 240,
340, or 540; 301 or 302; 360 or 505; and FCC 222. State certification requirements of 21 hours may include GER
101 and 102. A grade of "C" or higher is required in each course for credit toward the minor.

COMPREHENSIVE AREA MINOR IN IBERO-
AMERICAN STUDIES

Prerequisite: 12 hours SPA or equivalent.

Minor Requirements ........................................... 18 hours
A student may minor in Ibero-American Studies (non-teaching)
by completing a total of 18 semester hours as follows: POR
501 and 502; three hours from FCC 225, 226, HIS 383, or
585; nine hours electives in Ibero-American content courses of
inter-disciplinary nature with the unifying theme of Ibero-
American Studies. Courses will be elected in consultation
with advisor and approved by the Department of Foreign
Languages and the department offering the course in ques-
tion. At least two different academic disciplines must be rep-
Russian

MINOR IN RUSSIAN
A student may minor in Russian by completing 18 hours in Russian courses numbered 200 and above. A grade of "C" or higher is required in each course for credit toward the minor.

MINOR IN RUSSIAN (TEACHING)
A student may minor in Russian by completing a minimum of 21 hours in Russian. The following courses are required: RUS 201, 202, 206, 305, 306, and three hours of RUS 400. State certification requirements of 21 hours may include RUS 101 and 102. FCC 224 is strongly recommended. A grade of "C" or higher is required in each course for credit toward the minor.

Spanish

MAJOR (BACHELOR OF ARTS)
Major Requirements .................................................. 30 hours
A student who majors in Spanish (non-teaching) will take a minimum of 30 semester hours in courses numbered 200 and above. A grade of "C" or higher is required in each course for credit toward the major. The major is strongly advised to take six hours in a second foreign language.

General Education Requirements .................................. 46 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements .......................................... 9 hours
AHO 100; eight hours of restricted electives.

Free Electives .......................................................... 43 hours

Total Curriculum Requirements .................................. 128 hours

Spanish (Teaching)
MAJOR (BACHELOR OF ARTS)
Major Requirements .................................................. 30 hours
A student may major in Spanish by completing a minimum of 30 hours with at least 27 semester hours in courses numbered 200 and above. The following courses are required: SPA 206 or 340, (waived in case of demonstrable oral proficiency); six hours from 301, 305, 306, or 307; and 360 or 505. A grade of "C" or higher is required in each course for credit toward the major. The major is strongly advised to take six hours in a second foreign language.

Teacher Education Requirements .................................. 28 hours
EDF 102, 202, 317, EPY 318, ESE 443, 498, and 499.

General Education Requirements .................................. 46 hours
Standard General Education Program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements .......................................... 9 hours
AHO 100; eight hours of restricted electives.

Free Electives .......................................................... 15 hours

Total Curriculum Requirements .................................. 128 hours

MINOR IN SPANISH
A student may minor in Spanish by completing a minimum of 18 semester hours in courses numbered 200 and above. A grade of "C" or higher is required in each course for credit toward the minor.

MINOR IN SPANISH (TEACHING)
A student may minor in Spanish by completing a minimum of 21 hours in Spanish, 18 of which must be in courses numbered 200 and above. The following courses are required: SPA 206 or 340 (waived in case of demonstrable oral proficiency); six hours from 301, 305, 306, or 307; and 360 or 505. State certification requirements of 21 hours may include SPA 101 and 102. A grade of "C" or higher is required in each course for credit toward the minor.

Course Descriptions

FCC—Foreign Culture and Civilization
220 French Culture and Civilization. (3) A. Introduction to the unique values and traditions of the French nation and of French-speaking peoples as reflected in their aesthetic, intellectual and other cultural achievements. Taught in English. Gen. Ed. 07.
222 German Culture and Civilization. (3) A. Introduction to the unique values and traditions of the German peoples as reflected in their aesthetic, intellectual, and other cultural achievements. Taught in English. Gen. Ed. 07.
224 Russian Culture and Civilization. (3) A. Introduction to the unique values and traditions of the Russian peoples as reflected in their aesthetic, intellectual, and other cultural achievements. Taught in English. Gen. Ed. 07.
225 Spanish Culture and Civilization. (3) A. Introduction to the unique values and traditions of the Spanish nation as reflected in its aesthetic, intellectual, and other cultural achievements. Taught in English. Gen. Ed. 07.
226 Spanish-American Culture and Civilization. (3) A. Introduction to the unique values and traditions of the Spanish-American nations as reflected in their aesthetic, intellectual, and other cultural achievements. Taught in English. Gen. Ed. 07.

FLS—Foreign Language Studies
300 Elements of Foreign Language: ______. (3) A. Prerequisite: approval of Department of Foreign Languages and the student's major department. Introduces basic linguistic structures of major European languages, including pronunciation and intonation patterns; sharpens awareness of linguistic differences. Gen. Ed. 03 or 04.

FRE—French
101 Elementary French I. (3) I, II. Basic French conversation and grammar. Practice in speaking, comprehension, reading, and writing. Laboratory attendance required. Gen. Ed. 03 or 04.
102 Elementary French II. (3) I, II. Prerequisite: FRE 101 or equivalent proficiency. Continuation of FRE 101. Laboratory attendance required. Gen. Ed. 03 or 04.
201 Elementary French III. (3) I, II. Prerequisite: FRE 102 or equivalent proficiency. Continuation of FRE 102. Laboratory attendance required. Gen. Ed. 03 or 04.
204 Review of French Grammar. (3) I, II. Review of basic French grammar for students with two or more years of high school French or FRE 101, 102, and 201, or the equivalent. Gen. Ed. 03 or 04.
GER—German

100 German for Graduate Reading Knowledge. (3) A. Prerequisite: none. Accelerated study of reading skills for those students needing a reading knowledge of German. Cannot be used for major, minor, or general education credit.

101 Elementary German I (3) I. II. Introduction to the grammar and structure of German. Practice in pronunciation, reading, writing, and conversation. Laboratory attendance required. Gen. Ed. 03 or 04.

102 Elementary German II (3) I. II. Prerequisite: GER 101 or equivalent proficiency. Continuation of GER 101 using more advanced materials. Gen. Ed. 03 or 04.

201 Intermediate German I (3) I. II. Prerequisite: GER 102 or equivalent proficiency. Practice in grammar, reading, and writing at the intermediate level. Laboratory attendance required. Gen. Ed. 03 or 04.

202 Intermediate German II (3) I. II. Prerequisite: GER 201 or equivalent proficiency. May be used as an alternate course for GER 202. Certain selected scientific texts are read with emphasis on translation and grammar. Recommended for science majors.

204 Review of German Grammar. (3) A. Review of basic German grammar for students with sufficient high school German or the equivalent. Gen. Ed. 03 or 04.

240 Beginning Conversation. (3) A. Prerequisite: GER 201 or equivalent proficiency. Topics for conversation drawn from everyday situations. (Waived in case of demonstrable oral proficiency, but not open to native speakers.) Gen. Ed. 03 or 04.

301 Masterpieces of German Literature in Translation I (to 1850). (3) A. Poetry, prose, and drama selections designed to introduce the student to major literary figures. Among authors included are Martin Luther, Lessing, Goethe, Schiller, and Heine. Special conditions for German language majors and minors.

302 Masterpieces of German Literature in Translation II (1850 to the present). (3) A. Continuation of GER 301. Among authors included are Hauptmann, Hofmannsthal, Thomas Mann, Brecht, and Hesse. Special conditions for German language majors and minors.

340 Intermediate Conversation. (3) A. Prerequisite: GER 240 or equivalent proficiency. Topics for conversation drawn from contemporary German life. Gen. Ed. 03 or 04.

349 Cooperative Study. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: 16. A minimum of 80 hours employment required for each semester hour credit.

350 Intermediate French Conversation. (3) A. Prerequisite: FRE 204 or equivalent proficiency. Intensive grammar study and introduction to composition. Gen. Ed. 03 or 04.

360 Intermediate Grammar and Composition. (3) A. Prerequisite: FRE 204 or equivalent proficiency. Intensive grammar study and introduction to composition. Gen. Ed. 03 or 04.

400 French Literary Studies: ______. (3) A. Prerequisites: FRE 303, 313, 314, or 315. A selected topic from the major French authors and literary movements. May be retaken to a maximum of six hours credit if content is different.

435 French Stylistics. (3) A. Prerequisite: FRE 360 or equivalent proficiency. Develops flexibility and variety in modes of expression, from informal to literary styles. Emphasis on vocabulary enrichment and mastery of French syntax.

440 Introduction to Business French. (3) A. Prerequisite: FRE 340 or 360 or equivalent proficiency. Develops oral and written skills with emphasis on language of business, industry, and the professions.

495 Independent Work in French. (1-3) A. Prerequisite: departmental approval. May be counted toward major or minor only with permission of department chair. May be retaken to a maximum of six hours if content is different. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

500 Special Studies in French Language: ______. (3) A. Prerequisite: FRE 360 or equivalent proficiency. A selected topic such as linguistics, history of the language, grammar, advanced speaking, or composition. May be retaken to a maximum of nine hours credit if content is different.

GRADUATE COURSES

705 Advanced Grammar and Composition. (3) A.
740 Advanced Conversation. (3) A.

GRE—Greek

101 Elementary Greek I. (3) A. Introduction to the grammar of classical Greek and the Koine Greek of the New Testament and to the reading of elementary texts. Recommended for students majoring in languages, ancient history, and religion. Gen. Ed. 03 or 04.

102 Elementary Greek II. (3) A. Continuation of GRE 101 with more advanced work in grammar and syntax and the reading of Xenophon’s Anabasis. Gen Ed. 03 or 04.
201 Readings in the Greek New Testament (Gospels). (3) A. Prerequisite: GRE 102 or equivalent proficiency. Selected readings from the four Gospels in the Greek New Testament.


ITA—Italian

101 Elementary Italian I. (3) A. Basic Italian pronunciation, conversation, and grammar. Materials used in speaking, reading, and writing reflect historical relevance and contemporary experience. Laboratory attendance required. Gen. Ed. 03 or 04.

102 Elementary Italian II. (3) A. Prerequisite: ITA 101 or equivalent. Laboratory attendance required. Continuation of ITA 101. Gen. Ed. 03 or 04.

201 Elementary Italian III. (3) A. Prerequisite: ITA 102 or equivalent proficiency. Continuation of ITA 102. Basic Italian conversation and grammar. Practice in speaking, reading, and writing. Laboratory attendance required. Gen. Ed. 03 or 04.

202 Intermediate Italian. (3) A. Prerequisite: ITA 201 or equivalent proficiency. Continuation of ITA 201. Basic Italian readings, conversation, and review of grammar. Gen. Ed. 03 or 04.

349 Cooperative Study. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: 16. A minimum of 80 hours employment required for each semester hour credit.

495 Independent Work in Italian. (1-3) A. Prerequisite: departmental approval. May be retaken to a maximum of six hours provided the subject matter is different. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

LAT—Latin

101 Elementary Latin I. (3) A. Study of basic inflexions, syntax, pronunciation, and vocabulary necessary for the reading and progressive understanding of the Latin language. Particular attention is given to the relationship of Latin to English and other languages. Gen. Ed. 03 or 04.

102 Elementary Latin II. (3) A. Prerequisite: one unit of high school Latin or LAT 101. A continuation of the study of the elements of Latin grammar with additional work in translation of selections from Latin writers of appropriate complexity. Some composition included. Gen. Ed. 03 or 04.

201 Intermediate Latin I. (3) A. Prerequisite: two or three units of high school Latin or LAT 102. Rapid review of grammar. Selections from such writers as Caesar, Cicero, Nepos, Ovid, Catullus, Horace and Vergil. Gen. Ed. 03 or 04.

202 Intermediate Latin II. (3) A. Prerequisite: two or three units of high school Latin or the equivalent. Continuation of LAT 201. Gen. Ed. 03 or 04.

POR—Portuguese

349 Cooperative Study. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: 16. A minimum of 80 hours employment required for each semester hour credit.

501 Accelerated Elementary Portuguese I. (3) A. Prerequisite: upper division standing and 202 level or equivalent of another foreign language. Fundamentals of the Portuguese language. Gen. Ed. 03 or 04.

502 Accelerated Elementary Portuguese II. (3) A. Prerequisite: POR 501 or equivalent proficiency in Portuguese. Composition, conversation, and reading in Luso-Brazilian studies. Gen. Ed. 03 or 04.

595 Independent Work in Portuguese. (1-3) A. Prerequisites: POR 501 or equivalent and departmental approval. Independent study in either language or literature on a subject of special need or interest to the advanced student. May be retaken to a maximum of six hours if content is different. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSES

701 Accelerated Elementary Portuguese I. (3) A.
702 Accelerated Elementary Portuguese II. (3) A.
795 Independent Work in Portuguese. (1-3) A.
880 Special Studies. (1-3) A.

RUS—Russian

101 Elementary Russian I. (3) I, II. An introduction to the structure and grammar of Russian with an emphasis on pronunciation and conversation. Gen. Ed. 03 or 04.

102 Elementary Russian II. (3) I, II. A. Prerequisite: RUS 101 or equivalent proficiency. Continuation of RUS 101. Gen. Ed. 03 or 04.

201 Intermediate Russian I. (3) A. Prerequisite: RUS 102 or equivalent proficiency. Continuation of RUS 102. Gen. Ed. 03 or 04.

202 Intermediate Russian II. (3) A. Prerequisite: RUS 201 or equivalent proficiency. Grammar and structure review through a balanced use of the four basic skills: reading, speaking, writing, and aural comprehension. Gen. Ed. 03 or 04.

205 Beginning Conversation. (3) A. Prerequisite: RUS 202 or equivalent proficiency. Required of all minors. (Waived in case of demonstrable oral proficiency, not open to native speakers.) Gen. Ed. 03 or 04.

305 Composition and Conversation. (3) A. Prerequisite: RUS 202 or equivalent proficiency. Review of grammar. Conversations and composition on topics drawn from everyday life.

306 Composition and Translation. (3) A. Prerequisite: RUS 305 or equivalent proficiency. Reading and discussion of contemporary Russian prose selections. Composition and grammar review.

349 Cooperative Study. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: 16. A minimum of 80 hours employment required for each semester hour credit.

400 Topics in Russian Literature: ______. (3) A. Prerequisite: RUS 306 or equivalent proficiency. Selections from works of major Russian authors are read in the original language. May be retaken to a maximum of six hours if content is different.

495 Independent Work in Russian. (1-3) A. Prerequisite: departmental approval. May be counted toward major or minor only with permission of department chair. May be retaken to a maximum of six hours if content is different. Student must have the independent study proposal form approved by the faculty supervisor and department chair prior to enrollment.

SPA—Spanish

101 Elementary Spanish I. (3) I, II. Introduction to the grammar and structure of Spanish. Practice in pronunciation, reading, writing, and conversation using materials relevant to contemporary experiences. Laboratory attendance required. Gen. Ed. 03 or 04.

102 Elementary Spanish II. (3) I, II. Prerequisite: SPA 101 or equivalent proficiency. Continuation of SPA 101 using more advanced materials. Gen. Ed. 03 or 04.

201 Intermediate Spanish I. (3) I, II. Prerequisite: SPA 102 or equivalent proficiency. Grammar review and continuation; readings, compositions and discussions in Spanish on cultural topics. Gen. Ed. 03 or 04.

202 Intermediate Spanish II. (3) I, II. Prerequisite: SPA 201 or equivalent proficiency. Continuation of SPA 201. Gen. Ed. 03 or 04.

206 Beginning Conversation. (3) I, II. Prerequisite: SPA 202 or equivalent proficiency (not open to native speakers). Gen. Ed. 03 or 04.

114 EASTERN KENTUCKY UNIVERSITY
215 Applied Communications Skills in Spanish. (3) A basic course to provide the student with essential communication skills needed in dealing with Spanish-speaking communities. No previous knowledge of Spanish required. Gen. Ed. 03 or 04.

301 Introduction to Hispanic Literature. Prerequisite: SPA 202 or equivalent proficiency. Study of literary concepts, terms, style, and techniques of analysis based on readings of literary selections from a variety of genres and periods.

305 Survey of Hispanic Literature I. (3) A. Prerequisite: SPA 202 or equivalent proficiency. Readings and analyses of representative works, and movements from both Spain and Spanish-America from the Middle Ages to 1700.

306 Survey of Hispanic Literature II. (3) A. Prerequisite: SPA 202 or equivalent proficiency. Readings and analyses of representative works, and movements from both Spain and Spanish-America in the 18th and 19th centuries.

307 Survey of Hispanic Literature III. (3) A. Prerequisite: SPA 202 or equivalent proficiency. Readings and analyses of representative works, and movements from both Spain and Spanish-America including the Generations of 1898, Modernism, and the 20th century.

340 Intermediate Spanish Conversation. (3) A. Prerequisite: SPA 206 or equivalent proficiency (not open to native speakers). Gen. Ed. 03 or 04.

349 Cooperative Study. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: 6. A minimum of 60 hours employment required for Hispanic Literature. (3) A.

360 Intermediate Grammar and Composition. (3) A. Prerequisite: SPA 202 or equivalent proficiency. Gen. Ed. 03 or 04.

495 Independent Work in Spanish. (1-3) A. Prerequisite: departmental approval. May be counted toward major or minor only with permission of department chair. May be retaken to a maximum of six hours if content is different. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

496 Travel-Study Program in Mexico. (3) A. Prerequisite: departmental approval. May be retaken to a total of six hours.

501 Bibliography and Research Methods. (3) A.

505 Advanced Grammar and Composition. (3) A. Prerequisite: upper division standing in Spanish or equivalent. Correct usage of Spanish through intensive grammar analysis and its application in original compositions.

535 Historical Linguistics. (3) A. Prerequisite: SPA 360 or 505, and departmental chair approval. History and development of the Spanish language.

572 Hispanic Literature: . (3) A. Prerequisite: SPA 301 and three hours from SPA 305, 306, or 307. Study of a selected literary topic. May be retaken to a maximum of nine hours if content is different.

GRADUATE COURSES

701 Bibliography and Research Methods. (3) A.

705 Advanced Grammar and Composition. (3) A.

735 Historical Linguistics. (3) A.

772 Hispanic Literature: . (3) A.

872 Hispanic Literature: . (3) A.

880 Special Studies. (1-3) A.

DEPARTMENT OF HUMANITIES

A. Brooks, Chair; Holland, Shearon, Shin, Wright.

The Department of Humanities offers interdisciplinary courses designed to meet University general education requirements for graduation. These courses have been developed to help students gain a better understanding of what it means to be human; to develop within students an appreciation for the significant creative achievements of human beings around the world; and to provide students with an intellectual foundation for clarifying and developing moral and aesthetic values that will help them to live meaningfully, responsibly, and productively. Through these courses, students develop an understanding of human values, an awareness of cultural traditions, critical perspectives on those traditions, a sensitivity to language and the arts, and an inquisitiveness about meaning. Each of the courses provides opportunities for written and oral communication.

The Department of Humanities offers a Minor in Humanities which is designed to integrate insights into human experience gained from a study of significant works of literature, visual art, music, religion, and philosophy. The Minor in Humanities is a meaningful complementary curriculum for any specialized major field of study. In providing a broad knowledge base for an understanding of human values, it gives students an opportunity to clarify attitudes and qualities of mind that enhance their capacity for experiencing meaning in all aspects of their lives.

MINOR IN HUMANITIES

A student may minor in Humanities by completing 18 to 24 hours as follows: HUM 124; 226 or 228; PHI 100; MUS 272; ART 390 or 391; six hours from the following: ENG 350, 351, 352, 353, 474, SPE 340, or any of the upper-division foreign language literature courses; and HUM 410. Students who elect PHI 100 to meet Symbolism of Information requirements must take PHI 320. When the major and the minor require the same courses, a maximum of six hours may be waived from the minor upon the recommendation of the Chair of the Department of Humanities.

Course Descriptions

HUM—Humanities

124 Introduction to Humanities. (3) I, II. Formerly GSH 124. Not open to seniors. No credit after earning nine or more hours of general education humanities. This course introduces students to a consideration of what it means to be human. An interdisciplinary approach leads students to recognize basic human qualities expressed in examples of literature, visual art, and music from around the world. Gen. Ed. 07.

226 Human Experience in Traditional Cultures. (3) I, II. Formerly GSH 226. Prerequisite: HUM 124. This course explores universal concerns about human experience expressed in examples of the literature, visual art, and music of traditional world cultures. Gen. Ed. 05.

228 Human Experience in the Modern World. (3) I, II. Formerly GSH 228. Prerequisite: HUM 124. This course examines human experience from the perspective of differences that exist between traditional and modern ways of thinking with special focus on the creativity, dignity, and responsibility of the individual. Relevant topics are explored in examples of literature, visual art, and music from selected cultures throughout the modern world. Gen. Ed. 06.

300 The Individual in Contemporary Society. (3) A. Formerly GSH 300. The major concern of this course is the problem of establishing and maintaining human dignity and personal worth in rapidly changing contemporary society. This problem is explored in selected examples of contemporary literature, visual art, and music. Gen. Ed. 08.

310 The Creative Imagination in Humanities and Science. (3) A. Formerly GSH 310. The purpose of this course is to examine the role of the creative imagination in humanities and modern science. Students will study and examine selected works in the areas of science and humanities for the purpose of discovering the role of the imagination in solving human problems in the contemporary world. Gen. Ed. 08.
400 Topics in Humanities. (3) A. An examination of a selected topic for the purpose of increasing one's understanding of the human experience. Study of the topic will involve an interdisciplinary approach and a global perspective. May be retaken to a maximum of six hours credit if the topic is different each time.

410 Humanities Seminar. (3) A. Prerequisite: departmental chair approval. Provides students with an opportunity to integrate insights into the subjective human experience gained from a study of various creative, religious, and philosophical expressions of humankind. Introduces students to bibliographic tools and research methods appropriate to the study of humanities.

DEPARTMENT OF MUSIC

J. Roberts, Chair; Beeler, Boewe, Bromley, Crosby, Duncan, Gille, Greenlee, Hartwell, A. W. Harvey, Henrickson, Hensel, Hoagland, Illman, James, Lawson, Smith, Staples, R. Surplus, Thomas, Whitlock, Wolfmam.

The functions of the Department of Music are to:
1) Prepare music specialists for the public school;
2) Prepare students for careers in teaching in private studios or colleges and universities;
3) Prepare students for professional solo and/or ensemble performances;
4) Prepare students for careers in the music industry;
5) Provide specialized instruction for the elementary classroom teacher; and
6) Provide courses which contribute to the general education and cultural development of all students.

DEGREES AND OPTIONS

The Department of Music offers a variety of undergraduate degrees and options:
- Bachelor of Music in Performance
- Bachelor of Arts, Major in Music with options in:
  - Theory/Composition
  - Music History and Literature
  - Performance
- Bachelor of Arts, Major in Music Merchandising
- Bachelor of Music Education
- Bachelor of Fine Arts in the Performing Arts (Musical Theatre)

PIANO CERTIFICATION REQUIREMENTS

All music majors and minors, and performing arts majors, must meet piano proficiency requirements of the Department of Music. At the time of entrance, piano proficiency levels of all students must be ascertained. Instruction is provided for those who do not meet the described standards.

For a detailed description of the examination requirements, and representative examples of each item, please consult the current Piano Proficiency Guidelines available from the keyboard coordinator.

At any time during the year a student may petition to take the Piano Proficiency Examination. Successful completion of the examination exempts the students from further attendance in piano class.

THEORY PLACEMENT INTERVIEW

The purpose of this interview is to determine eligibility of students for college level work in class piano and theory.

Instruction is provided for those who do not meet the prescribed standards (MUS 102-109). A detailed description of the theory placement test may be obtained from the theory coordinator.

APPLIED MUSIC

Applied music instruction is required throughout the four years of the prescribed curricula in the various degree programs. Instruction is given in individual lessons of one or two one-half hour periods per week. Applied students must complete a jury examination at the end of each semester.

Recital Attendance. Attendance at the weekly departmental recitals and master classes is a regularly scheduled part of applied music instruction for majors. Students should attend all approved University concerts and recitals.

BACHELOR OF MUSIC IN PERFORMANCE

All candidates for the Bachelor of Music in Performance degree will perform a qualifying audition. Candidates will be placed on probationary status from one to four semesters or accepted as full candidates for the degree. At the end of the probationary period, the student may re-audition for full candidacy. Appeal procedures are on file in the Department of Music. The Audition Committee will consist of at least three members of the faculty including the applied teacher.

SOLO RECITAL PERFORMANCE

This degree program requires two solo recitals: a half recital (MUS 399) and a whole recital (499).

ENSEMBLE REQUIREMENTS

Each student in the Bachelor of Music degree program must be enrolled in an ensemble which reflects the student's major applied area during each semester of residence with the approval of the major applied teacher and the department chair. Pianists and organists may fulfill the requirements through accompanying.

Music

MAJOR (BACHELOR OF MUSIC)

Major Requirements .............................................. 74 hours
MUS 181, 182, 272, 281, 282, 366; 367 or 368; 371, 372, 383, 399, 480, 481, 499 (two hours), 550 (one hour), 551 (one hour), and three hours from upper division courses in Music History and Literature. Applied majors, instrument or voice: 23 hours. Two hours credit per semester in first and second years, four hours credit fifth semester, three hours credit sixth semester, and four hours credit seventh and eighth semesters.

Music Ensemble: eight hours

Supporting Course Requirements ............... 3 or 6 hours
Foreign language: Voice majors, six hours; instrumental majors, three hours.

General Education Requirements ............ 40 hours
Standard General Education program, excluding course categories 07 and 08. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements .................... 9 hours
AHO 100; eight hours of restricted electives.

Free Electives (Instrumental majors only) .... 2 hours
Total Curriculum Requirements (Instrumental majors) ..................... 128 hours
Total Curriculum Requirements (Voice majors) 128 hours
Music
MAJOR (BACHELOR OF ARTS)

Major Requirements .............................................. 52-56 hours
Music Core .......................................................... 28 hours

Options
Theory/Composition .............................................. 24 hours
MUS 283 (two hours), 383, 481; 555 or 556; 483 (four hours), and two additional hours from 483 or 585. Applied instrument and/or voice: eight hours.

Music History and Literature .................................. 28 hours
MUS 471, 472, 555, and 556. Applied instrument and/or voice: eight hours. Music ensemble: eight hours.

Performance ....................................................... 24 hours
MUS 499 (one hour). Applied major instrument or voice: 15 hours. Music ensemble: eight hours.

General Education Requirements ............................... 46 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ......................................... 9 hours
AHO 100; eight hours of restricted electives.

Free Electives ..................................................... 17-21 hours

Total Curriculum Requirements ................................. 128 hours

Music Merchandising
MAJOR (BACHELOR OF ARTS)

Major Requirements .............................................. 67 hours

General Education Requirements ............................... 46 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ......................................... 9 hours
AHO 100; eight hours of restricted electives.

Free Electives ..................................................... 6 hours
(With MUS 349, 5 hours) .................................. 1 hour
(Without MUS 349, 5 hours) ............................. 6 hours

Total Curriculum Requirements ................................. 128 hours

* A total of five hours may be taken under course title MUS 349 with approval of the Bachelor of Arts in Music Merchandising Committee. No hours in MUS 349 may be elected without BAMM Committee approval.

BACHELOR OF MUSIC EDUCATION
Applied Music and Honors Recital (BME)
Students in the Bachelor of Music Education (Teaching) program will register for a minimum of seven hours of applied instruction in an instrument or voice to continue every semester of residence except the practice-teaching semester. The student may present a half honors recital (MUS 499) in place of the seventh hour of applied instruction, if recommended by the applied teacher and the Applied Music Committee. Students not presenting an Honors Recital will take an extended final Jury examination. More detailed information concerning recital requirements in the Bachelor of Music Education degree may be obtained from the Department of Music.

Ensembles (BME)
Students must be enrolled for seven semesters in ensembles which reflect the major performing specialty, as follows:
1) Brass, woodwind, and percussion majors will elect Marching Band during all fall semesters in residence and Concert or Symphonic Band during spring semesters;
2) String majors must participate in Orchestra a minimum of seven semesters;
3) Keyboard majors may fulfill the seven semester ensemble requirement in either a vocal or instrumental ensemble or by accompaniment duties in the junior and senior years as specified by the keyboard faculty; and
4) Vocal students will elect Concert Choir or University Singers for seven semesters.

Students enrolling in more than three ensembles should receive permission for such participation from their applied teacher, ensemble director, and advisor.

Music (Teaching)
TEACHING AREA (BACHELOR OF MUSIC EDUCATION)

Major Requirements .............................................. 53 hours

Teacher Education Requirements ................................ 25 hours
EDF 102, 202, 317, ESE 498, and 499.

General Education Requirements ............................... 40 hours
Standard General Education program, excluding course categories 07 and 08. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ......................................... 9 hours
AHO 100; eight hours of restricted electives.

In addition to the above requirements, student must elect one of the following plans for teacher certification:

1. Instrumental Certificate ........................................ 9 hours
MUS 364 (1), 366 (1), 367 (1), 370 (2), 383 or 384 (2), and ESE 457 (2).

2. Vocal Certification .............................................. 7 hours
MUS 364 (1), 365 (1), 368 (1), 382 (2), and ESE 458 (2).

3. Instrumental and Vocal Certification
Students may be certified in both areas by completing one of the certification plans above and an additional 12 hours in the other area as specified:

A. Vocal Certification for Instrumental
Students ...................................................... 6 hours
MUS 320 (1), 368 (1), 382 (2), and ESE 458 (2).

Applied music (keyboard: two or three hours; voice: two or three hours) ........... 4 or 5 hours
Choral ensemble ............................................. 1 or 2 hours

Total ................................................................. 12 hours

B. Instrumental Certification for Vocal
Students .................................................... 7 hours
MUS 367 (1), 370 (2); 383 or 384 (2), and ESE 457 (2).

Applied music (keyboard: one or two hours; instrument: one or two hours) ..... 3 or 4 hours
Instrumental ensemble 1 or 2 hours

Total ................................................................. 12 hours

ARTS AND HUMANITIES
MINOR IN MUSIC

MUS 181, 182, 371, 372, and four hours of electives in music ............................................. 136 hours

Candidates must pass the Piano Proficiency Examination or take MUS 110 and 111 which cannot be counted as a part of the minor.

GRADUATE PROGRAMS

Graduate study in music can lead to the Master of Music degree, with options in Performance, Theory/Composition, and Choral Conducting. The Master of Music Education degree and Rank I Certification are offered in the College of Education with the cooperation of the Department of Music.

The program of study includes required subjects in music education teaching techniques, music history and literature, structure and organization in music, applied music, and related fields. Flexibility is provided for students to pursue particular interests in the field of music.

Qualifications for admission and procedures for entrance may be found in the Graduate Catalog. More detailed information may be obtained by writing the Department of Music or the Dean of the Graduate School.

Course Descriptions

APPLIED MUSIC

MUS—Music

109 Introductory Class Piano. (1) I. For students enrolled in MUS 102. Elementary keyboard techniques and reading drill. Credit does not count toward a music major or minor.

110 Beginning Class Piano I. (1) I, II. Corequisite: MUS 181. Prepares non-piano majors to meet Level I Piano Proficiency Examination requirements. Basic keyboard skills, elementary repertoire, and technique. Some music reading ability required. May be retaken to a maximum of two hours. Credit does not count toward a music major or minor.

111 Beginning Class Piano II. (1) I, II. Corequisite: MUS 110 or instructor approval. Corequisite: MUS 182. Continuation of MUS 110. May be retaken to a maximum of two hours. Credit does not count toward a music major or minor.

112 Piano I. (1-2) I, II. One or two lessons per week. May be retaken to a maximum of four hours.

114 Keyboard Skills I. (1) I, II. Corequisite: MUS 181. Prepares piano majors and other music majors with advanced keyboard background to meet Level II Piano Proficiency Examination requirements. Emphasis is functional skills, such as reading, transposing, playing by ear, harmonizing and improvising, combined with keyboard harmony, technique and memorization skills.

115 Keyboard Skills II. (1) I, II. Corequisite: MUS 114 or instructor approval. Corequisite: MUS 182. Continued development of skills begun in MUS 114 to prepare piano majors and other music majors with advanced keyboard background to meet Level IV Piano Proficiency Examination Requirements.

122 Voice I. (1-2) I, II. One or two lessons per week. May be retaken to a maximum of four hours.

132 String Instruments I. (1-2) I, II. One or two lessons per week. Instruction available in a. violin, b. viola, c. violoncello, d. string bass, e. viola da gamba, f. guitar, g. electric bass. May be retaken to a maximum of four hours.

142 Organ I. (1-2) I, II. One or two lessons per week. May be retaken to a maximum of four hours.

145 Brass Instruments I. (1-2) I, II. One or two lessons per week. Instruction available in a. cornet and trumpet, b. french horn, c. baritone horn, d. trombone, e. tuba. May be retaken to a maximum of four hours.

146 Woodwind Instruments I. (1-2) I, II. One or two lessons per week. Instruction available in a. flute, b. oboe, c. clarinet, d. bassoon, e. saxophone. May be retaken to a maximum of four hours.

147 Percussion I. (1-2) I, II. One or two lessons per week. May be retaken to a maximum of four hours.

210 Intermediate Class Piano I. (1) I, II. Prerequisite: MUS 111 or instructor approval. Corequisite: MUS 281. Second year course for nonpiano majors to meet Level II Piano Proficiency Examination requirements. Continuation of skill development listed under MUS 110; more complex materials, intermediate repertoire, and technique. May be retaken to a maximum of two hours. Credit does not count toward a music major or minor.

211 Intermediate Class Piano II. (1) I, II. Prerequisite: MUS 210 or instructor approval. Corequisite: MUS 282. Continuation of MUS 210. May be retaken to a maximum of two hours. Credit does not count toward a music major or minor.

212 Piano II. (1-2) I, II. One or two lessons per week. May be retaken to a maximum of four hours.

222 Voice II. (1-2) I, II. One or two lessons per week. May be retaken to a maximum of four hours.

230 String Instruments I. (1) I, II. Corequisite: MUS 364 or 365 to a maximum of two hours. Fingering, care of instruments and tone production. Group instruction to prepare for teaching strings in class and for training string section of school orchestra; survey of teaching materials.

232 String Instruments II. (1-2) I, II. One or two lessons per week. Instruction available in a. violin, b. viola, c. violoncello, d. string bass, e. viola da gamba, f. guitar, g. electric bass. May be retaken to a maximum of four hours.

242 Organ II. (1-2) I, II. One or two lessons per week. May be retaken to a maximum of four hours.

245 Brass Instruments II. (1-2) I, II. One or two lessons per week. Instruction available in a. cornet and trumpet, b. French horn, c. baritone horn, d. trombone, e. tuba. May be retaken to a maximum of four hours.

246 Woodwind Instruments II. (1-2) I, II. One or two lessons per week. Instruction available in a. flute, b. oboe, c. clarinet, d. bassoon, e. saxophone. May be retaken to a maximum of four hours.

247 Percussion II. (1-2) I, II. One or two lessons per week. May be retaken to a maximum of four hours.

251 Brass Instruments Class I. (1) I, II. Corequisite: MUS 364 or 365 to a maximum of two hours. Fingering, care of instruments, tone production and tuning. Group instruction to prepare for teaching brass instruments in band or orchestra. Examination of materials suitable for beginning instrumental programs.

252 Brass Instruments Class II. (1) I, II. Prerequisite: MUS 251. Corequisite: MUS 364 or 365 to a maximum of two hours. Continuation of MUS 251.

312 Piano III. (1, 2 or 4) I, II. One or two lessons per week. May be retaken to a maximum of eight hours.

313 Accompanying. (1, 2) I, II. Prerequisite: keyboard coordinator approval. Upper-division keyboard students may substitute MUS 313 for ensembles requirements. Additional accompanying hours assigned. May be retaken to a maximum of two hours.

320 Class Voice. (1) I, II. Basic vocal techniques with emphasis on developing the voice for solo and/or choral performance.

322 Voice III. (1, 2 or 4) I, II. One or two lessons per week. May be retaken to a maximum of eight hours.

330 String Instruments Class II. (1) I, II. Prerequisite: MUS 230. Corequisite: MUS 364 or 365 to a maximum of two hours.

332 String Instruments III. (1, 2 or 4) I, II. One or two lessons per week. Instruction available in a. violin, b. viola, c. violoncello, d. string bass, e. viola da gamba, f. guitar, g. electric bass. May be retaken to a maximum of eight hours.

333 Guitar Class. (1) A. Group instruction in functional guitar with emphasis on chording, tone production, care of instruments, and survey of teaching materials.
342 Organ III. (1, 2 or 4) I, II. One or two lessons per week. May be retaken to a maximum of eight hours.

345 Brass Instruments III. (1, 2 or 4) I, II. One or two lessons per week instruction available in a. cornet and trumpet, b. French horn, c. baritone horn, d. trombone, e. tuba. May be retaken to a maximum of eight hours.

346 Woodwind Instruments III. (1, 2 or 4) I, II. One or two lessons per week. Instruction available in a. flute, b. oboe, c. clarinet, d. bassoon, e. saxophone. May be retaken to a maximum of eight hours.

347 Percussion III. (1, 2 or 4) I, II. One or two lessons per week. May be retaken to a maximum of eight hours.

351 Woodwind Instruments Class I. (1) I, II. Corequisite: MUS 364 or 365 to a maximum of two hours. Fingerling, care of instruments, tone production, and tuning. Group instruction to prepare for teaching woodwind instruments in band or orchestra. Examination of materials suitable for beginning instrumental programs.

352 Woodwind Instruments Class II. (1) I, II. Prerequisite: MUS 351. Corequisite: MUS 364 or 365 to a maximum of two hours. Continuation of MUS 351.

354 Percussion Class I. (1) I, II. Corequisite: MUS 364 or 365 to a maximum of two hours. Snare drumming, rudiments, teaching techniques. Experiences on all related percussion instruments: bass drum, tympani, and others. Some experiences with mallet instruments: marimba, xylophone, bells and others.

355 Percussion Class II. (1) A, I, II. Prerequisite: MUS 354. Corequisite: MUS 364 or 365 to a maximum of two hours. Continuation of MUS 354.

364 Instrumental Music Lab. (1,2) II. Practical experience in performing and conducting instrumental music appropriate for use in school situation. May be retaken to a maximum of one hour.

365 Choral Music Lab. (1,2) I. Practical experience in performing and conducting choral music appropriate for use in school situation. May be retaken to a maximum of one hour.

370 Marching Band Techniques. (2) I, II. Marching fundamentals, charting, and scoring for the contemporary marching band.

382 Choral Arranging. (2) II. Scoring literature of all types of choral ensembles for school use.

399 Junior Recital. (1) I, II.

412 Piano IV. (1, 2 or 4) I, II. One or two lessons per week. May be retaken.

422 Voice IV. (1, 2 or 4) I, II. One or two lessons per week. May be retaken.

432 String Instruments IV. (1, 2 or 4) I, II. One or two lessons per week. Instruction available in a. violin, b. viola, c. violoncello, d. string bass, e. viola da gamba, f. guitar, g. electric bass. May be retaken.

442 Organ IV. (1, 2 or 4) I, II. One or two lessons per week. May be retaken.

445 Brass Instruments IV. (1, 2 or 4) I, II. One or two lessons per week. Instruction available in a. cornet and trumpet, b. French horn, c. baritone horn, d. trombone, e. tuba. May be retaken.

446 Woodwind Instruments IV. (1, 2, or 4) I, II. One or two lessons per week. Instruction available in a. flute, b. oboe, c. clarinet, d. bassoon, e. saxophone. May be retaken.

447 Percussion IV. (1, 2 or 4) I, II. One or two lessons per week. May be retaken.

499 Recital. (1 or 2) I, II.

512 Piano V. (1 or 4) I, II. May not be taken for credit by piano majors.

513 Techniques of Accompanying. (1) I, II. Practical training in the tradition, interpretation, and execution of accompaniments. May be retaken to a maximum of two hours.

522 Voice V. (1 to 4) I, II. May not be taken for credit by voice majors.

542 Organ V. (1 to 4) I, II. May not be taken for credit by organ majors.

**MUS—Music**

127, 327 Opera Workshop. (1,2) I, II. Prerequisite: instructor approval. Preparation and presentation of opera scenes and complete works. All phases of performance and technical procedures of staging, costumes, and management.

205 Chamber Music. (1,2) I, II. Study and performance of standard chamber music literature. Open to pianists, vocalists, string, wind, and percussion players upon recommendation of instructor. Course may be retaken.

225 Choir. (1) I, II. Rehearsal and performances of choral literature. Sections may include Concert Choir, Madrigal Singers, and Show Choir. Course may be retaken.

226 University Singers. (1) I, II. Rehearsal and performance of music for vocal ensemble. Concerts given both on and off campus. Three or more hours rehearsal per week. May be retaken to a maximum of four hours credit.

260 Orchestra. (1) I, II. Rehearsal and performance of orchestra literature from all style periods. Concerts given both on and off campus. Three or more hours rehearsal per week. May be retaken to a maximum of four hours credit.

250 Small Ensembles. (1,2) I, II. Rehearsal and performance for: String Orchestra, Brass Choir, Percussion Ensemble, Stage Band, and Clarinet Choir. Course may be retaken.

255 Band. (1) I, II. Rehearsal and performance of standard band literature. Sections may include Concert and Symphonic Bands and Wind Ensemble. May be retaken to a maximum of four hours credit.

256 Marching Band. (1) I. Preparation and performance of marching band shows during the football season. Three or more rehearsals per week. May be retaken to a maximum of four hours credit.

425 Choir. (1) I, II. Prerequisite: MUS 225. Rehearsal and performance of choral literature. Sections may include Concert Choir, Madrigal Singers, and Show Choir. Course may be retaken.

426 University Singers. (1) I, II. Prerequisite: MUS 226. Rehearsal and performance of music for vocal ensemble. Concerts given both on and off campus. Three or more hours rehearsal per week. May be retaken to a maximum of four hours credit.

435 Orchestra. (1) I, II. Prerequisite: MUS 235. Rehearsal and performance of orchestra literature from all style periods. Concerts given both on and off campus. Three or more hours rehearsal per week. May be retaken to a maximum of four hours credit.

455 Band. (1) I, II. Prerequisite: MUS 255. Rehearsal and performance of standard band literature. Sections may include Concert and Symphonic Bands and Wind Ensemble. May be retaken to a maximum of four hours credit.

**MUS—Other Music Courses**

102 Introduction to the Fundamentals of Music. (3) I, II. Required by students whose musical experience and preparation, as indicated by the Theory Placement Interview, are deemed insufficient to complete MUS 181. Credit does not count toward a music major or minor.

171 Enjoyment of Music. (3) I, II. May not count toward a music major or minor. Provides the general college student with a cultural background in music. Masterpieces of music, composers, and techniques presented through listening materials and concert attendance. Gen. Ed. 07.

181 Beginning Theory I. (4) I. Corequisite: MUS 110 or equivalent. Perception and understanding of music through an integrated study of relatively simple, short structures from the last Baroque to the early Romantic periods.

182 Beginning Theory II. (4) I. Prerequisite: MUS 181. Corequisite: MUS 111 or equivalent. Continuation of MUS 181.

272 Music Literature. (3) I, II. Critical listening and scorereading of the standard repertory of music in Western Civilization from Gregorian plainchant to the Contemporary era. Gen. Ed. 07.


281 Intermediate Theory III. (4) I. Prerequisite: MUS 182. Corequisite: MUS 210 or equivalent. Continuation of MUS 182. Integrated skills further developed through the study of more difficult, longer structures from the Baroque and Classic periods.

**MUSIC ENSEMBLES**

Ensembles are open to all students enrolled in the University and to qualified persons not enrolled. Interested individuals are invited to participate and should confer with the director of each ensemble to arrange for an audition.
282 Intermediate Theory IV. (4) II. Prerequisite: MUS 281. Corequisite: MUS 211 or equivalent. Continuation of MUS 281. Integrated skills further developed through the study of more difficult structures from the Romantic and Modern periods.

283 Beginning Composition. (1) A. Prerequisite: instructor approval. Guidance in the exploration and development of compositional techniques relevant to the student’s stylistic direction. Correct notation and major stylistic analyses stressed. May be retaken to a maximum of four hours provided the subject matter is different each time.

285 Jazz Improvisation. (2) A. Prerequisite: instructor approval. Open to music majors only. Skills required by instrumental performer for improvisation in contemporary jazz idioms. May be retaken to a maximum of four hours.

349 Cooperative Study: Music. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 60 hours employment required for each semester hour credit.

350 Music Fundamentals for the Elementary Teacher. (2) I, II. Open only to elementary education majors who have been admitted to the Teacher Education Program. Provides the grade teacher with sufficient knowledge and skills to teach music in the classroom. Notation, rhythmic participation, rhythm and melody instruments, creative activities, and listening experiences.

366 Fundamentals of Conducting. (1) I. Prerequisite: junior standing in music or instructor approval. Basic techniques of conducting.

377 Instrumental Conducting. (1) II. Prerequisite: MUS 366. Instrumental conducting techniques and their application in rehearsal and performance.

368 Choral Conducting. (1) II. Prerequisite: MUS 366. Choral conducting techniques and their application in rehearsal and performance.

371 Music History I. (3) I. Prerequisite: MUS 171 or instructor approval. Survey of music history from beginnings through the Baroque era. Gen. Ed. 07.

372 Music History II. (3) II. Prerequisite: MUS 371 or instructor approval. Survey of music history from the Classical era to the present. Gen. Ed. 07.

383 Orchestration. (2) I, II. Survey of ranges, timbres, and characteristics of orchestral instruments. Scoring for choirs and full orchestra.

384 Scoring for Band. (2) I, II. Primary course in instrumentation and arranging for band. Scoring for small ensembles, marching band, concert band, and other combinations of wood and percussion instruments.

386 Compositional Techniques for Percussion. (1) A. Prerequisite: MUS 282 or instructor approval. Methods and techniques of scoring for contemporary percussion. Emphasis on notation changes and performance techniques other than traditional.

390 Survey of the Music Industry I. (2) I. Examination of the music industry including marketing and promotion, advertising, record production, radio and television, commercial radio and records, and radio business. A project reflecting course study is required.

391 Survey of the Music Industry II. (2) II. Prerequisite: MUS 390 or instructor approval. Continuation of MUS 390. Examination of the music industry including royalties, artist management, performing rights, trade journals, and industry relations and problems. A project reflecting course study is required.

471 Advanced Music History I. (3) A. Prerequisite: MUS 372 or equivalent. More intensive study of selected materials surveyed in MUS 371. Origins of Western theoretical systems through Bach.

472 Advanced Music History II. (3) A. Prerequisite: MUS 372 or equivalent. Continuation of MUS 471. Pre-classicism through the contemporary era.

480 Form and Analysis. (3) I, II. Prerequisite: junior standing in music. In-depth study of the materials of form from the motive through large structures.

481 Counterpoint. (3) A. Prerequisite: MUS 281 or equivalent. Analysis and composition in 16th century and 18th century contrapuntal styles including parts of the mass, two and three-part inventions, and fugues.

483 Composition. (2) A. Prerequisite: MUS 282 or equivalent or instructor approval. Individual guidance in the exploration and development of compositional techniques relevant to the student’s stylistic direction. May be retaken to a maximum of eight hours, provided the subject matter is different.

520 Diction for Singers. (1) A. For voice and choral conducting students. Enunciation and projection; accurate pronunciation in English, Latin, Italian, French, and German. Phonetics and the International Phonetic Alphabet.

550 Teaching Techniques. (1-2) A. Analysis of current teaching methods and materials with the intention of developing sound teaching procedures. May include observation and performance. Topics in woodwinds, brass, percussion, strings, voice, piano, and organ. May be retaken to a maximum of two hours.

551 Performance Literature. (1-2) A. Literature for various performing media relative to performance practices and problems. Topics in woodwinds, brass, percussion, strings, voice, piano, and organ. May be retaken to a maximum of two hours.

554 Band Literature. (2) A. Designed to acquaint the student with European origins of the modern band; history of band music; and literature for the contemporary band.

555 Symphonic Music Literature. (3) II. Prerequisites: MUS 371 and 372. Evolution of the symphony from its beginning to the 20th century with emphasis on score reading and listening.

556 Choral Music Literature. (3) I. Prerequisites: MUS 371 and 372. Survey of choral music literature from the 16th century to the present.

563 Teaching Piano in Classes. (2) A. Prerequisite: three years of piano study at the college level or equivalent. Methods and materials used in the teaching of piano classes.

564 Advanced Instrumental Conducting. (2) A. Prerequisite: MUS 367 or equivalent. Development of skills in score reading, preparation, interpretation, and conducting of representative orchestra or band works.

565 Advanced Choral Conducting. (2-3) A. Prerequisite: MUS 368 or equivalent. Development of skills in score reading, preparation, interpretation, and conducting of representative choral works.

570 Band Pageantry. (2) A. Prerequisite: instructor approval. Charting and scoring for the modern marching band.


585 Fundamentals of Electronic Music II. (2) A. Prerequisite: MUS 584 or instructor approval. Composition through the use of the synthesizer. May be retaken to a maximum of four hours, provided the subject matter is different each time.

586 Workshop in Instrumental Music. (1-4) A. Topics in band or orchestra procedures. May be retaken to a maximum of four hours.

588 Pedagogy of Theory. (2) A. Comparative study of theory systems with emphasis on presentation and illustrative exercises dealing with related theoretical problems.

589 Workshop in Choral Music. (1-4) A. Techniques, literature, and materials pertinent to a particular area or areas of preparation and performance of choral music. Topics to be announced. May be retaken to a maximum of four hours.

GRADUATE COURSES

712 Piano V. (1-4) I, II.

713 Techniques of Accompanying. (1) I, II.

720 Diction for Singers. (1) A.

722 Voice V. (1-4) I, II.

742 Organ V. (1-4) I, II.

750 Teaching Techniques. (1-2) A.

751 Performance Literature. (1-2) A.

754 Band Literature. (2) A.

755 Symphonic Music Literature. (3) II.

756 Choral Music Literature. (3) I.

763 Teaching Piano in Classes. (2) A.

764 Advanced Instrumental Conducting. (2) A.

765 Advanced Choral Conducting. (2-3) A.

770 Band Pageantry. (2) A.

784 Fundamentals of Electronic Music I. (2) A.

785 Fundamentals of Electronic Music II. (2) A.

786 Workshop in Instrumental Music. (1-4) A.

788 Pedagogy of Theory. (2) A.

789 Workshop in Choral Music. (1-4) A.

805 Chamber Music. (1-2) A.

812 Piano. (1-5) I, II.

822 Voice. (1-5) I, II.

825 Choir. (1) I, II.

826 University Singers. (1) I, II.

827 Opera Workshop. (1-2) I, II.
DEPARTMENT OF PHILOSOPHY AND RELIGION

J.R. Miller, Chair; B. Gray, B. Harris, W. Jones, Messerich, Nordgulen, F. Williams.

The Department of Philosophy and Religion offers a comprehensive undergraduate major in philosophy for students who wish to understand the main ideological forces at work in both the East and West. The program is designed to prepare students for graduate study at other universities as well as for advanced professional training in fields where a background in philosophy is highly recommended. As part of the University’s general goal to offer programs of study which prepare men and women to take their place in the continuing development of a democratic society, philosophy seeks to cultivate the art of effective and clear reasoning and offers the student a thorough grounding in philosophical ideas and concepts.

The major in religion seeks, without sectarian or denominational bias, to provide the student with a scholarly access to all the world religions—their doctrines, their historical development and their forms of ritual and worship. On such a foundation, the student should be able to continue the study of religion at a graduate school for the purpose of obtaining an advanced teaching or research degree, or at a theological seminary for the purpose of preparing for a religious vocation. In addition, the program is designed to provide a good basic education in religion for the religious layman.

Philosophy
MAJOR (BACHELOR OF ARTS)

Major Requirements ...........................................33 hours
PHI 100, 110, 130, 300, 310, 320, 330, and 390 or 500, plus any additional nine hours in philosophy as approved by the department chair. Six hours of religion may be counted as part of the nine hours.

General Education Requirements ................................46 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ....................................9 hours
AHO 100; eight hours of restricted electives.

Free Electives ..................................................40 hours

Total Curriculum Requirements ............................128 hours

MINOR IN PHILOSOPHY

A minor consists of 18 hours in philosophy, including at least three hours in PHI 100, 110, 130, 300, or 320. Three hours of religion may be counted in a minor.

Religion

MAJOR (BACHELOR OF ARTS)

Major Requirements ...........................................33 hours
REL 301, 305, 306, 315; 370 or 505; at least one course from REL 340, 345, or 355; PHI 240, 300; plus any additional nine hours from the following: REL 250, 335, 340, 345, 349, 355, 420, 495, PHI 310, ART 390, ENG 337, or POL 317.

General Education Requirements ................................46 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ....................................9 hours
AHO 100; eight hours of restricted electives.

Free Electives ..................................................40 hours

Total Curriculum Requirements ............................128 hours

MINOR IN RELIGION

A minor consists of 18 hours in religion, including at least three hours in REL 301, 305, 306, 315 or PHI 240. Three hours of philosophy may be counted in a minor, and if PHI 240 is taken, six hours of philosophy may be counted.

Course Descriptions

PHI—Philosophy

100 Practical Reasoning. (3) I. II. The development of skills essential for the analysis and evaluation of reasoning and argumentation of kinds commonly encountered in essays, textbooks, news media, discussions, lectures, and work situations. Gen. Ed. 03 or 04.


130 Beginning Ethics. (3) I. II. Survey of theories concerning the nature of right and wrong, emphasizing how these theories can be applied to personal moral choices. Gen. Ed. 07.


280 A, B, C Short Topics in Philosophy. (1 each) A. One or two of three distinct short topics offered sequentially during one semester. The student may take any or all of the topics, and the course may be retaken to a maximum of six hours if each topic is different.
300 Greek and Roman Philosophy. (3) A. Survey of philosophical thought as seen through an examination of selected issues and selected philosophers from ancient Greece through the early Roman period. Gen. Ed. 07.

310 Medieval Philosophy. (3) A. Study of Christian, Jewish, and Islamic philosophical thought in the Middle Ages and of Renaissance scholasticism. Issues in various areas of philosophical inquiry are examined through selected readings from Augustine to Suarez.

320 Modern Philosophy. (3) A. Survey of philosophical thought as seen through an examination of selected issues and selected philosophers from the Renaissance through the 19th century. Gen. Ed. 07.

330 Twentieth Century Philosophy. (3) A. A survey of the principal schools of philosophic thought of the twentieth century in Europe and America, with special attention to the important issues which emerge.

332 Existentialism. (3) A. Study of the sources of modern existentialism in the writings of Pascal, Hamann, Kierkegaard, and Nietzsche, and an examination of such recent existentialists as Sartre, Camus, Unamuno, Jaspers, Buber, and Marcel.

340 Philosophy of Science. (3) A. How views of reality, knowledge, and values relate to science and scientists. Philosophical assumptions of science examined through historical examples of scientific investigations. The value and the values relate to science and scientists. Philosophical assumptions of science examined through historical examples of scientific investigations. The value and the values relate to scientific methods and scientific theories. Gen. Ed. 08.

342 American Philosophy. (3) A. A critical examination of basic beliefs held by Americans regarding themselves, their culture, and world, through the thought of modern American philosophers such as Royce, Peirce, James, Santayana, Woodbridge, Dewey, and Whitehead.

349 Cooperative Study: Philosophy. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

350 Toward a Philosophy of Human Sexuality. (3) A. A philosophical discussion of such topics as the meaning and purposes of human sexuality, pre-marital sex and promiscuity, sex and religious values, homosexuality, sexual rights and responsibilities, sexual ethics, sex and aging. Credit will not be awarded for PHI 350 and CDF 232 or HEA 375.

360 Human Nature. (3) A. Examination of philosophic issues in the study of human nature. Of particular importance will be philosophic problems that are raised by twentieth century work in the social and behavioral sciences. Gen. Ed. 08.

362 Technology and Human Values. (3) A. Survey of contemporary theories concerning the interrelationships of man, technology, and nature. Pro-technology and anti-technology positions are considered through the study of such representative theorists as Marcuse, Boulding, Ockham, and Mill.

371 Symbolic Logic. (3) A. Basic introduction to modern symbolic logic: propositional calculus, first order predicate calculus, proofs and metapositions, and nature and properties of formal logic systems.

380 Business Ethics. (3) A. Examination of ethical issues which arise in business organizations. Typical topics include: ethical theories, loyalties and responsibilities of superiors and subordinates, codes of conduct, personal values versus organizational objectives, whistle blowing, and case analysis procedures.

385 Environmental Ethics. (3) A. An examination of historical and contemporary views of the values and rights possessed by natural ecosystems and their components. Emphasis on conservation issues in America and the ethical views held by the general public, conservationism resource managers, and politicians. Gen. Ed. 08.

390 Special Topics In Philosophy. (3) A. Prerequisite: instructor approval. Detailed examination of a problem area or a school of philosophy in the history of philosophy or the thought on one outstanding philosopher. May be retaken to a maximum of six hours if the topic is different.

395 Experiencing Philosophy. (1) A. Prerequisite: instructor approval. Attendance at selected lectures, performances, and cultural events with oral discussion and written evaluation of these activities from a philosophically point of view. May be retaken to a maximum of three hours.

400 Metaphysics. (3) A. An elaboration of the various approaches to metaphysics in the history of philosophy, including contemporary anti-metaphysical points of view.

432 Philosophy of Art. (3) A. Examination of the major philosophical theories of art and beauty and the place of aesthetic judgment in the general area of value judgments. Representative classical and contemporary figures will be considered.

490 Independent Work in Philosophy. (3) I, II. Prerequisite: instructor approval. Individual research and reading on a specified philosophical problem chosen by the student and instructor. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours if topic is different.

500 Seminar in Philosophy. (3) A. Prerequisite: instructor approval. Intensive examination of a general philosophical subject such as metaphysics, epistemology or axiology. May be retaken to a maximum of six hours if the work is different.

515 Health and Biomedical Ethics. (3) A. An examination of the value-issues which surround problems that arise in health-related fields and whose resolution calls for moral judgments. Typical problems would include: euthanasia, experimentation with humans, behavior control, genetic engineering, and distribution of health care facilities.

557 Classical Political Thought. (3) A. Cross listed as POL 557. Examination of the origins of Western political thought. Intensive reading of Plato, Aristotle, and Cicero.

558 Medieval, Renaissance, and Reformation Political Thought. (3) A. Cross listed as POL 558. Examination of the political theories of Augustine, Aquinas, Danto, Marsili, Machiavelli, Luther, Calvin, and Bodin. Attention to the church-state controversy, the development of concepts of representation, constitutionalism, and sovereignty.

559 Modern Political Thought. (3) A. Cross listed as POL 559. Examination of the development of political thought from Hobbes to Nietzsche.

GRADUATE COURSES

700 Seminar in Philosophy. (3) A.

715 Health and Biomedical Ethics. (3) A.

757 Classical Political Thought. (3) A.

758 Medieval, Renaissance, and Reformation Political Thought. (3) A.

759 Modern Political Thought. (3) A.

REL—Religion

250 Varieties of Religious Experience. (3) A. An examination of the patterns of religious experience as exemplified in the doctrines, practices, prayers, and rituals of various religions of the world.

282 A, B, C. Short Topics in Religion. (1 each) A. One or two or three distinct short topics offered sequentially during one semester. The student may take any or all of the topics, and the course may be retaken to a maximum of six hours if each topic is different.

301 World Religions. (3) I, II. Study of the basic notions found in the world's great religions. Attention is given to the historical context of the development of these religions and to the doctrines, rituals and literature produced by them. Gen. Ed. 07.

305 Survey of the Old Testament. (3) I. A survey of the history and religious development of the ancient Hebrews, with attention given to the religious concepts and values of the literature of the Old Testament.


315 History of Christian Thought. (3) A. A survey of Christian theology, philosophical theology, and spirituality from the Apostolic Fathers through the early Reformation period.

335 Islam. (3) A. A study of the origins and religious development of Islam by an examination of the Koran and the writings of some major Islamic thinkers.

340 Religions of India. (3) A. Study of the major religions of India including the Vedic Period, classical systems, Epic Period, heterodox systems, orthodox systems, and contemporary thought.

345 Religions of China and Japan. (3) A. Study of the major religions of China and Japan, including original Han, Confucianism, Taoism, Neo-Confucianism, Shinto, and Chinese and Japanese Buddhism.
349 Cooperative Study: Religion. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight. Associate: sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

355 Religions of Africa. (3) A. A study of traditional African religions and other religions in Africa.

370 Special Topics in Religion. (3) A. Prerequisite: instructor approval. Intensive study of a selected topic or an important figure in religion. May be retaken to a maximum of six hours if the topic is different.

420 Contemporary Ideas of God. (3) A. Study of some of the main concepts of God in contemporary thought, dealing with such Eastern thinkers as Radhakrishnan and Suzuki, as well as those in the Western tradition such as Biddyav, Maritain, Buber, Altizer, Hartshorne, Findlay, Cobb.

495 Independent Work in Religion. (3) I, II. Prerequisite: instructor approval. Individual study under the direction of an instructor on a special topic in religion. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours if topic is different.

505 Seminar in Religion. (3) A. Prerequisite: instructor approval. Research and discussion on a selected topic in religion, with special attention to the techniques of scholarly exploration. May be retaken to a maximum of six hours if topic is different.

GRADUATE COURSE

705 Seminar in Religion. (3) A.

DEPARTMENT OF SPEECH COMMUNICATION AND THEATRE ARTS

D. Robinette, Chair; Benson, Dill, Huss, K. Johnson, Moreton, T. Smith, Tracy.

The Department of Speech Communication and Theatre Arts offers major programs in Speech Communication, Speech and Theatre Arts, and Theatre Arts; and in conjunction with the Department of Music, a Bachelor of Fine Arts in the Performing Arts.

The major in Speech Communication offers the student an interdisciplinary program in communication consisting of a core of communication and other human-related courses, and two areas of emphasis, chosen by the student in consultation with the advisor. The goal of this interdisciplinary major is to produce a communication specialist with career opportunities in such fields as personnel and sales, industrial relations, law enforcement, military, social programs, and government.

Speech Communication
MAJOR (BACHELOR OF ARTS)

Major Requirements ........................................... 51 hours
  Core ...................................................... 33 hours
  SPE 100, 200, 205, 220, 320, 350, 410, ACS 300,
  PHI 362, PSY 202, 319.

Option 1: Human Services
  Communication ........................................... 18 hours
  Cognate: ................................................ 12 hours
  A cognate area (such as sociology, public relations, counseling, psychology) to be selected by the student in consultation with the advisor.

  Electives: ................................................... 6 hours
  Electives to be chosen from SPE 210, 300, 405, SOC 235.

Option 2: Organizational Communication 18 hours
  Required: .................................................. 12 hours
  ACC 201, ECO 231, and six hours from
  CIS 212, MGT 300, and MKT 300.

  Electives: ................................................ 6 hours
  Six hours upper division business courses for which prerequisites have been met.

General Education Requirements ................................ 46 hours
  Standard General Education program. Refer to Part Three of
  this Catalog for details on the General Education and University
  requirements.

University Requirements ....................................... 9 hours
  AHO 100; eight hours of restricted electives.

Free Electives .................................................. 22 hours
  Total Curriculum Requirements .......................... 128 hours

MINOR IN SPEECH COMMUNICATION

Minor Requirements ........................................... 21 hours
  SPE 200, 205, 350, 410, PHI 362, PSY 202, and 319.

Speech and Theatre Arts
MAJOR (BACHELOR OF ARTS)

Major Requirements ........................................... 38 hours
  SPE 100, 150, 200, 205, 210, 340, THE 110, 135, 220, 235,
  130/330 (two hours), 341; 390 or 391.

General Education Requirements ................................ 46 hours
  Standard General Education program. Refer to Part Three of
  this Catalog for details on the General Education and University
  requirements.

University Requirements ....................................... 9 hours
  AHO 100; eight hours of restricted electives.

Free Electives .................................................. 35 hours
  Total Curriculum Requirements .......................... 128 hours

Speech and Theatre Arts
(Teaching)
MAJOR (BACHELOR OF ARTS)

Major Requirements ........................................... 38 hours
  SPE 100, 150, 200, 205, 210, 340, THE 110, 135, 220, 235,
  130/330 (two hours), 341; 390 or 391.

Minor Requirements ........................................... 21 hours
  A 21-hour teaching minor is required. To be chosen from the
  following areas: art, English, French, health, history, math, Spanish.

Teacher Education Requirements ................................ 28 hours
  EDF 102, 202, 317, EPY 318, ESE 443, 498, and 499.

ARTS AND HUMANITIES
General Education Requirements ................................................. 46 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ......................................................... 9 hours
AHO 100; eight hours of restricted electives. (Restricted electives may count toward the minor to reduce the hours in the total curriculum.)

Total Curriculum Requirements ............................................... 142 hours

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Theatre Arts
MAJOR (BACHELOR OF ARTS)

<table>
<thead>
<tr>
<th>Requirements</th>
<th>38 hours</th>
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</thead>
<tbody>
<tr>
<td>THE 110, 135, 200, 220, 235; 285 or 385; three hours from THE 310, 311 or 320; THE 341, 390, 391, 430, 130/330 (four hours), and SPE 150.</td>
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</tbody>
</table>

General Education Requirements ............................................. 46 hours
Standard General Education Program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ......................................................... 9 hours
AHO 100, eight hours of restricted electives.

Free Electives ................................................................. 35 hours

Total Curriculum Requirements ............................................... 128 hours

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MINOR IN THEATRE ARTS

<table>
<thead>
<tr>
<th>Requirements</th>
<th>18 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 110, 135, 130/330 (three hours), 341, 390, 391.</td>
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</table>

MINOR IN THEATRE ARTS (TEACHING)

<table>
<thead>
<tr>
<th>Requirements</th>
<th>21 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 110, 135, 130/330 (three hours), 341, 390, 391, and three hours THE electives.</td>
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</table>

The B.F.A. in the performing arts is a professional degree program designed to prepare the student as a performer in the musical theatre. The B.F.A. consists of course work in music, drama, and dance, and directed performance in musical theatre productions.

Performing Arts
MAJOR (BACHELOR OF FINE ARTS)

<table>
<thead>
<tr>
<th>Requirements</th>
<th>65 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 110, 135, 200, 235, 280, 285 (two hours), 130/330 (three hours), 340 (two hours), 341, 385 (two hours); 390 or 391; eight hours of applied voice: (MUS 122, 222, 322, 422), MUS 181, 182, three hours from 272, 273, 371, or 372, and two hours vocal ensemble consisting of appropriate sections of MUS 225 or 226 starting the first semester of entrance into the program. Candidates must meet piano certification requirements as stated in the Music section of this Catalog. Fifteen hours to be chosen, in consultation with the departmental advisor, from the following courses: SPE 150, 340, THE 220, 285, 300, 310, 311, 320, 335, 385, 390, 391, 430, 435, 442, 490, 499, MUS 272, 273, 371, 372, 322, 422, 225, or 226.</td>
<td></td>
</tr>
</tbody>
</table>

General Education Requirements ................................................. 46 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ......................................................... 9 hours
AHO 100; eight hours of restricted electives.

Free Electives ................................................................. 35 hours

Total Curriculum Requirements ............................................... 128 hours

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Course Descriptions

SPE—Speech

100 Introduction to Speech Communication. (3) I, II. A study of theories and practices of communication in interpersonal, intrapersonal, small group, and public-speaking settings. Gen. Ed. 03 or 04.

150 Improvement of Voice and Articulation. (3) I, II. Basic theory and speech production: drill for improvement of voice and articulation; adapted to students' individual speech needs.

200 Interpersonal Communication. (3) I, II. Direct experience in oral communication in a one-to-one interpersonal setting. Practical experience in the study of such key concepts as trust, openness, clarity, nonverbal cues, feedback, and listening. Gen. Ed. 03 or 04.

205 Argumentation. (3) I. Principles and practice of argument in conflict situations. Emphasis on analysis of the role communication serves in the intensification or resolution of business, political, social and legal conflicts. Gen. Ed. 03 or 04.

210 Public Speaking. (3) II. Principles and practice of public speaking. Platform assignments in informative, persuasive, and evocative speaking. Examination of parliamentary procedure and First Amendment principles. Gen. Ed. 03 or 04.

220 Small Group Communication. (3) A. Introduction to communication within groups. Exposure to various types of groups including social, therapeutic, informational, and educational. Special emphasis on developing skills in problem solving and business conferencing.

300 Business and Professional Speaking. (3) I. Practical introduction to the skills of interviewing, conferencing, and public speaking. Preparation and presentation of the oral report, the sales service presentation, and the occasional address.

315 Forensics Practicum. (1) I, II. Prerequisite: instructor approval. Study and application of the principles of argumentation and debate. Students participate in intercollegiate forensic activities which include debate as well as individual speaking events. May be retaken to a maximum of four hours.

320 Persuasion. (3) A. A study of contemporary theories of persuasion and their influence on society. Emphasis on analyzing persuasive principles employed by corporate business, political campaigns, citizen advocacy, and social-oriented movements.

340 Oral Interpretation. (3) A. Basic techniques of text analysis and practice in reading aloud as a solo performer and as a member of a group.

349 Cooperative Study: Speech. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

400 Business and Industrial Communication. (3) II. A study of the communication process within organizations. Planning and implementing organizational communication diagnosis and change. The Communication Audit and Training Model are introduced.

405 Propaganda. (3) A. Analysis of propaganda as an instrument of social change with emphasis on strategies utilized in social, political, and corporate business communication.

410 Human Communication Theory. (3) A. Foundational knowledge regarding the nature of an interpersonal and intrapersonal level, systems of behavior in organizations, effects of mass communication, communication barriers and breakdowns.

415 Communication in the Legal Process. (3) A. The application of communication theories, correlating concepts of feedback, interactional vs. transactional communication, small group and other related areas of communication to the study, practice, and understanding of the legal process.
GRADUATE COURSE

805 Independent Study in Speech Communication. (1-3) A.

THE—Theatre Arts

100 Forms and Philosophy of Theatre. (3) I, II. Understanding and appreciating the arts of the theatre, development of dramatic forms and practices, consideration of the elements of contemporary theatrical practice. Analysis of plays. Attendance at selected play productions required. Gen. Ed. 07.

110 Stagecraft. (3) I. Problems of stagecraft dealing with the scenic process; use of materials, methods of construction and handling of scenery, fabrication and construction of properties. 2 Lec/2 Lab.

130 Theatre Arts Practicum I. (1) I, II. Study and practice of technical production through participation in departmental productions. May be retaken to a maximum of three hours.

135 Acting I. (3) I, II. Investigation and practice of the fundamentals in the acting process. Course work will include physical and mental preparation for the actor, improvisation and beginning scene work.

200 Theatrical Makeup I. (2) A. Techniques in application and design of stage make-up, both straight and character.

220 Costume Construction. (3) A. Study and practical experience in garment construction and related costume crafts as used in theatre costume design. 2 Lec/2 Lab.

235 Acting II. (3) A. Prerequisite: THE 135. Study and practice in analysis, character development and rehearsal as related to scene study; emphasis on twentieth-century acting styles.

280 Acting for Musical Theatre. (3) A. Prerequisite: THE 135. Study of Musical Theatre as an art form, and examinatin of the acting process and how it applies to the musical genre; performance work is included.

285 Dance for the Stage I. (2) I, II. A beginning course in dance for the stage. Starting with basic work in ballet to develop strength and coordination, the class moves into jazz styles and routines for the stage. Class meets for one hour, Monday through Thursday. May be retaken to a maximum of eight hours.

300 Theatrical Makeup II. (2) A. Prerequisite: THE 200. Continuation of THE 200. Concentration placed on skills used in 3-D makeup, mask building and studio makeup.

310 Scenic Design. (3) A. Prerequisite: THE 110 or instructor approval. Principles of composition, scale, perspective, and color applied to the stage; production of ground plans, sketches, and models. 2 Lec/2 Lab.

311 Lighting Design. (3) A. Prerequisite: sophomore standing. Examination of theories of lighting with application to the stage, mixed media, dance, and natural environment. Consideration given to color principles, lighting instruments and control equipment. 2 Lec/2 Lab.

320 Costume Design. (3) A. Design and execution of theatrical costumes with emphasis on originality, color and line. Attention given to costumes of various periods and styles. 2 Lec/2 Lab.

330 Theatre Arts Practicum II. (1) I, II. Prerequisite: THE 130 or departmental approval. Continuation of THE 130. May be retaken to a maximum of three hours.

335 Acting III. (3) A. Prerequisites: THE 235 and SPE 150. Advanced study and rehearsal in verse drama, concentrating on language and action analysis, and character development for performance; emphasis on Classical and Elizabethan repertoires.

340 Audition Workshop. (1) I, II. Prerequisite: permission of instructor. Study and practice in theatrical auditioning, resume creation and actor’s self-presentation; performance workshop in approach. May be retaken to a maximum of four hours.

341 Directing. (3) I. An introduction to the principles of play directing. Study of play selection and analysis, characterization, composition, blocking, and casting and rehearsal procedures.

349 Cooperative Study: Theatre Arts. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

385 Dance for the Stage II. (2) I, II. Prerequisite: THE 285. Upper division dance course. Emphasis is placed on technique and polish through more advanced combinations and a greater diversity of styles. Ensemble work, tap, jazz, and partnering will be included. May be retaken to a maximum of eight hours.


430 Dramatic Literature. (3) A. Cross listed as ENG 430. Survey of the major periods and genres of world dramatic literature, from the Greeks to the present, selected readings from the major playwrights, critics, and theorists.

435 Acting IV. (3) A. Prerequisites: THE 235 and SPE 150. Advanced study and rehearsal in period styles. Practice in character analysis and technique for performance. Exact course content may vary with instructor or needs of students.

442 Independent Study in Play Direction. (1-3) A. Prerequisites: THE 341 and department approval. Direction of a studio or major production under faculty guidance. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

490 Special Topics in Theatre Arts. (1-3) A. Presentation of course material of a timely, specialized or topical nature. Specific coursework orientation will appear beside title. May be retaken to a maximum of nine hours, if the subject matter is different.

499 Independent Study in Theatre Arts. (1-3) I, II. Prerequisite: departmental approval. Independent study in theatre production and research. May be retaken to a maximum of six hours credit. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSE

805 Independent Study in Theatre Arts. (1-3) A.
The College of Business, one of the largest units within the University, offers a diverse set of academic opportunities for students. More than 60 full-time faculty provide a person-centered experience for students majoring in the College. The programs in the College of Business are designed to provide professional education for careers in business. Together with the general education requirements, the curriculum also provides an understanding of one’s cultural heritage and of the citizen’s role in a rapidly changing technology-driven society. Many graduates of the College have advanced to positions of prominence in their chosen fields.

GRADUATE EDUCATION
The College of Business, in cooperation with the Graduate School, offers the degree of Master of Business Administration. The Department of Administrative Communication and Services cooperates with the College of Education to offer the Master of Arts in Education degree for teachers of business.

THE FOUR-YEAR BACHELOR OF BUSINESS ADMINISTRATION DEGREE PROGRAM
Four-year programs leading to the degree of Bachelor of Business Administration are offered in accounting, administrative communication and services, computer information systems, economics, finance, general business, health care administration (in cooperation with the College of Allied Health and Nursing), insurance, management, marketing, real estate, and transportation and physical distribution. Pre-baccalaureate programs in business have been established to facilitate the admission of qualified students into these programs. Specific requirements for admission to Bachelor of Business Administration degree programs are listed below. A four-year program for secondary business teachers leading to the Bachelor of Science degree is also offered.

Blending interests in business and law
Many students planning to attend law school find undergraduate programs in business particularly good background for their legal study. Extensive course work in accounting is especially recommended for students with this goal.

International business
Students pursuing a Bachelor of Business Administration degree who desire to enter international business, by careful planning, may concentrate 11 to 23 hours in the history, geography, and language of a foreign trade area of greatest interest to them. Foreign trade area preparation is encouraged by and attractive to international business firms. Within this concentration, students are encouraged to include cooperative study assignment with an international business firm. Business students interested in a foreign trade area concentration should contact the College of Business advising office.

CENTRAL ADVISING OFFICE
Beth Spears, Manager
An important service to students majoring in business is the College of Business Central Advising Office (CAO). Located in Combs 326, the CAO is open daily to provide advice and assistance to pre-business and business majors. Students who decide to major in business will file a curriculum plan with the CAO and, with the assistance of professional counselors, will make course selections appropriate to their interests and in conformance with College requirements. The CAO staff will also assist students in making contact with College of Business faculty members who can provide advice on career matters and assist students in making elective course choices. During portions of the term, the CAO maintains evening hours for the convenience of part-time and other non-traditional students. Business majors should plan on familiarizing themselves with the services of the CAO early in their career at Eastern.

FINANCIAL AID
Students in the College of Business are eligible for financial aid and grants, as are all other students in the institution, and should contact the Financial Assistance office if interested.

FRESHMEN AND SOPHOMORES IN THE COLLEGE OF BUSINESS
Students desiring admission to a program leading to a Bachelor of Business Administration (BBA) degree must complete MAT 107 or 211; ENG 101 and 102, or 105; ACC 201, 202, ECO 220, 230, 231, CIS 212, and GBU 204. These students will be enrolled in a pre-baccalaureate business program. Pre-baccalaureate business program students shall declare an intended major within the College of Business. Entry into the pre-baccalaureate business program does not guarantee admission to a baccalaureate degree (BBA) program in the College of Business. To be admitted to the BBA program, the student must have completed a minimum of 60 semester hours of course work, including the following business pre-baccalaureate required courses: MAT 107 or MAT 211; ENG 101 and 102, or 105; ACC 201, 202, ECO 220, 230, 231, CIS 212, and GBU 204, and must have achieved a GPA of 2.25 in the ten business pre-baccalaureate courses, and an overall GPA of 2.0.
Students may register during the second semester of their sophomore year for upper division courses in the College of Business that are required for the Bachelor of Business Administration degree if they have completed at least 42 semester hours of college work and are enrolled in or have completed the ten courses listed above and enough additional work to include their 60th semester hour. If a student does not meet the requirement for full admission to a BBA program at the beginning of the semester for which the student has registered (i.e., completion of at least 60 semester hours of course work, completion of the 30 hour pre-baccalaureate core specified above, and the attainment of an overall 2.0 GPA with a 2.25 GPA in the business pre-baccalaureate core), the student will be required to withdraw, or will be administratively withdrawn, from upper division courses in the College of Business until satisfactorily completing all program admission requirements. Delay in completing the pre-baccalaureate business program could cause a delay or interruption of the student’s academic progression toward completing the BBA program.

TRANSFER STUDENTS AND STUDENTS FROM OTHER EKU COLLEGES

Transfer students must have completed at least 60 semester hours of coursework and all courses listed above to be eligible for admission into a Bachelor of Business Administration program. Admission requirements into BBA programs for transfer students shall be the same as those for students enrolling initially at Eastern Kentucky University, including an overall GPA of 2.0, with a 2.25 GPA in the business pre-baccalaureate core.

Transfer students and students from other colleges may be admitted to a pre-baccalaureate business program while they are qualifying for admission into a Bachelor of Business Administration program.

The College of Business considers lower division credits transferred to Eastern as lower division, even if Eastern offers what appears to be a comparable course at the upper division level. However, the Dean of the College of Business may accept individual courses at Eastern if the courses are validated using acceptable validation techniques. CLEP and departmental exams are examples of possible validation techniques. With specified courses in Real Estate and Accounting, the successful completion of advanced courses in the subject field for which the transfer course is a foundation or supporting requirement is an acceptable validation method. A successfully validated lower division transfer course may not be utilized to fulfill the 43 hour upper division graduation requirement.

Students from other colleges at Eastern Kentucky University wishing to change their program to a Bachelor of Business Administration must satisfy requirements specified for pre-baccalaureate business majors. Admission is based on completion of MAT 107 or 211; ENG 101 and 102, or 105; ACC 201, 202, ECO 220, 230, 231, CIS 212, and GBU 204; a total of at least 60 semester hours completed; and an overall GPA of 2.0, with a 2.25 GPA in the business pre-baccalaureate core.

Students from other colleges at Eastern Kentucky University who wish to enroll in an upper division course in the College of Business must have achieved at least junior standing and may enroll for no more than a total of nine hours of course work per semester.

ELIGIBILITY FOR READMISSION

Any student who is withdrawn from a Bachelor of Business Administration degree program and wishes to be readmitted must petition, in writing, the Admission Committee of the department responsible for the major. The petition must be filed in the department office by April 15 for summer term or fall semester entry and October 15 for spring semester entry. Readmission decisions may be appealed only on a procedural basis to the College of Business Admission Appeals Committee. Final appeal authority resides entirely within the College of Business. The College of Business Admission Appeals Committee shall be composed of one elected member from each department within the College of Business. The chair of this committee shall be selected by the members of the committee.

PREREQUISITE STRUCTURE IN THE COLLEGE OF BUSINESS

The curriculum in the College of Business is highly structured and carefully integrated. The content and methodology utilized in upper division junior and senior level courses is based upon an assumption that students participating in them have matriculated through a specific series of lower division freshman and sophomore level courses which provide students with competencies needed for successful participation in upper division courses within the College of Business.

Students who may enroll in upper division business courses include:

1. College of Business majors who have successfully completed the pre-business baccalaureate sequence with an acceptable GPA;
2. College of Business minors;
3. Students majoring in other departments whose planned curriculum includes (by virtue of agreements of sponsoring departments with the College of Business) selected business courses which support a non-business major or minor; non-business students must complete all lower division business courses required in their major prior to enrolling in any upper division business courses;
4. Students in the College of Social and Behavioral Sciences seeking the Bachelor of Arts degree in economics;
5. Those students who are not in categories one through four, above, and who obtain permission of the Dean of the College of Business or his/her designee to enroll in upper division College of Business courses.

Students who enroll in upper division College of Business courses, and who do not meet the eligibility requirements as outlined in one through five, above, are subject to having their enrollments in such courses cancelled by action of the Dean of the College, without notice, at any time during the term.

CURRICULUM CONCEPT FOR BUSINESS MAJORS

The prerequisite structure is an intricate part of the College of Business curriculum. It is very important for College of Business students to carefully plan his/her academic progress. A College of Business student generally completes the following courses during the indicated time frame.

Freshman year -
Complete CB0 100 in first semester
Begin Pre-Baccalaureate Core
Begin General Education

Sophomore year -
Finish Pre-Baccalaureate Core
Continue General Education
Apply to BBA Program

Junior year -
Begin College of Business Core, especially
MKT 300, MGT 300, and FIN 300
Begin Major Requirements
Sign Planned Curriculum
Senior year -
Complete College of Business Core
Complete Major Requirements
Complete GBU 480 in Final Semester
Apply for Graduation
MGT 300, MKT 300, and FIN 300 are "gateway" courses and provide the prerequisite for all other course work in these fields.

PLANNED CURRICULUM
Upon completion of 60 hours, a student must complete a planned curriculum (which specifies the remaining graduation requirements) which is initiated by contacting the Central Advising Office. Teaching majors must have been admitted to the Teacher Education Program prior to the preparation of a planned curriculum. Any subsequent change in the planned curriculum is proposed on forms available in the Central Advising Office and must be approved by your advisor, department chair, and the college dean.

DEGREE REQUIREMENTS
General University requirements described on page 31 in Part Three of this Catalog, as well as specific course requirements set forth in the description of curricula, must be met by students completing associate and baccalaureate programs administered by the College of Business. See programs under each department for major and minor requirements. Common to all programs is the Academic Orientation course (CBO 100) of the College of Business.

In order to be graduated with a Bachelor of Business Administration degree, students must apply to the office of the Dean of the College of Business. December graduates should apply the preceding April; May and August graduates should apply the preceding October. The requirements for the degree are as follows:
1. A 2.0 GPA must be maintained in all work taken in the College of Business.
2. Candidates for degrees must earn 30 of the last 36 hours at Eastern Kentucky University. This requirement may be waived by the Dean of the College of Business.
3. Hours earned by correspondence study are accepted upon written approval of the Dean. However, not more than 25 percent of the total hours applied toward the degree may be earned via correspondence or telecourse instruction, military credit, or credit by examination.
4. Not more than 60 percent of undergraduate course work shall be devoted to business, economics, and administration. However, up to nine hours of lower division economics will not be included in this 60 percent.
5. Completion of the business core and supporting course requirements.
6. At least 12 of the hours in the major must be earned at Eastern Kentucky University. A grade of "C" or higher is required in each course for credit toward the major.
7. Students must choose a major field at the time they enter the College of Business. The student's trial schedule for each semester must be approved by the Central Advising Office.
8. A second major can be completed in the College of Business or in another college of the university. A third business major will not be permitted. Because business students take the business core, they may not select a minor offered by the College of Business.
9. A signed planned curriculum.

APPLICATION FOR GRADUATION
Students must file an application for graduation in the dean's office no later than April 30 for December graduation and no later than October 31 for either May or Summer graduation. It will be the student's own responsibility to plan and register for the proper courses to meet all graduation requirements.

REQUIRED SUBJECTS
General Education
(Refer also to Index under General Education requirements.)
ENG 101 and 102, or 105; zero to three hours Symbolics of Information excluding CIS 212, ACS 201; nine to twelve hours Humanities; nine to twelve hours Social Science excluding ECO 230, ECO 231; nine to twelve hours Natural Science; and HPR 180, 282, HEA 281.

University Requirements
CBO 100 and eight hours of restricted electives to be met by MIL 101, 102, 202, and 203, or by electives to be chosen outside the College of Business.

Supporting Course Requirements
MAT 107 or 211 (MAT 211 also satisfies the math requirement for entry into the MBA program).

The Business Core: 45 hours
ACC 201, 202, or 301; CIS 212, ECO 220, 230, 231; and three hours selected from ECO 300, 324, 350, 351, 394 or 492; FIN 300, GBU 204, 480, MGT 300, 370, MKT 300; at the election of the major department CIS 390, ECO 330, or MGT 340.

CBO—Business Orientation
100 Academic Orientation. (1) I. Designed to orient the student to university academic life and afford background for career choice and preparation. Included are University regulations and calendar, Catalog details, registration and preregistration, various career opportunities, and program requirements. Open to all students during their first two semesters of enrollment at EKU; beyond that open to students with fewer than 30 semester hours earned.

COURSE PREREQUISITES
Students are urged to review carefully all course prerequisites, including the 60 hour rule, before scheduling 300-level courses (See Index under "Course Numbering"). These are necessary for the maintenance of quality teaching standards and must be observed. Failure to do so may result in the student's mandatory withdrawal from the course.

SATISFACTORY PROGRESSION AND REPEAT COURSE POLICIES
The College of Business limits the number of times a business major or minor may repeat a business core course. Normally, such courses may be repeated only once. Exceptions to this policy are rare and must be approved by the Dean of the College of Business.

For non-core courses, a student may enroll for a third or subsequent repeat only under unusual and extenuating circumstances, and only with the written approval of the Dean of the College of Business. Students outside the College of Business must also obtain written permission of the Dean of the College for third or subsequent repeats.

Courses to be submitted toward the accounting major may be repeated only once without the consent of the departmental chair.
Approval for any deletion of “F’s” previously earned in a College of Business course is contingent upon successful completion of that course.

BACHELOR OF SCIENCE IN BUSINESS EDUCATION (TEACHER CERTIFICATION)
The Department of Administrative Communication and Services, in cooperation with the College of Education, provides programs leading to certificates qualifying graduates to teach business subjects in the high school. Students in these programs must have a GPA of 2.5 on their record and (also in their required area or major) to be eligible for student teaching. Students following these programs must meet the business core requirements as noted. Students interested in business teacher certification should consult the Chair of the Department of Administrative Communication and Services.

COOPERATIVE EDUCATION
The College of Business participates in the University's cooperative education program. Enrollment is open only to College of Business majors. Cooperative education is an opportunity for students to enrich the standard curriculum with supervised and structured work experience highly correlated to their academic major. Students will be permitted to enroll in cooperative education courses sponsored by the College of Business only after a satisfactory job description, training plan, and agreement with a cooperating employer have been submitted. The Cooperative Education Coordinator in the College can provide advice and assistance for students wishing to meet these requirements or who need help in locating a cooperating employer offering relevant work experience.

Eligibility. Cooperative education courses in the College of Business are listed at the 300 level, which presumes that students seeking to enroll in them will have achieved junior level standing and will also have completed the business pre-baccalaureate core specified elsewhere in this section. Further, students must hold a cumulative GPA of 2.25 and obtain the approval of the appropriate department chair to be eligible to enroll in a cooperative education course.

Enrollment limits. Normally, a business major may only enroll for three hours of cooperative education credit in any one term. Students may re-enroll, usually with a different cooperating employer, in subsequent cooperative education courses to earn a maximum of six hours of academic credit. Eighty hours of supervised work experience must be documented for each semester hour of academic credit granted.

EVENING/WEEKEND STUDY IN THE COLLEGE OF BUSINESS
To meet the needs of working adults and others whose responsibilities limit access to daytime participation in college study, the College of Business offers courses and programs in the evening and on Saturday mornings. While many courses are available during these times, only two complete business majors can be pursued at this time: Management (General Business) and Accounting. By following a carefully developed plan, students who have the equivalent of two years of lower division course work completed can complete the remaining courses required for a BBA in these two fields through part-time evening/weekend study. See College of Business CAO for more information.

CORRESPONDENCE/TELEVISION COURSES
The College of Business participates in the University's efforts to extend learning opportunities to persons who may not be able to attend traditional campus-based classes. Details concerning which business and other courses are available through television and/or correspondence can be obtained through the Office of Extended Programs in the Jones Building. All enrollees in business-related correspondence or television courses must secure the permission of the Dean of the College of Business in order to enroll. A student failing such courses will be allowed only one opportunity to repeat any business-related correspondence or telecourse.

THE TWO-YEAR ASSOCIATE OF ARTS DEGREE PROGRAM
The College of Business, through its Department of Administrative Communication and Services, offers a two-year Associate of Arts degree program. The program offers an attractive alternative to the individual who is not interested in or not able to pursue a full four-year baccalaureate degree program. The Office Systems/Technologies program provides students with an attractively balanced program of study devoted to: (1) general education; (2) general business preparation; and (3) specific training oriented to the employment needs of people wishing to work in modern office support and administration roles.

Details concerning the program requirements are in the Department of Administrative Communication and Services section of the Catalog. Additional information about the program may be obtained from that department.

OFFICE SYSTEMS CERTIFICATE (ONE YEAR)
The office systems certificate of completion (non-degree) is offered by the Department of Administrative Communication and Services, and it can be completed in one year (two semesters and a summer). The certificate of completion allows students to develop a sound base of contemporary office skills.

MINORS IN THE COLLEGE OF BUSINESS
The College of Business sponsors minors in four areas. They include:

General Business
The business minor consists of 21 hours including six hours of prescribed courses, nine hours of required courses, and six hours of electives. The prescribed courses must be successfully completed prior to enrolling in any required or elective courses. Business minor students must also attain a cumulative GPA of 2.0 in those courses comprising the minor.

Prescribed Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 201</td>
<td>3</td>
</tr>
<tr>
<td>ECO 231</td>
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Required Courses

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</thead>
<tbody>
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<td>ACC 202, CIS 212, ECO 220, ECO 230, FIN 300, ACS 201</td>
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Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Six semester hours of upper division business courses for which prerequisites have been met</td>
<td>6</td>
</tr>
</tbody>
</table>

Economics

A minor in Economics may be taken by students enrolled in the College of Social and Behavioral Sciences pursuing a Bachelor of Arts degree. A student pursuing a Bachelor of Arts degree (teaching) may also minor in Economics. (See Department of Economics for requirements.)
Computer Information Systems
A minor in computer information systems is offered for students in colleges other than the College of Business. (See Department of Finance and Business Systems for requirements.)

Office Administration and Managerial Communication

These two minors (non-teaching degrees) are offered under the Department of Administrative Communication and Services.

Other combinations of business courses may be taken by students outside the College of Business. Such courses may then be listed on an employment application as a “concentration” of business courses but may not be designated as a “minor.”

GRADUATE COURSE CREDIT

Courses numbered in the 500 level series are open to seniors who meet course and program prerequisites. Additional appropriate experiences are required of all graduate students enrolled in the same course with undergraduates. To properly identify graduate credit for graduate students enrolled in the same course with undergraduates, the 700 level course numbering series is used. Courses numbered in the 800 level are open only to graduate students.

Health Care Administration

MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)

Major Requirements ............................................... 18 hours
ACC 300, 370, 375, ACS 280, ECO 570, MGT 320.

Business Core ...................................................... 45 hours
ACC 201, 202, ACS 201 or 300; CIS 212, ECO 220, 230, 231, 330, and three hours selected from ECO 300, 324, 350, 351, 394, or 492; FIN 300, GBU 204, 480, MGT 300, 370, MKT 300.

Supporting Course Requirements ...................... 12 hours
AHI 570, HEA 516, 555, MAT 107 or 211.

General Education Requirements ..................... 43 hours
Standard general education program, excluding course category 03. Refer to Part Three of this Catalog for details on General Education and University requirements.

University Requirements ................................. 9 hours
CBO 100; eight hours of restricted electives.

Cooperative Study .............................................. 4 hours

Total Curriculum Requirements ..................... 131 hours

Accounting

MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)

Major Requirements ............................................... 31 hours
ACC 250, 301, 302, 322, 323, 327, 350, 401, 425, 441, and either 442, 521, 527, or 540.

Business Core ...................................................... 45 hours
ACC 201, 202, ACS 201 or 300, CIS 212, ECO 220, 230, 231, 330, and three hours selected from ECO 300, 324, 350, 351, 394, or 492; FIN 300, GBU 204, 480, MGT 300, 370, MKT 300.

Supporting Course Requirements ...................... 3 hours
MAT 107 or 211.

General Education Requirements ..................... 43 hours
Standard general education program, excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ................................. 9 hours
CBO 100; eight hours of restricted electives.

Total Curriculum Requirements ..................... 131 hours

Course Descriptions

ACC—Accounting

201 Principles of Accounting. (3) I, II. Fundamental accounting relationships; completion of the accounting cycle; accounting process for merchandise enterprise; receivables, payables and inventories; deferrals, accruals, and intangible assets.

202 Principles of Accounting. (3) I, II. Prerequisite: ACC 201. Accounting systems, concepts, and principles; formation, organization, and operations of partnerships and corporations; departments and branches; statement analysis, cost and manufacturing accounting.

210 Accounting for the Paralegal Profession. (3) II. Prerequisite: ACC 201. Selected topics of relevance of business entries; matters relating to estates and trusts; selected topics pertaining to real estate.

250 Introductory Accounting/Computer Applications. (1) I, II. Prerequisite: ACC 201. Computer spreadsheets and basic accounting applications.
280 Tax Planning. (3) I. A basic course in history, concepts, and theory of the tax law. The tax effect of business decisions for the individual, sole proprietorship, partnership, corporations, and fiduciaries.

300 Managerial Accounting. (3) I, II. Prerequisite: ACC 202 with minimum grade of "C." Accounting structure and systems; the uses and interpretation of financial statements; accounting and management control; accounting in the decision making process. May not be taken by accounting majors.

301 Principles of Accounting-Intermediate. (3) I, II. Prerequisites: ACC 202 and ACC 250 with minimum grade of "C." Financial statements, current assets, investments, current and long-term liabilities, acquisitions, use and retirement of plant and equipment.


322 Tax I. (3) I, II. Prerequisite: ACC 202 with minimum grade of "C." Income tax legislation-Federal and State; returns for individuals; gross income; basis and determination of gain or loss; capital gains and losses; dividends, deductions; withholding.

322 Tax II. (3) I, II. Prerequisite: ACC 322 with minimum grade of "C." Cost, flow and cost systems; the cost accounting cycle; basic cost determination systems and procedures; standard costing; budgeting and decision making applications.

330 Taxation of Real Estate. (3) I. Prerequisite: instructor approval. A specialized course in tax and accounting problems encountered in real estate transactions and tax shelters. The student needs will determine the primary emphasis.

331 Taxation of Natural Resources. (3) II. Prerequisite: instructor or departmental approval. Emphasis on accounting and tax problems of the oil and gas, solid mineral, timber, and other waste asset industries.

349 Cooperative Study in Accounting. (1-4) A. Co-curricular work experience under faculty and field supervisors in placements related to academic studies. Training plan required. Normally one to four hours credit per semester or summer. Minimum 80 hours work required for each academic credit.

350 Accounting Information Systems. (3) I, II. Prerequisites: ACC 202 and junior standing. The conceptual foundations of accounting information systems, the technology, the systems management of accounting information systems.

370 Health Agency Accounting. (3) II. Prerequisite: ACC 202. Complexities of health agency accounting including: accounting for cost, patient revenues, third party reimbursement programs, and public rate regulation procedures.

375 Seminar In Health Care Administration. (3) A. Prerequisite: ACC 200 with a minimum grade of "C." Individual and group investigation of contemporary problems, issues and trends in selected health care facilities.

390 Internship In Accounting. (4) II. Prerequisites: "B" average and departmental approval. By invitation only.

401 Principles of Accounting-Advanced. (3) I, II. Prerequisite: ACC 300 with a minimum grade of "C." Partnerships; home office and branch relationship; corporate combinations; consolidated balance sheet; special problems with consolidated statements; foreign branches and subsidiaries.

425 Readings in Accounting. (3) I, II. Prerequisite: ACC 401 with a minimum grade of "C." Emphasis on a conceptual understanding of accounting principles using literature published by the AICPA, FASB, and current writers. Accounting history, SEC, legal liability, conceptual framework, SFAS's and APB's.

441 Auditing I. (3) I, II. Prerequisites: ACC 302 and ECO 220 with minimum grades of "C." Professional ethics; accountant’s legal responsibility; internal control; general arrangement and procedure of an audit; audit accounts; liability accounts; operating accounts; the audit report.

442 Auditing II. (3) II. Prerequisite: ACC 441 with a minimum grade of "C." Application to auditing of internal control, statistical sampling, computer techniques and audit reports.

490 Special Problems in Accounting. (1-6) A. May be taken under different subtopics to a cumulative maximum of six hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

500 Public School Accounting. (3) A. Study in accounting and fiscal procedures for public schools.

521 Fund Accounting. (3) I. Prerequisite: ACC 202 with a minimum grade of "C." Advanced study in accounting and fiscal procedures for institutions and federal, state, county, and municipal governments.

525 Accounting Problems. (3) II. Prerequisite: ACC 302 with a minimum grade of "C." An advanced course; the contents will be determined by the needs of the students registering for it.

527 Managerial Cost Accounting. (3) A. Prerequisite: ACC 327 with a minimum grade of "C." Advanced problems in cost, budget, distribution costs, measurements of departmental efficiency, and analysis of cost information for managerial decisions.

540 CPA Law. (3) I, II. Prerequisites: strong accounting background and instructor approval. Law as it relates to the accounting profession. Cases used from previous examinations given by the AICPA. Emphasis on short cuts and suggestions for time-saving on the examination.

550 Accounting for Non-Profit Organization. (3) II. General theory of budget implementation, and reporting as well as internal control and other significant areas for not-for-profit organizations.

GRADUATE COURSES

700 Public School Accounting. (3) II.
721 Fund Accounting. (3) I.
725 Accounting Problems. (3) II.
727 Managerial Cost Accounting. (3) A.
740 CPA Law. (3) I, II.
750 Accounting for Non-Profit Organizations. (3) II.
820 Survey of Accounting. (3) I.
850 Managerial Accounting. (3) II.
855 Advanced Auditing. (3) II.
857 Research in Taxes. (3) I.
858 Accounting Theory. (3) II.
860 Seminar in Accounting. (3) A.
890 Special Problems in Accounting. (1-6) A.

DEPARTMENT OF ADMINISTRATIVE COMMUNICATION AND SERVICES

A. Patrick, Chair; Adkins, Davis, Gump, Hartman, Jennings, Jones, Vice.

The objectives of the Department of Administrative Communication and Services are to prepare—professionals for positions involving analysis, design, implementation, management, and evaluation of office systems; future business managers who have expertise in the critically important skills of written and oral communication; skilled support personnel to fulfill automated office functions; qualified, certified secondary school business teachers.

Students may major in four-year programs in administrative services, managerial communication, or business education or in a two-year office systems/technologies program. A one-year, non-degree office systems certificate of completion and non-teaching minors are also offered.
ADMINISTRATIVE COMMUNICATION AND SERVICES PROGRAM

The Bachelor of Business Administration degree with an option in Administrative Services is designed to prepare graduates for professional and managerial office-related tasks including analyzing office systems; planning for and designing appropriate office systems; implementing new office technologies; evaluating and managing office systems; and training personnel in the use of appropriate procedures, equipment, and human relations skills to improve office worker productivity.

An option in Managerial Communication is designed to prepare business graduates who have expertise in the critically important managerial functions of written and oral communication. In addition to having a broad business background provided by the Bachelor of Business Administration business core, graduates of this option will be prepared in specialized areas of managerial communication including reporting, letter, and memorandum writing; oral presentations; interview and meeting techniques; public relations writing; company publications; and desktop publishing.

Administrative Communication and Services
MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)

Major Requirements ........................................21-24 hours
Administrative Communication and Services
Core ..........................................................6 hours
ACS 300 and three hours of ACS 349+ ; 460+, or elective approved by department chair.
Options
Administrative Services ....................................18 hours
ACS 240, 250, 290, 340, 420, and 490.
Managerial Communication ................................15 hours
ACS 450, COM 400, PUB 380, SPE 300, and 350.
Business Core ..............................................45 hours
ACC 201, 202, ACS 201, CIS 212, ECO 220, 230, 231, 324,
FIN 300, GBU 204, 480, MGT 300, 370, MGT 300; CIS 390,
or ECO 330, or MGT 340.
Supporting Course Requirements ........................6 hours
Administrative Services Option
CIS 230; MAT 107 or 211.
Managerial Communication Option
MAT 107 or 211; PHI 380.
General Education Requirements ........................43 hours
Standard General Education program, excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.
University Requirements .................................9 hours
CBO 100; eight hours of restricted electives.
Free Electives ..............................................1-4 hours
Total Curriculum Requirements ........................128 hours
+ NOTE: ACS 349 or ACS 460 is required if appropriate internship or co-op experience can be arranged.

MANAGERIAL COMMUNICATION MINOR

The managerial communication minor is offered for business (BBA and BS) majors who want to increase their communication effectiveness in their major field of study. The minor is designed to provide training in interpersonal communication, oral and written presentations, research and reporting, and production of other business publications/communications. These skills are transferrable to any profession and are crucial in tasks such as communicating organizational change, establishing and implementing goals, internal communication, relating to employees, dealing with the public, and addressing the media. The managerial communication minor consists of the following courses (18 hours): ACS 201 or 300 (whichever has not been completed as part of the business core): ACS 450, PUB 380, SPE 200, 300, and 350.

OFFICE ADMINISTRATION MINOR

A non-teaching office administration minor consists of the following courses (18 hours): ACS 107, 201, 240, 260, 290, and 303 or 560.

BUSINESS EDUCATION PROGRAM

The Department, in cooperation with the College of Education, provides programs leading to a Bachelor of Science degree and certificates qualifying graduates to teach business education at the secondary level. Students may complete a teaching major in basic business or in secretarial studies. Students who desire to qualify as teachers for federally reimbursed vocational business education programs complete one of these majors; however, they must also have the equivalent of a year (2,000 hours) of appropriate office work experience.

In order to be admitted to a business teacher education program, and to be eligible for student teaching, students must have a 2.5 GPA on their entire record and also in their teaching field or fields. All business education majors must satisfactorily complete competency examinations and the National Teacher Examination. Student teaching in Business Education is done in the fall only.

Business Education
MAJOR (BACHELOR OF SCIENCE)

Major Requirements ......................................45-51 hours
Business Education Core ................................42 hours
ACC 201, 202, ACS 107, 201, 290, ECO 220 (MAT 107 prerequisite waived with strong algebra background), 324, GBU 204, 480, FIN 300, MGT 300, 370, MGT 300, CIS 390 or ECO 330 or MGT 340. One of the following options must be chosen:
Options
Basic Business ...........................................3 hours
ACS 260.
Secretarial Studies .......................................9 hours
ACS 200, 303, and equivalent of the second (intermediate) college-level shorthand course.
Supporting Course Requirements ........................9 hours
CIS 212, ECO 230, and 231.
Teacher Education Requirements ........................29 hours
Basic Business
EDF 102, 202, 317, EPY 318, ESE 470, 471, 498, and 499.
Secretarial Studies
EDF 102, 202, 317, EPY 318, ESE 470, 472, 498, and 499.
General Education Requirements ........................37 hours
Standard General Education program, excluding course categories 03, 09, and 12. Refer to Part Three of this Catalog for details on the General Education and University requirements.

BUSINESS
The following courses (36 semester hours) are required for this program:
+Credit by exam may be earned for these courses. Students who already have the
knowledge and skills which are developed in these courses and who can
demonstrate acceptable proficiency on a CLEP or departmental exam will be
awarded course credit.
**Credit for these courses may be earned by correspondence through the
Extended Programs Division.
***Students who have basic keyboarding/typewriting skills may be able to bypass
this course.

Course Descriptions
ACS—Administrative Communication and
Services
101 Introduction to Business. (3) I, II, Formerly OAD 101. A survey of
the functional areas of business administration. For the student who
has no background in business.
Development of keyboard manipulation skills for data entry on comput-
ers. Touch techniques stressed for alpha-numeric keyboard control.
Four hours in class each week for five weeks. ACS 105 is not a
substitute for ACS 106.
106 Beginning Keyboarding/Typewriting. (3) I, II, Formerly OAD
151. Development of basic touch keyboarding skills for using com-
puters and typewriters; introduction to formatting letters, term papers,
and tables.
107 Intermediate Keyboarding Typewriting. (3) I, II, Formerly OAD
152. Prerequisite: ACS 106. Continued emphasis on speed and ac-
curacy building; increased emphasis on business forms, letters, manu-
scripts, reports, tables, text editing, and the ten-key numeric keyboard.
200 Professional Keyboarding/Typewriting. (3) I, II, Formerly OAD
253. Prerequisite: ACS 107. Increased emphasis on realistic office
keyboarding applications which require planning and decision making
in using electronic typewriters and microcomputers.
201 Business Communication. (3) I, II, Formerly OAD 201. Prereq-
usites: ENG 101 and 102, or 105. Principles and practices of modern
business communication; various types of business letters and reports
are studied; emphasis on writing letters and reports. Gen. Ed. 03.
240 Records Management. (3) I, II, Formerly OAD 240. Creation,
classification, retention, protection, and disposal of records; filing sys-
tems, procedures, and equipment; effects of technology on information
management; facilities layout; records personnel administration; rec-
dords control.
250 Office Systems and Technology. (3) I, II. An overview of office
systems—technology, people, and procedures—with organizational
and environmental contexts. Improvement of productivity through ap-
propriate application of office tools and techniques. Major technolo-
gies that support information creation, storage, retrieval, manipulation,
and distribution.
254 Business and Office Calculations. (3) A. Formerly OAD 254.
Development of competency in business computations such as bank
and sales records, discounts, commissions, markups, credit charges,
payroll, taxes, depreciation, insurance, stocks, bonds, interest, and
present value.
260 Office Services. (3) I, II, Formerly OAD 260. Prerequisite: ACS
107. Development of proficiency in the office services of machine
transcription, filing, and reprographics.
280 Office Procedures and Administration. (3) A. Formerly OAD
280. Procedures, technologies, human relations, and services of mod-
ern, dynamic offices.
Prerequisites: ACS 250 and CIS 230, or instructor approval. Applica-
tions of office automation technologies from the user perspective to
enhance productivity of office employees are presented. Relationships
of organizational goals to automated technologies.
300 Managerial Reports. (3) I, II, Formerly OAD 300. Prerequisites:
ENG 101 and 102, or 105. Applications of communication theory,
research methods, and information technology to communication within
organizations. Includes common communication tasks faced by man-

Office Systems/Technologies
ASSOCIATE OF ARTS
Major Requirements .................................................33 hours
Supporting Course Requirements ................................32 hours
CBO 100, ACC 201, CIS 230, ECO 120 or 130*, six hours of
English composition*, SPE 200*, three hours general educa-
tion humanities*, three hours general education natural sci-
ence* or MAT 107*, four hours of restricted electives, and
three hours of ACC 202, ACS 280, 349, ECO 230, 231, or
GBU 204.
Total Curriculum Requirements .....................................65 hours

OFFICE SYSTEMS CERTIFICATE*
The office systems certificate of completion, which can be
completed in one calendar year (two semesters and a sum-
mer), allows students to develop a sound base of contem-
porary office skills including keyboarding/typewriting, word
processing, office services, records management, and knowl-
dge of office systems and technology. This one-year sequence
consists of university-level credit which will be considered for
acceptance toward two-year or four-year degree programs for
students who may subsequently decide to pursue degree
programs.

* A proposal to classify this as a formal certificate program is pending.
agers; communication task and audience analysis; collecting, organizing, analyzing, and interpreting data. Emphasizes written and oral reporting.

303 Integrated Office Operations. (3) A. Formerly OAD 303. Prerequisite: ACS 107. Provides opportunities for students to study, understand, and experience a wide range of activities appropriate for modern office operations. Refined and application of skills and knowledge for effective and efficient operation of office systems.

340 Office Systems Planning. (3) A. Prerequisite: ACS 250. Office systems planning emphasizes workgroup interaction and implementation process, tactics, and strategies. Involves applications through case or field-based projects. Office systems productivity assessment; intergroup needs related to end-user, departmental, divisional, and organizational goals.

349 Cooperative Study in Administrative Services. (1-3) A. Formerly OAD 349. Prerequisites: GPA of 2.25; sophomore classification for associate degree; junior classification for baccalaureate degree. Supervised co-curricular work experience. Training Plan required. Minimum 80 hours work required for each academic credit. May be retaken to a maximum of six hours.

420 Training in Office Systems. (3) A. This course applies theories of learning and instructional development to office systems employee education and training. Topics include instructional design; strategy; technology; and the implementation, evaluation, and management of training in an organizational environment.

450 Managerial Communication Seminar. (3) A. Prerequisites: senior standing; ACS 201, 300; SPE 300. A capstone course which applies business competencies and emphasizes analysis, application, and integration of communication processes, methods, media, and strategies in managerial decision making.

460 Administrative Services Internship. (2-4) A. Formerly OAD 360. Prerequisites: GPA of 2.25, ACS 201, 300, and departmental approval. Internship experiences appropriate for the student's major. Enrollment is limited to students majoring in the Department of Administrative Communication and Services.

480 Integrated Office Systems. (3) A. Prerequisites: ACS 290, 300, 340. This capstone course requires synthesis and applications of concepts related to current office systems topics.

560 Office Management. (3) A. Formerly OAD 560. Function and organization of offices; office layout and equipment; personnel; work simplification and control; technology in the office; planning, organizing, and controlling office services; systems and jobs analysis.

580 Special Problems in Administrative Services. (1-4) A. Formerly OAD 580. May be retaken under different subtopics to a cumulative maximum of six hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

**GRADUATE COURSES**

760 Office Management. (3) A. Formerly OAD 760.

780 Special Problems in Administrative Services. (1-4) A. Formerly OAD 780.

850 Business Research and Communication. (3) I, II. Formerly OAD 850.

880 Independent Study in Administrative Services. (1-4) A. Formerly OAD 880.

**DEPARTMENT OF BUSINESS ADMINISTRATION**


The Department of Business Administration offers courses in general business, management, marketing, and transportation and physical distribution leading to the Bachelor of Business Administration degree.

The Department of Business Administration participates in the Master of Business Administration program. A detailed description of this program is presented in the Graduate Catalog.

**GENERAL BUSINESS PROGRAM**

The Bachelor of Business Administration degree in general business is designed to provide the student with a broad overview of the basic functions of business administration. Graduates may qualify to fill general administrative positions in business or to operate small businesses.

The general business major consists of 18 hours above the business core. All courses submitted toward the major must be completed with a grade of "C" or higher. At least 12 of the hours in the major must be earned at Eastern Kentucky University.

**General Business MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)**

**Major Requirements**

- 18 hours

- Six hours FIN; six hours MGT; six hours MKT; all in addition to the business core and approved by advisor.

**Business Core**

- 45 hours

- ACC 201, 202; ACS 201 or 300; CIS 212, ECO 220, 230, 231, and three hours selected from ECO 300, 324, 350, 351, 394 or 492; FIN 300, GUB 204, 480, MGT 300, 340, 370, MKT 300.

**Business Electives**

- 9 hours

- Suggested electives include ACC 300, CIS 380, ECO 300, INS 370, RST 310 or TPD 315.

**Supporting Course Requirements**

- 3 hours

- MAT 107 or 211.

**General Education Requirements**

- 43 hours

- Standard General Education program, excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.

**University Requirements**

- 9 hours

- CBO 100; eight hours of restricted electives.

**Free Electives**

- 1 hour

**Total Curriculum Requirements**

- 128 hours

**Course Descriptions**

**GBU—General Business**

204 Legal Environment of Business. (3) I, II. Prerequisite: minimum 45 hours. Law and the legal system; social forces that make the law; business response to the social and legal environment. Focus on government regulation and federal regulatory agencies which impact business decision-making.


311 Law of Commercial Transactions. (3) II. Principles for law of personal property transfers, negotiable instruments, secured transactions, the application of the Uniform Commercial Code and business transactions, bankruptcy, and governmental regulation.

349 Cooperative Study in General Business. (1-3) A. Prerequisites: minimum GPA 2.25 and BBA major, only. Co-curricular work experience under faculty and field supervisors—Training Plan required. May be retaken to a maximum of six hours. Minimum 80 hours work required for each academic credit. May not count toward major.

359 Seminar in Business. (1-3) A. A carefully selected topic of special and contemporary interest to business students. May be retaken under different subtitles to a cumulative maximum of nine hours.
Graduate Course
850 Legal, Ethical, and Social Environment of Business. (3) I. 851 Business Policy. (3) II.

Management Program
The primary objective of the Bachelor of Business Administration degree in management is to extend the business core concepts to the management of various types of profit and non-profit organizations. This objective is further constricted to act as an integrating mechanism for the various business functions and to equip the student with the necessary conceptual tools for the identification, analysis and solution of business problems. Within the management major, students are given the opportunity to develop general administrative skills, to acquire skills needed in personnel administration, or to improve the decision making skills required in production/operation management.

All courses submitted toward the major must be completed with a grade of "C" or higher. At least 12 of the hours in the major must be earned at Eastern Kentucky University.

Management Major (Bachelor of Business Administration)
Major Requirements .................................................. 18 hours
MGT 320, 400, 480, and nine hours of MGT electives above core determined with advisor.

Business Core .......................................................... 45 hours
ACC 201, 202, ACS 201 or 300; CIS 212, ECO 220, 230, 231, and three hours selected from ECO 300, 324, 350, 351, 394 or 492; FIN 300, GBU 204, 480; MGT 300, 340, 370, MKT 300.

Business Electives .................................................. 9 hours
Supplement to the student's major.

General Education Requirements .................................. 43 hours
Standard General Education program, excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements .......................................... 9 hours
CBO 100; eight hours of restricted electives.

Free Electives ..................................................... 1 hour
Total Curriculum Requirements .................................. 128 hours

Course Descriptions
MGT—Management
220 Introduction to Management. (3) I, II. Non-business majors, only. Introduces management concepts, theories, systems, and functions related to the performance of businesses and other organizations in dynamic environments. Cannot be used for credit toward BBA degree.
300 Principles of Management. (3) I, II. Management principles with emphasis on organization theory, human relations, interpersonal communications, production, business ethics, development of management thought, and managing in the international arena.
320 Human Resource Management. (3) I, II. Prerequisite: MGT 300. Survey of principles and practices in the areas of human resource planning, job analysis, recruitment, selection, training and development, performance appraisal, compensation, labor relations, safety and health, equal employment opportunity, and personnel research.
330 Small Business Management. (3) I, II. Prerequisite: MGT 300. Small business organization, location, financial planning, records, unit costs, merchandising, credit, and personnel policies.
340 Management Science. (3) I, II. Prerequisite: MGT 300 and ECO 220. Theory and application of quantitative techniques utilized in business decision making; emphasis on problem formulation and modeling, linear programming, queueing theory, statistical analysis, simulation. Credit will be awarded only for MGT 340 or ECO 330 or CIS 390.
349 Cooperative Study in Management. (1-3) A. Prerequisites: minimum GPA 2.25 and BBA major, only. Co-curricular work experience under faculty and field supervisors—Training Plan required. May be retaken to a maximum of six hours. Minimum 80 hours work required for each academic credit. May not count toward major.
370 Operations Management. (3) I, II. Formerly MGT 310. Prerequisite: MGT 340 or ECO 330 or CIS 390. Production and operations functions in both manufacturing and non-manufacturing organizations; systems concept; facilities location and layout; human factors; forecasting; production planning and control; inventory control; work measurement and standardization; management control systems; and quality assurance.
400 Organization Theory. (3) I, II. Prerequisite: MGT 300. Principles of organization design as they relate to goals and strategy formulation, environmental conditions, technology, job design, control systems, and decision making.
406 Managerial Systems Analysis. (3) I. Prerequisite: MGT 340. Advanced methods and techniques used to analyze environmental change, monitor, and analyze organizational performances, control resources, and otherwise direct the management of complex organizations.
410 Labor Relations. (3) II. Formerly MGT 324. Prerequisite: MGT 320. Study of labor-management relationships, including union organization campaigns, contract negotiations, grievance and arbitration procedures, labor-management cooperation, and union-free environments.
425 Compensation Management. (3) II. Prerequisite: MGT 320. Advanced study of the human resource function of employee compensation, including job analysis and evaluation, plan design and implementation, and payment systems. Credit will be awarded only for MGT 425 or CIS 330 or CIS 430.
430 Comparative Management Practices. (3) II. Prerequisite: MGT 300. Study of human resource management functions from a comparative perspective, including international management practices, especially development and implementation of effective and legal selection systems; and applied research methods for data gathering, analysis and reporting.
450 Management Seminar. (1-3) A. Formerly MGT 550. May be retaken under different subtopics to a cumulative maximum of nine hours. Selected topics in contemporary management literature.
455 Employee Staffing and Research. (3) A. Prerequisite: MGT 320. Advanced study of the human resource management functions of staffing and research. Topics include recruitment, design and implementation of effective and legal selection systems; and applied research methods for data gathering, analysis and reporting.
480 Organization Behavior. (3) I, II. Formerly MGT 500. Prerequisite: MGT 300. Determinants and consequences of behavior in business organizations are analyzed in the contemporary language of
administrative social systems and models. Interdependence of economic, social, and behavioral factors is emphasized.

490 Special Problems In Management. (1-4) A. Formerly MGT 590. Prerequisite: advisor departmental approval. May be retaken under different subtopics to a cumulative maximum of six hours. Independent work, special workshop, special topics, or seminars. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSES

821 Organization and Management. (3) II.
824 Production and Quantitative Methods in Operations. (3) I.
850 Administrative Analysis in Organizations. (3) I.
854 Advanced Management Concepts. (3) II.
890 Independent Study in Management. (1-4) A.

MARKETING PROGRAM

The Bachelor of Business Administration degree in marketing is designed to prepare the student for a career in the field of marketing by developing decision-making skills in the marketing functions of buying, selling, advertising, promotion, marketing research, pricing, retailing, sales force management, packaging, and distribution. Within the marketing major, the student may select courses which develop decision-making skills required for careers in one or more of the following areas:

1. General marketing management of various types and sizes of organizations.
2. Advertising, advertising copy production, and promotion.
3. Retail store management.

All courses submitted for the major must be completed with a grade of "C" or higher. At least 12 hours of the major must be earned at Eastern Kentucky University.

Marketing

MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)

Major Requirements .................................................. 18 hours
MKT 450, 455, 460 and nine hours selected from the following courses: MKT 304, 310, 315; 324 or COM 325; 400, 404, 408; 426 or COM 450; or 440 determined with advisor.

Business Core .................................................. 45 hours
ACC 201, 202, ACS 201 or 300; CIS 212; ECO 220, 230, 231, and three hours selected from ECO 300, 324, 350, 351, 394 or 492; FIN 300, GBU 204, 480, MGT 300, 340, 370, MKT 300.

Business Electives .................................................. 9 hours
Supporting Course Requirements .......................... 3 hours
MKT 107 or 211.

General Education Requirements ......................... 43 hours
Standard General Education program, excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements .................................. 9 hours
CBO 100; eight hours of restricted electives.

Free Electives .................................................. 1 hour
Total Curriculum Requirements ........................... 128 hours

Course Descriptions

MKT—Marketing

200 Introduction to Marketing. (3) I, II. Non-business majors only. Introduces basic concepts and principles of marketing. Prerequisite: ECO 220.

300 Marketing. (3) I, II. Prerequisite: ECO 220. An introduction to the marketing of goods and services in advanced market economics, study of the marketing mix, pricing, distribution, selling, promotional activities, consumer behavior, and marketing research.

304 Retailing. (3) I, II. Prerequisite: MKT 300. Principles of retailing from the marketing perspective; types of retail businesses; organizations; location; layout; management of operations, inventory, personnel, promotion, and control.

310 Personal Selling. (3) I, II. Prerequisite: MKT 300. Personal selling in marketing; the selling process; stressing the modern, international sales/marketing approach to customer society oriented problem solving.

315 Physical Distribution Management. (3) II. Cross listed as TPD 315. Prerequisite: MKT 300. Movement and storage of goods; coordination and control of inventory, customer service, packaging, materials handling, financial aspects of modern distribution. Prerequisites: MKT 300, ECO 220. Credit will not be awarded for both MKT 324 and COM 325.

349 Cooperative Study in Marketing. (1-3) A. Prerequisite: minimum GPA 2.25 and BBA major only. Co-curricular work experience under faculty and field supervisor's training plan, credit to be determined in 6 hour maximum. Minimum 80 hours work required for each academic credit. May not count toward major.

400 International Marketing. (3) I. Prerequisite: MKT 300. Determination of marketing strategy by United States firms and multinational corporations for serving foreign markets and for adapting to variations in cultural and economic factors affecting foreign marketing efforts.

404 Retailing Management. (3) I, II. Prerequisite: MKT 304. Investigation of current problems faced by retailers in store operations, management, retail buying, and inventory control. Outside readings, oral and written case studies, and field trip experiences are required.

408 Sales Management. (3) II. Prerequisite: MKT 310. Sales function in modern organizations with emphasis on current management techniques; time management, on-the-job coaching, directing the sales force to sell key accounts, situational analysis, and decision-making.

426 Advertising Campaigns. (3) II. Prerequisite: MKT 324 or COM 325. Actual planning and execution of a complete advertising campaign involving the development of budgets, media scheduling, copy and script writing, layout work, taping of radio and television commercials, and presentation of campaign to client (instructor). Credit will not be awarded for MKT 426 and COM 450.

440 Industrial Marketing. (3) A. Prerequisite: MKT 300. An analysis of the marketing structure for industrial products. Product lines, channels of distribution, selling, pricing, and wholesaling problems.

450 Consumer Behavior in Marketing. (3) I, II. Prerequisite: MKT 300. Role of consumer decision-making as it affects the marketing firm; basic concepts of consumer behavior and interrelationships that exist between marketing and the behavioral sciences.

455 Marketing Research and Analysis. (3) I, II. Formerly MKT 500. Prerequisites: MKT 300 and ECO 220. The role of research in marketing decision-making; the research process, with emphasis on collection, analysis, and interpretation of data as applied to solving marketing problems. Students are required to do a research project.

460 Marketing Management. (3) I, II. Formerly MKT 504. Prerequisite: MKT 300 or departmental approval. The strategic marketing planning process involving analysis of the changing market place; analysis of alternative strategies to meet the needs of target markets; and the profitable execution of the marketing plan.

490 Special Problems in Marketing. (1-4) A. Formerly MKT 590. Prerequisite: advisor departmental approval. May be retaken under different subtopics to a cumulative maximum of six hours. Independent
work, special workshop, social topics, or seminars. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSES
820 Survey of Marketing. (3) II.
850 Marketing Problems. (3) II.
890 Independent Study in Marketing. (1-4) A.

TRANSPORTATION AND PHYSICAL DISTRIBUTION
MANAGEMENT PROGRAM

The Bachelor of Business Administration degree in Transportation and Physical Distribution is designed to attain the following objectives: (1) develop an awareness and understanding of the theories, techniques, and problems associated with moving people and goods from the viewpoint of industrial shippers, transportation carriers, and the government; (2) develop an awareness of the functional relationships of transportation and distribution management to other business functions, to the total system of the firm, and to the nation’s economy; (3) provide a learning experience which combines the theoretical framework of the classroom and the applied laboratory of the business environment; and (4) provide students with the knowledge and skills needed for successful careers in transportation, carrier management, traffic management, physical distribution and government regulation of transportation.

The transportation and physical distribution major consists of 18 hours above the business core. All courses submitted for the major must be completed with a grade of “C” or better. At least 12 hours in the major must be earned at Eastern Kentucky University.

Course Descriptions

TPD—Transportation and Physical Distribution

315 Physical Distribution Management. (3) II. Cross listed as MKT 315. Prerequisite: MKT 300. Movement and storage of goods, coordination and control of inventory, customer service, packaging, materials handling, facility location, flow of information, and transportation.

330 Principles of Transportation. (3) I. Prerequisite: MKT 300. Various forms of transportation and institutional factors influencing transportation decisions. Regulations, public policy, rate making, services, and the integration of transportation with other elements of business.

349 Cooperative Study in Transportation and Physical Distribution. (1-3) A. Prerequisites: minimum GPA 2.25 and BBA major, only. Co-curriculum work experience under faculty and field supervisors. Training Plan required. May be retaken to a maximum of six hours. Minimum 80 hours work required for each academic credit. May not count toward major.

430 Traffic Management. (3) II. Prerequisite: TPD 330. Industrial and carrier functions relating to buying/selling transportation services; legal duties; sources of information and tools available for solving transportation problems.

450 Transportation Law and Regulation. (3) I. Prerequisite: TPD 330. Evolution and development of federal and state laws in the transportation industry. Current regulatory environment affecting decision making for carriers and industry.

490 Special Problems in Transportation and Physical Distribution. (1-4) A. Formerly TPD 590. Prerequisite: advisor/departmental approval. May be retaken under different subtopics to a cumulative maximum of six hours. Independent work, special workshops, special topics, or seminars related to transportation/physical distribution. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSE

890 Independent Study in Transportation and Physical Distribution. (1-4) A.

DEPARTMENT OF

ECONOMICS

Chair; Dickey, Engle, Karns, Morrow, Shadoan, Sharp, Vaughan, Watkins, Webster, Wright, Wuilleumier.

The curriculum in economics is designed to increase the student’s understanding of economic principles and to prepare the student for employment in the fields of business, banking, and government. Also, the program is designed to give the student an adequate background for graduate study.

A student may major in economics while pursuing the following degrees: (1) Bachelor of Arts degree in the College of Social and Behavioral Sciences; (2) Bachelor of Arts degree (Teaching); and (3) Bachelor of Business Administration degree in the College of Business. A minor in Economics is available to students pursuing a: (1) Bachelor of Arts degree in the College of Social and Behavioral Sciences or (2) Bachelor of Arts degree (Teaching).

At least 12 of the hours in the major must be earned at Eastern Kentucky University. Students pursuing the Bachelor of Business Administration degree or the Bachelor of Arts Degree must make a grade of “C” or higher in all courses counted toward a major in economics. Students minoring in economics
must make a minimum grade of "C" in all courses counting toward a minor in economics.

Requirements for the various undergraduate programs are below.

Economics

MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)

Major Requirements .............................................................. 21 hours ECO 320, 330, 350, 351, and nine hours of approved upper division economic electives.

Business Core ................................................................. 42 hours ACC 201, 202, ACS 201 or 300: CIS 212, ECO 220, 230, 231, and three hours selected from ECO 300, 324, 350, 351, 394, or 492: FIN 300, GBU 204, 480, MGT 300, 370, MKT 300. (Must take ECO 324 and includes ECO 330 in the major.)

Business Electives ......................................................... 3-6 hours

Supporting Course Requirements ......................................... 3 hours MAT 211 or equivalent.

General Education Requirements ....................................... 43 hours Standard General Education program, excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ................................................ 9 hours CBO 100; eight hours of restricted electives.

Free Electives .................................................................... 4-7 hours

Total Curriculum Requirements ......................................... 128 hours

In cooperation with the Department of Economics, the College of Social and Behavioral Sciences offers the Bachelor of Arts in Economics. Course offerings are listed in the Department of Economics, under the College of Business section of this Catalog. The degree requirements for the B.A. in economics are listed below.

Economics

MAJOR (BACHELOR OF ARTS)

Major Requirements ............................................................ 30 hours ECO 230, 231, 320, 324, 330, 350, 351, and nine additional hours of upper division courses in economics.

Supporting Course Requirements .................................... 21-39 hours MAT 211 or equivalent. The other requirements will be determined by consultation between the Chair of the Department of Economics and the Dean of the College of Social and Behavioral Sciences.

General Education Requirements .................................... 46 hours Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ................................................ 9 hours CSO 100; eight hours of restricted electives.

Free Electives .................................................................... 4-22 hours

Total Curriculum Requirements ......................................... 128 hours

MINOR IN ECONOMICS (TEACHING)

A minor in economics (teaching) requires completion of the following courses: ECO 230, 231, 324, plus 12 additional hours selected from the following: ECO 304, 333, 350, 351, 360, 432, 492. Other additional upper division courses may be approved by the department. The minor must be taken in conjunction with an approved teaching major.

Course Descriptions

ECO—Economics

120 Economics In a World Setting: Principles. (3) I, II. A general education economics course dealing with economic principles and theories in a world setting. Emphasis on understanding the role of the economic environment. Does not count toward the economics major. Gen. Ed. 09. Students who have previously completed and are currently completing the ECO 230 and 231 sequence will not receive credit for ECO 120.

130 Contemporary Economic Problems. (3) I, II. A general education economics course dealing with such contemporary economic problems as scarcity, urban crises, population, unemployment and inflation, government spending, energy, and others. Does not count toward the economics major. Gen. Ed. 12. Students who have previously completed and/or are currently completing the ECO 230 and 231 sequence will not receive credit for ECO 130.

220 Business Statistical Methods I. (3) I, II. Prerequisite: MAT 107. Business and economic applications of frequency distributions, measures of location, variation, probability, sampling, estimation, test of hypothesis, linear regression, index numbers, and time series analysis. Credit will not be awarded for both ECO 220 and STA 208-209-210, or STA 270, or PSY 291, or CORP 400, or HEA 450.

231 Principles of Economics II. (3) I, II. Macroeconomics principles, such as national income, production, employment, the money and banking system, the modern theory of national income, economic growth, inflation, and the problems of economic stabilization. Gen. Ed. 12 hrs. ECO 230 is taken.

300 Managerial Economics. (3) I, II. Prerequisite: ECO 230. Economic concepts that are directly applicable to business decision making including cost and production, profits, demand and pricing, capital budgeting and investment, and forecasting.

304 Private Enterprise and Public Policy. (3) A. Prerequisites: ECO 230 and 231. Development of the historical relationships between private enterprise and society. Discussion and application of major theoretical tools available to analyze issues of business and society.

320 Business Statistical Methods II. (3) I, II. Prerequisite: ECO 220. Business and economic applications of sampling, probability, time series analysis, index numbers, simple linear regression, correlation, the chi-square, analysis of variance, multiple regression and correlation, and non-parametric statistics. Credit will not be awarded for both ECO 330 and PSY 301 or STA 271.

332 Money and Banking. (3) I, II. Prerequisite: ECO 231. Functions of money, monetary systems, history of banking, functions of the commercial bank, bank assets and reserves, loans and discounts, bank supervision, the federal reserve system, central banking policies, monetary and fiscal policies.

333 Economics of Labor. (3) A. Prerequisites: ECO 230 and 231. History of the labor movement, union structure and government, collective bargaining, labor markets, governmental regulations and controls, current issues in labor relations.

349 Cooperative Study in Economics. (1-3) A. Prerequisite: minimum GPA 2.25. Co-curricular work experience under faculty and field supervisors. Training Plan required. May be retaken to a maximum of six hours. Minimum 80 hours work required for each academic credit hour. May not count towards major.


351 Intermediate Microeconomics Theory. (3) II. Prerequisite: ECO 230. Microeconomic principles at the intermediate level. Demand, supply, pricing, resource allocation, competitive conditions, factor pricing, application of economic principles to social and business problems.

360 Consumer Economic Problems. (3) A. Analysis of consumer problems, including the classical concepts of consumer sovereignty, analysis of consumer demand, the economic analysis of consumer expenditures, important aspects of consumer education and protection.

394 International Economics. (3) I, II. Prerequisites: ECO 230 and 231. An introduction to international trade and investment theory emphasizing international business, international trade theory, trade and investment patterns, payments system, balance of payments, international companies, and international issues.

432 Alternate Economics Systems. (3) A. Prerequisite: ECO 231. Capitalism, utopian forerunners, the Marxian theory of socialism and communism, modern socialism and communism. British socialism, the economy of the Soviet Union. Fascism, the consumer cooperative movement.

492 Business Cycles. (3) II. Prerequisite: ECO 231. Growth, instability, inflation, business cycle theories, spending and saving decisions, government expenditures and tax makers, prices, output, and employment, historical cyclical patterns, economic forecasting.

520 Economic Thought and Philosophy. (3) II. Prerequisites: ECO 230 and 231. The evolution of economic ideas from the Mercantilist period until present. Relation of the various schools of economic thought to the development of market system philosophy.

560 Special Problems in Economics. (3) A. Prerequisite: advisor permission. Independent work, special workshop, special topics or seminar. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

570 Health Care Economics. (3) A. Prerequisite: ECO 230. Introduction to health economics, prices and profit in medical care, demand, production and cost in the health care sector, health care planning, investment, and financing.

580 Natural Resource and Environmental Economics. (3) II. Prerequisite: ECO 230 or departmental approval. Economics tools used in the allocation of natural resources including: policy proposal criteria, resource allocation, conservation, the state's role, benefit-cost analysis, and environmental impact assessment.

595 The Economics of Growth and Development. (3) A. Prerequisites: ECO 230 and 231. The measurement of underdevelopment, the international distribution of income, the causes of economic growth, public policy for the promotion of economic growth, theories and development.

GRADUATE COURSES

720 Economic Thought and Philosophy. (3) II.
760 Special Problems in Economics. (3) A.
770 Health Care Economics. (3) A.
780 Natural Resource and Environmental Economics. (3) II.
795 The Economics of Growth and Development. (3) II.
807 Economics __________. (1-3) A.
820 Contemporary Economic Problems. (3) A.
822 Survey of Economics. (3) I.
824 Survey in Statistical Methods in Business and Economics. (3) I.
850 Managerial Economics. (3) II.
854 Advanced Statistical Applications. (3) A.
860 Independent Study in Economics. (1-6) A.

DEPARTMENT OF

FINANCE AND

BUSINESS SYSTEMS

B. K. Blaylock, Chair; Alford, Bickum, Bodley, Brewer, Carr, Gakpo, Jordan, Kensicki, C. Lin, E. Lin, Medury, Robinson, Vijayarangan.

The Department of Finance and Business Systems offers courses in computer information systems, finance, insurance, and real estate leading to the Bachelor of Business Administration degree.

The Department of Finance and Business Systems participates in the Master of Business Administration program. A detailed description of this program is presented in the Graduate Catalog.

COMPUTER INFORMATION SYSTEMS PROGRAM

Courses for the Bachelor of Business Administration in Computer Information Systems focus on the information requirements of decision makers in all areas of business. The curriculum includes programming languages, in depth analysis of business problems, decision tools and techniques, information flow analysis, systems design, and data base management.

The computer information systems (CIS) major consists of 21 hours of CIS courses above the business core. All work for the major must be completed with a grade of "C" or higher. 15 hours must be upper-level courses, and at least 12 of the hours in the major must be earned at Eastern Kentucky University.
MINOR IN COMPUTER INFORMATION SYSTEMS

There is a minor in computer information systems for students in colleges other than the College of Business. The minor consists of 21 hours of CIS courses including CIS 250, 380, and 435. Students pursuing the Computer Information Systems Minor in the Department of Finance and Business Systems must maintain a 2.0 GPA on all work counting toward the minor during the 1989-1990 academic year. In the 1990-91 academic year, this standard will be raised to 2.25.

Course Descriptions

CIS—Computer Information Systems

212 Introduction to Computer Information Systems. (3) I, II. Introduction to computer hardware, software, and systems; management information systems and the role of the computer in business; spreadsheet, word processing, data base, and programming concepts. Gen. Ed. 03.

230 Business Applications of Microcomputers. (3) I, II. The application of microcomputers to business; record keeping, planning, scheduling, inventory control, financial analysis, and other business analyses for managerial decision making.

250 COBOL Programming. (3) I, II. Prerequisite: CIS 212. Programming of business problems in COBOL; emphasizes structured program design and top-down coding and testing techniques.

260 RPG Programming. (3) I, II. Formerly CIS 310. Prerequisite: CIS 212. Applications of RPG language in clay-to-day business operations. Major topics include control levels, changing tables, program logic, file management, disk processing, and advanced topics.

320 Assembly Languages. (3) I. Prerequisite: CIS 212 or departmental chair approval. Instruction codes, input-output, macros, machine representations of characters, control, arithmetic and logic operation, subroutines, indexing and indirect addressing, assembly systems and current advances in computer organization.

345 PL-1 Programming. (3) I. Prerequisite: CIS 212 or departmental chair approval. Introduction to the PL-1 language and its relationship to FORTRAN, COBOL, and ALGOL.

349 Cooperative Study in Computer Information Systems. (1-3) A. Prerequisites: GPA 2.25 and BBA major, only. Co-curricular work experience under the direction of faculty and field supervisors. Training Plan required. Normally limited to a maximum of six hours. Minimum 80 hours experience per credit hour. May not count toward major.

355 Advanced COBOL Programming. (3) I, II. Prerequisite: CIS 250. An in-depth study of COBOL syntax and its application to business data processing. Major topics are advanced reporting, subprograms, data validation programs, file maintenance programs including sequential, relative, and indexed files, interactive processing, and data base processing.

360 Computer Information Systems Internship. (2-4) A. Prerequisites: GPA of 2.25 and advisor departmental chair approval. Practical experience in computer information systems.

370 Seminar in Computer Information Systems. (1-3) A. Prerequisite: instructor approval. Selected topics of special and contemporary interest to business students. May be retaken under different subtitles to a maximum of six hours.

380 Systems Development. (3) I, II. Formerly CIS 475. Prerequisite: CIS 250. Overview of the information systems development life cycle; use of structured tools techniques for systems development with the emphasis on systems analysis and conceptual design; information and reporting activities; transition from conceptual design to physical design.

390 Quantitative Business Applications. (3) I, II. Prerequisite: ECO 220. Decision-making under uncertainty, PERT, optimization, inventory control models, linear programming, transportation models, dynamic programming, queueing models, and simulation. Credit will be awarded only for CIS 390 or ECO 330 or MGT 340.

435 Data Base Management. (3) I, II. Prerequisites: six hours CIS including CIS 250. Basic concepts of data base systems. Coverage includes data structure, file organization, data base models, and use and design of data bases.

436 Advanced Data Base Management. (3) II. Prerequisite: CIS 435. An in-depth study of data base management with an emphasis on data base analysis and design. Coverage includes normalization of data, data modeling, semantic modeling, data base design methodologies, and relational data base design and implementation.

475 Decision Support and Expert Systems. (3) I. Prerequisites: CIS 380, and 435. Course focuses on design, development, implementation, and contribution of DSS and ES to management planning, decision making, and control. Students will design and validate model-based DSS, data based DSS, and expert systems to aid managerial problem solving.

480 Information Systems Design and Implementation. (3) I, II. Prerequisites: CIS 380 and 435. Strategies and techniques of structured analysis and design of information systems; application of computer programming and system development concepts and principles to a comprehensive system development project: analysis, design, and implementation.

490 Special Problems in Computer Information Systems. (1-4) A. Formerly CIS 590. Prerequisite: advisor’s departmental approval. Independent study in Information Systems. May be retaken under different subtopics to a maximum of six hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSES

850 Computer Information Systems. (3) II.

860 Contemporary Topics in Information Systems Seminar. (3) A.

890 Independent Study in Computer Information Systems. (1-4) A.

FINANCE PROGRAM

Finance may be viewed as containing three specialized fields: corporate finance, investment finance, and financial institutions. The Bachelor of Business Administration degree in Finance is designed to give students broad knowledge in all three areas of finance and in-depth knowledge in one of the areas.

Graduates are equipped with the qualifications necessary to enter a finance career in corporations, banks, investment firms,
government agencies, savings and loan associations, franchise
operations, and other organizations.
Each finance option consists of 18 hours above the business
core. The student will choose one of the three options and
must complete all courses offered within that option with a
grade of "C" or higher. At least 12 hours in the option must be
earned at Eastern Kentucky University.

Finance

MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)

Major Requirements ......................................................18 hours
Options
    Corporate Finance,
    FIN 304, 324, 400, 403, 404, and three hours
    upper division FIN elective above core.
    Financial Institutions
    FIN 304, 308, 324, 414, 460, and three hours
    upper division FIN elective above core.
    Investment Finance
    FIN 304, 324, 400, 420, 421, and three hours
    upper division FIN elective above core.
Business Core .....................................................................45 hours
    ACC 201, 202, ACS 201 or 300; CIS 212; ECO 220, 230,
    231, and three hours selected from ECO 300, 324, 350, 351,
    394 or 492; FIN 300, GBU 204, 480, MGT 300, 370, MKT
    300. (Must include CIS 390.)
Supporting Course Requirements .......................................12 hours
    Corporate Finance
    MAT 107 or 211; ACC 300, ECO 320, and INS 370.
    Financial Institutions
    MAT 107 or 211; ECO 320, INS 370, and RST 340.
    Investment Finance
    MAT 107 or 211; ACC 301, ECO 320, and INS 370.
General Education Requirements .....................................43 hours
    Standard General Education Program, excluding course
category 03. Refer to Part Three of this Catalog for details on
the General Education and University requirements.
University Requirements ...............................................9 hours
    CBO 100; eight hours of restricted electives.
Free Electives .....................................................................1 hour
Total Curriculum Requirements ........................................128 hours

Course Descriptions

FIN - Finance

201 Personal Money Management. (3) I, II. A consumer approach
to insurance, family budgeting, income taxes, elementary investment
principles, and estate planning. Does not count toward the major in
finance or general business. Credit will not be awarded for both FIN
201 and HEC 352.
300 Business Finance. (3) I, II. Prerequisites: ECO 220 and ACC
202. Financial principles and functions with applications to business
organizations, including time-value of money, investment, dividend
decision, capital structure; models and tools used for financial analysis.
304 Financial Institutions. (3) I. Prerequisite: FIN 300. A survey of
the evolution of financial institutions, including the impact of regulation
and deregulation.
308 Bank Management. (3) II. Prerequisite: FIN 300. Analysis of
commercial banks and thrifts; asset and liability maturity analysis,
reserve management, credit analysis, investment policies, and capital
requirements.
324 Investments. (3) II. Prerequisite: FIN 300. Characteristics of
bonds, stocks, securities market, investment banking. Sources of
investment information; analysis of securities; and efficient market theory.

349 Cooperative Study in Finance. (1-3) A. Prerequisites: GPA
minimum 2.25 and BBA major, only. Co-curricular work experience
under the direction of faculty and field supervisors. Training Plan
required. May be retaken to a maximum six hours. Minimum 80 hours
experience per credit hour. May not count toward major.
400 Intermediate Finance. (3) II. Prerequisite: FIN 300. Working
capital management; capital asset pricing model and its application to
capital budgeting; valuation of the firm and cost of capital; long-term
financing to include leasing, mergers, and liquidations; international
financial management.
403 Working Capital Management and Capital Budgeting. (3) I.
Prerequisites: ECO 320 and FIN 400. In depth theory and decision
tools for working capital management and capital budgeting. Topics
include cash management, estimating Pale of credit, accounts receiv-
able management, cost of capital, capital budget proposal presenta-
tion, long term financing.
404 Advanced Financial Management. (3) II. Prerequisites: FIN
400 and ECO 320. An in-depth examination of the financial manage-
ment of the firm. Cases on the financing decision, the investment
decision, and the dividend decision within the context of the capital
asset pricing model.
414 Advanced Financial Institutions Management. (3) II. Prereq-
usite: FIN 304. An extension of FIN 304, but in more detail concerning
the role of financial institutions in the economy. Major topics include
money markets, financial institutions management, asset analysis and
investment and loan policies.
420 Modern Portfolio Theory (3). I, Prerequisites: FIN 324 and
ECO 300. Portfolio selection, analysis and revision, efficient markets
theory, computer analysis of financial assets and portfolios of assets.
421 Investment Analysis (3). II. Prerequisite: FIN 324. Analysis of
publicly held securities, options, futures, and index options. Role of
capital asset pricing model, stochastic dominance, time-state prefer-
ence model, arbitrage, hedging and speculation.
(3) I. Cross listed as ACC 430. Prerequisite: FIN 300. Analysis of
regulatory accounting and financial practices of regulated industries.
Emphasis on requirements imposed by regulatory agencies including
the SEC, ICC, FPC, and CAB.
450 Seminar in Finance. (1-3) A. Prerequisite: instructor approval.
Selected topic of special and contemporary interest to business stu-
dents. May be retaken under different subtitles to a maximum of six
hours.
455 International Finance Management. (3) A. Prerequisites: FIN
304, 324, and 400. This course deals with the international dimensions
of corporate finance including working capital, capital budgeting, and
international borrowing for multinational companies. Interaction be-
tween international capital markets, international financial institutions,
foreign exchange risks, and international portfolio diversification will
be examined.
460 Public Finance and Taxation. (3) II. Prerequisite: FIN 300.
Objectives of governmental finance and spending; budgetary processes;
economic impact and fiscal theory; distribution of governmental bur-
den; taxation; shifting and incidence of taxation.
490 Special Problems in Finance. (1-4) A. Prerequisite: advisor/
departmental approval. May be retaken under different subtopics to a
maximum of six hours. Independent work, special workshops, special
topics, or seminars. Student must have the independent study proposal
form approved by faculty supervisor and department chair prior to
enrollment.

GRADUATE COURSES

820 Managerial Finance. (3) I.
850 Problems in Managerial Finance. (3) II.
851 Seminar in Investments. (3) I.
890 Independent Study in Finance. (1-4) A.

INSURANCE PROGRAM

The objective of the Bachelor of Business Administration degree in insurance is to provide students with a basic knowl-
dge in all areas of insurance so that they can pursue a career in any of the broadly diversified opportunities available in this
profession. The insurance industry includes opportunities in finance, accounting, data processing, actuarial science and statistics, marketing, management, engineering, and various other disciplines as well as the more specialized insurance functions of underwriting, ratemaking, and claims handling. In every case, however, the successful career path in insurance requires a working knowledge of all facets of insurance including life, health, property-liability insurance, employee benefits, and risk management.

The insurance courses are designed to be useful for all students, regardless of their primary field of study. These courses are also designed to help the student become a more knowledgeable and sophisticated insurance consumer. INS 370 or 372 can be used to meet the state 40-hour education requirement prior to taking the Kentucky General Lines Agents Licensing Examination. INS 374 meets the same requirements for the Kentucky Life-Health Agent Examination.

The insurance major consists of a minimum of 15 credit hours of insurance. The insurance major is required to take INS 370 prior to taking any other insurance course. All courses submitted toward the major must be completed with a grade of "C" or higher. At least 12 of the hours in the major must be earned at Eastern Kentucky University.

Insurance

MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)

Major Requirements ................................. 18 hours
INS 370, 372, 374, and nine additional hours at the 300 level or above. The nine additional hours may include INS 376, 378, 400, 474, 490, or a maximum of three hours of 300-400 level FIN or RST.

Business Electives .................................. 6 hours
Business Core ........................................ 45 hours
ACC 201, 202; ACS 201 or 300; CIS 212, ECO 220, 230, 231, and three hours selected from ECO 300, 324, 350, 351, 394 or 492; FIN 300, GBU 204, 480, MGT 300, 370, MKT 300. (Must include CIS 390.)

Supporting Course Requirements .................. 3 hours
MAT 107 or 211.

General Education Requirements ................. 43 hours
Standard General Education program, excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ........................... 9 hours
CBO 100; eight hours of restricted electives.

Free Electives ....................................... 4 hours

Total Curriculum Requirements ................... 128 hours

Course Descriptions

INS—Insurance

349 Cooperative Study in Insurance. (1-3) A. Prerequisites: GPA 2.25 and BBA majors, only. Co-curricular work experience under the direction of faculty and field supervisors. Training Plan required. May be retaken to a maximum of six hours. Minimum 80 hours work required per credit hour. May not count toward major.

370 Principles of Risk and Insurance. (3) I, II. Theory and practice of insurance and its economic and social significance; basic life, health, and property-liability insurance for businesses and families; review of the major lines of insurance.

372 Fundamentals of Property-Liability Insurance. (3) A. Prerequisite: INS 370 or instructor approval. Planning and evaluating individu-
al and business firm property-liability insurance; analysis of insurance coverage against pure risk related to property-liability insurance exposure.

374 Fundamentals of Life and Health Insurance. (3) A. Prerequisite: INS 370 or instructor approval. Analysis of life insurance and annuity products available in the individual market. Includes a discussion of systems for determining the individual's life insurance needs.

376 Employee Benefit Planning. (3) A. Prerequisite: INS 370 or instructor approval. Employee benefit plans including taxation, costs, and choices of funding. Includes an analysis of the role of employee benefit plans in meeting the risks of death, illness, and old age.

378 Business Risk Management. (3) A. Prerequisite: INS 372 or instructor approval. Risk management as used by the business firm; basic functions of risk management; risk management decision-making as a corporate buyer of insurance.

380 Social Insurance. (3) A. Prerequisite: INS 370 or instructor approval. Examination of financial insecurity caused by occupational injuries, unemployment, old age, and general illness. Emphasized social security, and other government programs which are designed to alleviate these social problems.

400 Seminar in Insurance. (1-3) A. Prerequisite: instructor approval. Selected topics of special and contemporary interest to business students. May be retaken under different subtitles to a maximum of six hours.

474 Life Insurance and Estate Planning. (3) A. Prerequisite: INS 374 or instructor approval. Role of life and health insurance in family estate planning; considerations of developing an estate plan for the individual or the family.

490 Special Problems in Insurance. (1-3) A. Prerequisite: advisor/departmental chair approval. May be retaken under different subtopics to a maximum of six hours. Independent work, special workshops, special topics, or seminars. Student must have the independent study course proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSES

876 Employee Benefit Planning. (3) A.
878 Business Risk Management. (3) A.
890 Independent Study in Insurance. (1-4) A.

REAL ESTATE PROGRAM

The real estate curriculum is planned to provide the academic background in real estate which is required today by the complexities inherent in an era of population, environmental, economic, and governmental pressures. The Bachelor of Business Administration degree in real estate is designed for those who wish to concentrate in one of the real estate specialties such as brokerage, marketing, appraisal, finance, research, property management, or development.

The real estate major consists of 21 hours above the business core. At least 12 hours of the major must be earned at Eastern Kentucky University. Transfer hours are subject to approval by the Chairholder of Real Estate.

All courses in the Real Estate curriculum satisfy the educational requirements for a sales or broker's license (KRS 324.046) in the Commonwealth of Kentucky.

Real Estate

MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)

Major Requirements .................................. 21 hours
RST 310, 320, 325, 330, 340, 400 or 410, plus three hours RST electives to be determined in coordination with advisor.

Business Core ........................................ 45 hours
ACC 201, 202; ACS 201 or 300; CIS 212, ECO 220, 230, 231, and three hours selected from ECO 300, 324, 350, 351,
394, or 492; FIN 300, GBU 204, 480, MGT 300, 370, MKT 300. (Must include CIS 390 and ECO 324.)

**Business Electives** ..................................................3 hours
Suggested electives include ACC 300, 322, ECO 360, MGT 320, or PLA 220.

**Supporting Course Requirements** .................................6 hours
MAT 107 or 211 and INS 370.

**General Education Requirements** ............................43 hours
Standard General Education program, excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.

**University Requirements** ........................................9 hours
CBO 100; eight hours of restricted electives.

**Free Electives** ........................................................1 hour

**Total Curriculum Requirements** .................................128 hours

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### Course Descriptions

**RST—Real Estate**

110 **Fundamentals of Real Estate for the Consumer.** (3) I. Introduction to the elements of real property ownership, law, and leasehold interests. Will not apply toward real estate major requirements.

130 **Financing Real Estate for the Consumer.** (3) II. Methods of financing the personal acquisition of real property: conventional mortgages, FHA and VA loans, and contemporary creative financing methods. Investment and shelter techniques in the purchase of investment property. Will not apply toward Real Estate major.

310 **Real Estate Principles.** (3) I, II. Procedures involved in ownership and transfer of real property; laws governing real estate transactions.

320 **Real Estate Law.** (3) I, II. Businessperson’s point of view of real estate instruments, property rights and liabilities, estates, and interest and liens.

325 **Computer Applications in Real Estate.** (3) I. Prerequisite: RST 310 or 320. Computer applications in the real estate business. Construction and use of spreadsheet and data base programs in the analysis of real estate finance and feasibility studies.

330 **Real Estate Finance.** (3) A. Prerequisites: RST 310 and FIN 300, or instructor approval. Sources of funds for financing real estate transactions; financial instruments that are used and problems encountered in financing real property.

340 **Appraisal of Residential Property.** (3) A. Prerequisites: RST 310 and FIN 300, or instructor approval. Fundamentals of appraising real property; approaches to determining value; factors that contribute to the value of real estate.

349 **Cooperative Study in Real Estate.** (1-3) A. Prerequisites: junior, minimum 2.25 GPA, and BBA majors, only. Co-curricular work experience under the direction of faculty and field supervisors. Training plan required. May be retaken to a maximum of six hours. Minimum 80 hours experience per credit hour. May not count toward major.

351 **Real Estate Research and Feasibility Analysis.** (3) A. Prerequisite: RST 310. Analysis of target markets, media demography, advanced real estate advertising techniques, and marketing feasibility studies. Housing formats include single family, planned unit development, mixed development, condominiums, and rental residential developments.

355 **Real Estate Property Management.** (3) A. Prerequisite: RST 310. Administration, marketing, and evaluation of residential and commercial income properties; interaction with development and construction firms.

370 **Urban Land Use and Analysis.** (3) A. Prerequisite: RST 340 or instructor approval. Basic principles and practices of urban land use and the analysis of economic principles of urban land utilization.

400 **Real Estate Administration.** (3) II. Prerequisites: senior standing plus 15 hours RST. Establishment and operation of administrative functions in the real estate office: staff recruitment, training and evaluation; establishment of policies and practices; professional ethics; State and Federal legal requirements.

410 **Income Property Valuation/Investment.** (3) A. Prerequisites: senior standing plus 15 hours RST. Real estate income property cash flow statements and valuation; investment analysis and decisions; operation of trusts; syndications; partnerships and corporations as a basis for real estate investment; selection and evaluation of real property investment portfolios.

450 **Seminar in Real Estate.** (1-3) A. Selected topics of special and contemporary interest to business students. May be retaken under different subtitles to a maximum of six hours.

490 **Special Problems in Real Estate.** (1-3) A. Prerequisite: advisor/departmental approval. May be retaken under different subtopics to a maximum of six hours. Independent work, special workshop, special topics, or seminars. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

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### GRADUATE COURSES

860 **The Real Estate Process.** (3) A.

890 **Special Problems in Contemporary Real Estate.** (3) A.
Eastern Kentucky University has maintained a strong interest in and commitment to the preparation of teachers since its founding in 1906 and is dedicated to the preparation of teachers to function effectively in a culturally diverse society in order to meet the needs of all students. While teacher education at Eastern is viewed as an all-university function, the programs of early elementary, middle grades, special education, and communication disorders are located and advised in the College of Education. Secondary teaching programs are located in their respective colleges with students receiving academic advisement from the college of their major and professional teaching advisement in the College of Education.

ADMISSION TO THE COLLEGE OF EDUCATION

Students will be assigned an advisor by their departmental chair on admission to the College of Education and must enroll in Orientation, EDO 100, during the first semester and Professional Laboratory, EDF 102, during the freshman year.

It must be clearly understood that admission to the College of Education is not synonymous with admission to the teacher education program.

CURRICULUM REQUIREMENTS

Each student must make application for a planned curriculum at the time of completion of lower division requirements and admission to the College of Education. Those students who are in teaching programs will initiate their applications for a planned curriculum while enrolled in EDF 202/300. Students in non-teaching programs must apply for a planned curriculum in the office of the chair of their major department. Any change in the planned curriculum must be approved by the student’s advisor, the department chair, and the Dean of the College of Education. It is the student’s responsibility to register for the proper courses so that all requirements are satisfied at the time of expected graduation.

Students may plan their curricula from the following options:

1. an area of concentration, or
2. two majors, or
3. one major and two minors, or
4. one major and one minor when credit in both totals 48 semester hours (54 when English is included as the major), or
5. a single major of 30 hours in approved teaching or non-teaching fields.

TEACHER EDUCATION PROGRAMS

The curricula offered by the University have been planned and developed to meet the needs of students who desire to become teachers, principals, supervisors, superintendents, attendance officers in the public schools, guidance counselors, and speech-language pathologists. Curricula are offered for the preparation of early elementary teachers (K-4) and middle grade teachers (5-8); for teachers of the special subjects of art, business, health, physical education, home economics, industrial arts, music, and special education; for teachers of technical and industrial subjects in vocational schools; and for the preparation of secondary school teachers in the fields of biology, chemistry, earth science, economics, English, French, geography, German, history, mathematics, physics, political science, psychology, Russian, social science, sociology, Spanish, speech, and speech and drama.

OVERLOAD, CORRESPONDENCE COURSES, AND TRANSFER COURSES

In the College of Education overloads are discouraged and must be approved by the dean. Applications for overloads must contain the student’s overall grade point average and must stipulate whether the student is taking a correspondence course at Eastern or at other universities and, if so, the number of hours being attempted.

While enrolled at Eastern, students are discouraged from burdening their schedules by taking correspondence courses and other courses at other universities. To be accepted into their programs such courses must have the dean’s approval before they are taken. Requests to take courses at other universities must specify the student’s overall grade point average and the number of hours the student plans to take during the semester.

Since student teaching is an especially demanding semester, students should not plan to take overloads or correspondence courses concurrently while student teaching.
Student Services
Teacher Admission and Certification
Glynn N. Creamer, Director

This office is responsible for the admission of students to teacher education programs at Eastern. It receives and processes applications for teaching certificates and certificates for other school personnel (principals, supervisors, superintendents, counselors, pupil personnel directors, business administrators, and librarians).

Those students planning to follow a teaching program in the College of Education must meet the requirements for admission to the teacher education program. All students, regardless of the college in which they enroll, must apply for admission to teacher education if they expect to complete a teaching program and be approved for certification.

Those who plan to work toward a teaching certificate must enroll in EDF 102, Professional Laboratory, and in EDF 202, Professional Orientation. Enrollment in EDF 102 should be in the freshman year and in EDF 202 in the sophomore year. The application for the teacher education program will be processed as part of EDF 202. Transfer students who have had a course equivalent to EDF 202 at another institution should enroll in EDF 300, Orientation to Teacher Education, in lieu of EDF 102/202. This must be done during the transfer student’s initial semester at Eastern.

The Admissions Committee for Teacher Education will review the results of EDF 102/300 tests and application materials submitted during EDF 202/300 and take appropriate action concerning the student’s admission to the teacher education program on the completion of 60 semester hours and based on the following criteria:

1. Complete 12 hours of on-campus residence credit at Eastern prior to admission to the teacher education program.
2. Attain a 2.5 grade point average (4.0 scale) in all college work at Eastern including a passing grade in EDF 102/300 and a minimum grade of “C” in EDF 202.
3. Demonstrate proficiency in communication skills, including evidence of satisfactory speech and speaking effectiveness.
4. Present satisfactory recommendations from four Eastern faculty members, including the student’s instructor in EDF 102, EDF 202/300, and the student’s advisor.
5. Provide evidence of no physical or psychological impairments that would preclude teaching success.
6. Accumulate a satisfactory record of acceptable social behavior in the University community as well as the community at large.
7. Present satisfactory results on examinations taken in EDF 102/300 or other examinations as may be required by the Admission Committee. Students scoring below minimum requirements shall be required to improve their competencies to an acceptable level before admission to teacher education. This may include therapy and enrollment in credit or noncredit remediation courses and retesting to determine that minimum competencies are met.

If, after admission to the teacher education program, a student is placed on either academic or social probation, the application will be reconsidered.

Educational Research and Evaluation
Robert L. Byrne, Director

This office performs two major functions. First, it provides a central location for the collection and summary of statistical information relevant to quality control of the teacher education product. The Director coordinates the selection, administration, and analysis of measurement instruments utilized in the admission to the teacher education process and also those instruments appropriate for evaluating students during the professional semester. This office regularly conducts follow-up studies of graduates of the teacher education program. Second, it provides services to faculty and students for identifying research hypotheses, assistance in formulating the procedure, analysis of data, and dissemination of information.

Professional Laboratory Experiences
David L. Rush, Director

This office is responsible for the organization and administration of all professional laboratory experiences relating to the teacher education program of the University. This includes location and approval of teaching centers; assignment, supervision, and evaluation of students in a learning environment; and serving as liaison with public schools in all matters related to practicum experiences of students in teacher education programs.

The Office of Professional Laboratory Experiences receives and evaluates all applicants for student teaching, determines appropriate disposition of the application and provides continuous assessment of the applicant’s pre-teaching and teaching experiences during the professional semester.

This office recognizes that cultural diversity is a fact of American life and teachers function in a pluralistic cultural environment. Experience in multicultural settings provides valuable enrichment for the proper development of effective teachers. The Office of Professional Laboratory Experiences will provide assignments in accord with this philosophy.

ADMISSION TO STUDENT TEACHING

Students are advised that 15 credit hours are considered a maximum load during the student teaching semester.

Students of senior standing may enroll in student teaching if they have satisfied the following requirements:

1. Admitted to the teacher education program.
2. Filed an application during the first four weeks of the semester prior to the term in which student teaching is desired. Any application filed is evaluated and processed for approval or disapproval. This appraisal will specifically examine:
   a. A valid medical examination, including a current tuberculosis test. Any significant deviation from normal physical and psychological well-being will be referred to a proper examining physician.
   b. Behavior that relates to the moral, ethical, social, and personal standards of professional competency. The student’s comportment will be subject to review and appraisal by the department responsible for the student teaching recommendation and the College of Education.
   c. Each student applying must file a completed curriculm contract with the Dean, College of Education, prior to final approval for student teaching.
3. Completed a minimum of 12 semester hours of on-campus residence at Eastern prior to admission to student teaching.

4. Completed all prerequisites in professional education and prestudent teaching curricula in the applicant’s area as prescribed by this Catalog.

5. Recommended by the student’s advisor and approved by the department chair.

6. Standing of at least 2.5 grade point average based on hours attempted on the official Eastern transcript in the student’s major/minor and overall program.

7. Standing of at least a 2.5 grade point average in the overall, professional education and methods courses, and in areas of academic emphasis with a grade no lower than “C” in professional education, methods courses, support courses, and courses in the areas of academic emphasis in the K-4 and 5-8 programs.

8. A grade of “C” or above in EDF 317, EPY 318, EPY 412, SED 400 and ESE 498.

9. A grade of “C” or above in all methods courses.

10. A grade of “C” or above in required special education courses for special education majors and SED 498.

**DEGREE REQUIREMENTS**

General University requirements described on page 31 in Part Three of this Catalog, as well as specific course requirements set forth in the description of curricula, must be met by students completing baccalaureate programs administered by the College of Education.

Students completing programs in the College of Education are eligible for the Bachelor of Science degree. General graduation requirements from the College of Education are as follows:

1. Submission of an application for graduation in the office of the Dean of the College of Education. December graduates must make application during the preceding April; May and August graduates must make application during the preceding October.

2. Completion of a minimum of 128 semester hours, 43 of which must be in upper division courses (300, 400 and 500 levels). A candidate for a degree must have been in residence a minimum of 36 weeks and must have earned a minimum of 32 hours while in residence. Thirty of the last 36 hours must be earned at Eastern.

3. Completion of all coursework on the student’s planned curriculum.

4. Attainment of a minimum cumulative grade point average of 2.0 or higher. (Students in teaching curricula are reminded that a 2.5 grade point average is currently required in major(s), minor(s), and overall. Also required is successful completion of EDF 102-300, a grade of “C” or above in EDF 202, EDF 317, EPY 318, ELE/ESE 498, all methods courses, and required special education courses for special education majors.)

5. Satisfactory completion of competency examinations and the National Teachers Examination.

Secondary education majors (other than those in physical education, school health, special education, and communication disorders) will follow the prescribed curriculum and requirements of another academic college, as well as the policies for teacher education stated elsewhere in this Catalog. These students take certain professional education coursework in the College of Education, as well as in their academic college. The College of Education cooperates closely with the other colleges in matters pertaining to the secondary major’s admission to teacher education, as well as for approval for, assignment to, and supervision of student teaching.

While specific requirements for each degree are found in the appropriate department presentation, the Academic Orientation course, EDO 100, is common to all programs.

**EDO—Education Orientation**

100 Academic Orientation. (1) I. Designed to orient the student to university academic life and afford background for career choice and preparation. Included are University regulations and calendar, catalog details, registration and pre-registration, various career opportunities, and program requirements. Open to all students during their first two semesters of enrollment at EKU; beyond that open to students with fewer than 30 semester hours earned.

All 700 level courses have undergraduate counterparts bearing the same last two digits. The 700 level courses are offered only for graduate level credit and require additional appropriate experiences for all students enrolled. Students who have previously taken the undergraduate counterpart of these courses at the 500 level will not be permitted to enroll for graduate level credit in the 700 level counterpart.

**Model Laboratory School**


Model Laboratory School is operated as a department in the College of Education to fulfill several basic purposes: (1) to provide quality and innovative education for its students, N-12; (2) to provide preservice education for prospective teachers in the College; (3) to serve as an experimental testing ground for curriculum development and dissemination; (4) to provide a setting for research; and (5) to provide inservice education for area school systems.

Organized into three sections (early childhood, elementary, middle school, high school), the school serves approximately 750 students and employs a full-time staff of 41 faculty. Model is located on the campus of Eastern Kentucky University in the Donovan Building which was first occupied in 1961.

**DEPARTMENT OF ADMINISTRATION, COUNSELING AND EDUCATIONAL STUDIES**

E. White, Chair; Beardsley, Clawson, Doak, C. Gibson, J. Gibson, Grise, Hume, Lawrence, L. Lee, M. Lee, Mills, Rush, Sexton, Stull, Swezig, Wise.

The Department of Administration, Counseling, and Educational Studies offers graduate degrees in the areas of educational administration and counseling. It also offers graduate non-degree certification and Sixth Year Rank I programs in these
areas. The area of educational studies provides undergraduate and graduate courses in the foundations of education to all degree programs. The area of counseling also provides undergraduate and graduate courses needed in other departments of the College of Education and other colleges of the University.

EDUCATIONAL ADMINISTRATION
P. Lawrence, Program Coordinator

Educational Administration offers a graduate program of specialization for those students who wish to become school superintendents, supervisors of instruction, early elementary school principals, middle grade school principals, secondary school principals, and school business administrators. The Specialist in Education degree in educational administration and supervision is also available. For additional information regarding these programs contact the departmental chair or consult the Graduate Catalog.

Course Descriptions

EDF—Educational Studies

102 Professional Laboratory. (1) I, II. Assessment of fitness for teaching through laboratory experiences with children in the classroom, seminars with college staff and classroom teachers, and screening tests. Required of students who enter the teacher education program. Grading is pass-fail.

200 The American Educational System. (2) A. Scope, nature and purpose of education in the United States and how schools are organized, financed, and conducted. Deals with basic questions which relate to pertinent educational issues.

202 Professional Orientation. (2) I, II. Prerequisite: sophomore standing. Acquaints students with the role of public education and nature of the teaching profession. Laboratory experiences required. Personal fitness for teaching examined. Application made for admission to the teacher education program. Grading is pass-fail.

317 Human Development and Learning. (3) I, II. Prerequisite: biological or physical science course. Study of psychological, biological and environmental bases of behavior. Laboratory experiences required.

507 Problems in Educational Foundations. (1-3) A. Prerequisite: advisor/departmental chair approval. Independent study under the direction of an instructor on a special topic in educational foundations. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

526 Applying Research to Classroom Problems. (2) A. Study and interpretation of recent research for dealing with classroom situations and problems. Class encouraged to focus on situations and problems directly related to their own teaching.

GRADUATE COURSES

768 Administration and Organization of Physical Education. (2) I, II.
800 Introduction to Educational Administration. (3) I, II.
801 School Personnel Administration. (3) A.
802 School Buildings and Grounds. (3) I.
803 School Finance. (3) II.
804 The Middle School Principal. (3) II.
805 School Law. (3) I, II.
806 The Elementary School Principal. (3) I.
807 Educational Administration and Supervision. (1-3) A.
808 Administration and Supervision of Early Childhood Education Centers. (3) A.
809 The Secondary School Principal. (3) II.
811 Supervision of Instruction. (3) I, II.
821 Practicum in Administration and Supervision. (3) A.
824 Seminar in Administration and Supervision. (3) I.
825 The Role of the Supervisor in Physical Education. (3) A.
840 The Superintendency. (3) I.
888 Advanced Seminar in Administration and Supervision. (3) II.
891 Issues and Trends in Educational Administration and Supervision. (3) A.
897 Independent Study. (1-3) A.
898 Project Development. (3) A.
899 Specialist Project. (3) A.

EDUCATIONAL STUDIES

R. Grise, Program Coordinator

Educational Studies provides instruction in those professional subjects considered basic to the teacher education student’s preparation regardless of the teaching specialty or intended level of school practice. Instruction is offered in a number of related foundational disciplines including human development, educational sociology, educational philosophy, history of education, comparative education, and multicultural education.

Course Descriptions

EDF—Educational Studies

102 Professional Laboratory. (1) I, II. Assessment of fitness for teaching through laboratory experiences with children in the classroom, seminars with college staff and classroom teachers, and screening tests. Required of students who enter the teacher education program. Grading is pass-fail.

200 The American Educational System. (2) A. Scope, nature and purpose of education in the United States and how schools are organized, financed, and conducted. Deals with basic questions which relate to pertinent educational issues.

202 Professional Orientation. (2) I, II. Prerequisite: sophomore standing. Acquaints students with the role of public education and nature of the teaching profession. Laboratory experiences required. Personal fitness for teaching examined. Application made for admission to the teacher education program. Grading is pass-fail.

317 Human Development and Learning. (3) I, II. Prerequisite: biological or physical science course. Study of psychological, biological and environmental bases of behavior. Laboratory experiences required.

507 Problems in Educational Foundations. (1-3) A. Prerequisite: advisor/departmental chair approval. Independent study under the direction of an instructor on a special topic in educational foundations. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

526 Applying Research to Classroom Problems. (2) A. Study and interpretation of recent research for dealing with classroom situations and problems. Class encouraged to focus on situations and problems directly related to their own teaching.

GRADUATE COURSES

707 Problems in Educational Foundations. (1-3) A.
726 Applying Research to Classroom Problems. (2) A.
807 Educational Studies. (1-3) A.
815 Human Development. (3) I, II.
832 History of Education in the United States. (3) A.
835 Critical Thinking in the Education Process. (3) A.
836 Philosophy of Education. (3) I, II.
837 Comparative Education. (3) I.
850 Educational Sociology. (3) II.
855 Foundations of Multicultural Education. (3) II.
869 Research in Education. (3) I, II.
895 Advanced Research Methodology. (3) I.

EDUCATIONAL PSYCHOLOGY AND COUNSELING

T. Beardsley, Program Coordinator

Educational Psychology and Counseling offers graduate programs with specializations for those students who wish to become school counselors, counselors in community and industrial settings, or student personnel workers in higher education. The following programs are offered:

Master of Arts in Education Degree

Elementary School Counseling
Secondary School Counseling

Master of Arts Degree

Industrial and Community Services Counseling
Student Personnel Services in Higher Education

Certification Programs

Standard Pupil Personnel Certification
Rank I (Sixth Year Non-degree Programs)
Course Descriptions

**EPY—Educational Psychology**

318 Learning Theories Applied to Teaching. (3) I, II. Examination of theories of learning and implications for adaptation in the school setting. Emphasis on the practical aspects of theories of learning through utilization of a variety of techniques and procedures. Laboratory experiences required.

320 Educational Psychology. (3) A. Prerequisite: one course in psychology or instructor approval. Theories and processes of learning, maturation, individual differences, personality, and statistical procedures.

412 Measurement and Evaluation in the Schools. (2) I, II. Principles and procedures in evaluating pupil growth in skills, attitudes, aptitudes, and understandings. Experience in test construction, analysis, item analysis, and marking systems. Credit will not be awarded for both EPY 412 and EPY 816 or PSY 302.

504 Psychology of Individual Differences. (3) A. Prerequisite: undergraduate psychology course or instructor approval. Study and application of the facts of human variability, including differences in such areas as age, sex, class, intelligence, and achievement.

507 Problems in Educational Psychology and Guidance. (1-3) A. Prerequisite: advisor instructor approval. Independent investigation of a research problem or directed readings in a selected area or study chosen in consultation with the instructor. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

555 Vocational Development and Adjustment. (3) A. Comprehensive coverage of the application of psychological principles to personnel selection, training, placement and evaluation; motivation, interaction, and morale; and effective human relations in business, industry, and community agencies.

**GRADUATE COURSES**

704 Psychology of Individual Differences. (3) A.

707 Problems in Educational Psychology and Guidance. (1-3) A.

755 Vocational Development and Adjustment. (3) A.

816 Tests and Measurements. (3) I, II.

823 Educational Implications of Learning Theories. (3) A.

826 Individual Appraisal of Intelligence I. (3) I.

827 Individual Appraisal of Intelligence II. (3) II.

842 Statistical Methods I. (3) I, II.

843 Statistical Methods II. (3) A.

852 Advanced Educational Psychology. (3) A.

854 Mental Health and Personal Adjustment. (3) A.

856 Practicum in Psychometry. (3) A.

899 Project Development. (3) A.

899 Specialist Project. (3) A.

**EPC—Counseling**

513 Introduction to Counseling. (3) I, II. Sociological, psychological, philosophical and educational foundations of pupil personnel services; history and growth of the guidance movement; function, scope and organization of guidance.

540 Counseling Theory and Practice. (3) I, II. Prerequisite: EPC 513 or instructor approval. Major theories of counseling. Attention is given to personality structure and individual behavior from which these are derived.

**DEPARTMENT OF CURRICULUM AND INSTRUCTION**

I. Ramsey, Chair; Barr, R. Byrne, S. Byrne, G. Creamer, Cunningham, R. Deane, S. Deane, J. Dickey, Francis, C. Gabbard, Hatfield, Hendricks, Henson, Kirkpatrick, McCann, R.J. Miller, Moretz, Morris, Peel, Schmelzer, Stoess, J. Surplus, Thames, J. Thomas, K. Thompson, Widener, Wirtz.

The Department of Curriculum and Instruction has responsibility for programs in Early Elementary Education (K-4), Middle Grade Education (5-8), and for the professional education component of programs of individuals preparing to become teachers in secondary schools (9-12). At the graduate level, in cooperation with the Graduate School, the department offers the Master of Arts degree in Education with the following emphases: general elementary education, reading (elementary and secondary), gifted education (elementary and secondary), and secondary teaching fields. Fifth and sixth year non-degree certification programs (Rank II and Rank I) are offered in general elementary education and in secondary teaching fields. The Specialist in Education degree is offered in elementary education and in physical education.

Additional information regarding these programs can be obtained by consulting the Graduate Catalog or by contacting the appropriate program coordinator or the departmental chair.

**EARLY ELEMENTARY AND MIDDLE GRADE EDUCATION**

K. Thompson, Program Coordinator

**Early Elementary Education (Teaching)**

(KINDERGARTEN-GRADUATE FOUR)

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ........................................49 hours

ELE Core .............................................28 hours

Options.........................................................21 hours
Students seeking certification as teachers of K-4 must complete 21 hours from one of the following areas of academic emphasis.

Arts/Humanities: To complete an area of emphasis in Arts/Humanities, the student must complete one of the following tracks:

General Track: HUM 124, ART 200**, MUS 171**, THE 100; ENG 350 or 351; PHI 110 or 130; MUS 360, FCC 220, 222, 224, 225, 226, ART, or THE.

Visual Arts Track: ART 100, 101, 102, 103, 200**, six hours from ART 202, 203, 207, 239, or 330. ART 100 can be used as a restricted elective.

Music Track: MUS 171**, 272, 360; Performance Component: four to nine hours from applied music and/or ensembles, three to eight hours from MUS 181, 182, 371, 372. Students with basic knowledge of the fundamentals of music may select an alternate for MUS 360 with advisor approval. MUS 272 can be used as a restricted elective.

Humilities Track: HUM 124, 226**, 228**, MUS 272; ART 390 or 391; PHI 100 or 110; ENG 350, 351, FCC 220, 222, 224, 225, 226, HUM 300, HIS 298, PHE 200, or REL 301.

English/Communications: ENG 101** and 102** or 105**; ENG 510, 520, or ELE 551; SPE 100; ENG 350, 351, or 359; six hours from ENG 301, 405, or 410.

Foreign Language: Courses from the academic emphasis must be selected from one of the following options:

French: FRE 101, 102, 201, 211, 212, 350; FCC 220, FRE 340, 360 or 500. Students entering the program with mastery of the equivalent of FRE 101, 102, and/or 201 should take additional hours from other courses listed above. FRE 204 should be taken as the entry level course by students having mastery of the content of FRE 101, 102, and 201.

German: GER 101, 102, 201, 202, 240, 340; FCC 222, GER 360, 505, or 540. Students entering the program with mastery of the content of GER 101, 102 and/or 201 should take additional hours from other courses listed above. GER 204 should be taken as the entry level course by students having mastery of the content of GER 101, 102, and 201.

Russian: RUS 101, 102, 201, 202, 206; and six hours from FCC 224, RUS 305, or 306.

Spanish: SPA 101, 102, 201, 202, 206; six hours from FCC 225 or 226, SPA 340, 360, 456, or 505. Students having mastery of the equivalent of SPA 101, 102, and/or 201 should take additional hours from other courses listed above.

Two of the foreign language courses at the 100 and 200 level can be used to fill Gen. Ed. 03 and 04.

Mathematics: CSC 104** or 171** and 172**, MAT 107**, 15 hours to be selected from MAT 108, 203, CSC 174, 180, STA 270, 271.

Science: A minimum of three hours of life science selected from BIO 100 or NAT 101; BIO 131, 141, NAT 262 or 263, BIO 317, 301, 300. A minimum of three hours of physical science selected from PHY 101 or NAT 171, AST 130 or 135, NAT 172 or 173, GLY 107 or 108, CHE 101, 102, GEO 215, GLY 104, 109, 208, 302, 390, PHY 131, 132, SCI 310.

As part of the 21 hour science emphasis, students must take one biological and one physical science laboratory course. Remaining hours are to be selected from courses listed. Courses taken to fulfill Gen. Ed. 13 and 14 can be applied to academic emphasis.

Social and Behavioral Sciences: ECO 130; GEO 101 or 345; GSS 246**, 247**; HIS 516 or POL 332; SOC 245 or CDF 132; one course selected from ANT 330, GSS 300, HIS 305, 383, 405, POL 316, or SOC 360.

Supporting Course Requirements..........................9 hours
LIB 301, MAT 201, and 202.

Teacher Education Requirements.........................27 hours
EDF 102, 202, 317, EPY 318, 412, SED 400, and ELE 499.

General Education...........................................40 hours
Standard General Education program, excluding courses identified in each area of emphasis. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements...................................9 hours
EDO 100; eight hours of restricted electives.

Total Curriculum Requirements..........................134 hours

*Courses meet general education requirement.

Course Descriptions

ELE—Early Elementary

107 Elementary Education: ______ (1-3) A. Prerequisite: advisor/departmental chair approval. Special topics, special workshops, or seminars. May be retaken under different subtitles to a maximum of nine hours.

322 Physical Education in the Elementary School: (2) I, II. Not open to physical education majors. Movement education in the elementary school curriculum with focus on the classroom teacher’s role in supporting and supplementing the elementary school physical education program.

324 Teaching of Physical Education in the Elementary School: (3) I, II. Prerequisite: PHE 323. Study, appraisal, and practice of teaching techniques, methods, and materials essential to the sequential development of motor skill learning in the elementary school.

349 Cooperative Education. (1-8) A. Elective credit offered through work experiences for students seeking teaching certification. Minimum of 80 hours work required for one credit hour. Maximum hours to be earned: six in summer; eight during semester; sixteen in bachelor’s program.

361 Art in the Early Elementary Grades. (3) I, II. Fundamental concepts of art education. Exploration of art materials, processes, and activities for children in the early elementary grades including those with special needs.

356 Social Studies in the Elementary School. (3) I, II. Prerequisite: 12 hours general education social science. Theory, content, and practice of teaching social studies in the elementary school.

360 Teaching of Elementary School Mathematics. (3) I, II. Prerequisites: EDF 317, MAT 201, 202, and admission to teacher education program. Methods and materials of teaching elementary mathematics; emphasis on discovering and developing fundamental concepts as a foundation for problem solving.

362 Music Education for the Classroom Teacher. (3) I, II. Prerequisite: knowledge of music fundamentals or MUS 360. Study and appraisal of teaching techniques, music literature, learning activities, curricular plans, and materials essential to the sequential development of musical learning in the elementary school.

365 Health Education in the Elementary School. (2) I, II. A study of curriculum design, teaching/learning strategies, resources, and evaluation procedures in elementary school health education. Topics include drugs, mental health, family living, nutrition/exercise/rest, consumerism, environmental health, disease, dental health, and careers.

445 Foundations of Reading/Language Arts. (3) I, II. Cross listed as EMG 445. Prerequisites: junior standing and GPA of 2.5.
overview of reading/language arts components K-8, teacher competencies, organization and planning for instruction. Twenty hours field clinical experiences.

446 Reading and Language Arts K-4. (3) I, II. Prerequisite: minimal grade of "C" in ELE 445. Emphasis on theory, curriculum, teaching techniques, and materials, instructional planning, assessment and use of results. Twenty hours field clinical experiences.

475 Teaching of Elementary School Science. (3) I, II. Prerequisite: nine hours general education science. Modern materials and methods for elementary science teaching from kindergarten through grade eight. Five discussion laboratory hours per week.

490 Classroom Management. (3) I, II. Prerequisite: admission to Teacher Education. Critical examination of effective classroom management in grades K-4. Emphasis on theories, strategies, societal implications and legal ramifications through study, discussion, observation, and participation. Twenty hours field clinical experiences.

491 Mathematics in Elementary Grades. (3) I, II. Prerequisites: admission to Teacher Education and minimal grade of "C" in MAT 202. Methods and materials of teaching K-4 mathematics; emphasis on discovering and developing fundamental concepts as a foundation for problem solving. Twenty hours field clinical experiences.

492 Science in the Elementary Grades. (3) I, II. Prerequisite: admission to Teacher Education. Modern materials and methods from kindergarten through grade four. Five discussion laboratory hours per week. Twenty hours field clinical experiences.

493 Social Studies in Elementary Grades. (3) I, II. Prerequisite: admission to Teacher Education. Theory, content, and practice of teaching social studies in grades K-4. Twenty hours field clinical experiences.

497 Supervised Student Teaching in Kindergarten. (5-8) I, II. Prerequisite: ELE 519. Observation and teaching under professional supervision.

498 Fundamentals of Elementary Education. (3) I, II. Prerequisites: EDF 202 or 300, EDF 318, ELE 358, 360, 475, 550, 560. See admission to student teaching under Professional Laboratory Experiences. Taken with ELE 493. Functional approaches to responsible teaching in the elementary school.

499 Supervised Student Teaching in Kindergarten Through Fourth Grade. (6-12) I, II. Prerequisites: methods courses and area of specialization. Observation, participation, responsible classroom teaching and related professional activities at two non-sequential levels in the K-4 range.

507 Problems in Elementary Education. (1-3) A. Prerequisite: advisor departmental chair approval. Independent work, special workshops, special topics, or seminar.

510 Art in the Elementary Curriculum. (3) A. Elements of the discipline, creativity, aesthetics, theory, philosophy, and instructional facilities. Individual explorations into research and media.

517 The Child in Early Education. (3) I, II. Focuses specifically on physical, social, psychological and intellectual development of the child under six and the role of the teacher in working with young children. Credit will not be awarded for both ELE 517 and CDF 244.

519 Teaching in the Kindergarten. (3) I, II. Prerequisite: ELE 517. Focuses upon the kindergarten movement, organization, equipment, curriculum, and procedures; leaders and literature of kindergarten education. Opportunity for observing and participating in kindergarten.

522 Creative Experiences in Childhood Education. (3) A. Designed for prospective and in-service teachers with focus upon the nature of creativity, development of skills used in creative expressions, activities which promote creativity in children and teachers.

520 Multicultural Populations and School Curriculum. (3) A. Exploration of ethnic and family backgrounds, class structure, patterns of living, language characteristics, and teacher-pupil attitudes as they relate to the school experience.

541 Survey of Elementary Curriculum Programs. (3) I, II. For physical education, art, or music majors seeking twelve-grade certification. Explores elementary curriculum, the role of special teachers, problems of individual learners, functions of the entire school-community. Not open to elementary education majors.

550 Reading and Language Arts in the Elementary School I. (3) I, II. Prerequisite: EDF 317. Theory, content, and practice of teaching reading and language arts in the elementary school.

551 Linguistics in Elementary Education. (3) A. Prerequisite: Course in reading instruction. Investigation of elements in the science of linguistics and their application to communication skills of elementary children.
Middle Grade Education (Teaching) (GRADES FIVE-EIGHT) MAJOR (BACHELOR OF SCIENCE)

Major Requirements ................................................. 63 hours
Middle Grade Core ................................................. 15 hours
EMG 390, 445, 447, six hours from 491, 492, 493, or 494.
Options ............................................................. 48 hours
Students seeking middle grade, 5-8, certification must select two areas of emphasis from the following list and complete 24 hours in each area: English and Communications, Mathematics, Science, Social Studies.

English and Communications ............. 24 hours
ENG 101 and 102 or 105; 410; 350 or 351; LIB 501; SPE 100; six hours selected from ENG 301, 405, 510, 520, ELE 551.

Mathematics ......................................................... 24 hours
CSC 104 or 171 and 172; MAT 201, 202, 203, STA 270, nine hours to be selected from MAT 107 or 108, 261, CSC 174, 180, or STA 271. One course can be used as a restricted elective.

Science .............................................................. 24 hours
Biological Science - nine hours: one course from BIO 100, 131, 141, or NAT 101; two courses from BIO 131, 141, 211, 300, 301, and 378, 302, or 303, 317, NAT 262 or 263. Earth Science, Physics, and Chemistry - 15 hours to include nine hours from one area and three hours from each of the remaining two areas: CHE 101 and 102 or 111 and 112; GELY 104, 107, 108, 109, 208, 302, 390, AST 130, 135, NAT 172 or 173; PHY 101, 131 and 132, 201 and 202, or NAT 171. A laboratory course must be selected from each area. Gen. Ed. 13 and 14 can be filled with one lab course in biology and one lab course in physical science.

Social Studies ....................................................... 24 hours
ECO 120 or 130, GEO 345, GSS 246, 247, HIS 202, 203, POL 100 or 101, and three hours selected from ANT 120, 325, SOC 131, 235.

Teacher Education Requirements ........ 27 hours
EDF 102, 202, 317, EPY 318, 412, EDU 400, and EMG 499.

General Education ................................................ 34 hours
Standard General Education program, excluding categories identified in each area of emphasis. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ........................................ 9 hours
EDO 100; eight hours restricted electives.

Total Curriculum Requirements .............. 133 hours

Course Descriptions

EMG—Middle Grade Education

390 Middle Grade Curriculum. (3) I, II. Prerequisite: EDF 317. An examination of the curriculum and the responsibilities of teaching in the middle grades through study, discussion, observation, and participation. Twenty hours of field/criminal experiences.


447 Reading/Language Arts in the Middle Grades. (3) I, II. Prerequisite: minimal grade of "C" in EMG 445. Emphasis on theory, curriculum, teaching techniques and materials, instructional planning, assessment and use of results. Twenty hours of field/criminal experiences.

491 Mathematics in the Middle Grades. (3) I, II. Prerequisites: mathematics emphasis and EMG 390. Methods and materials of teaching middle grade mathematics, procedures for discovering and developing fundamental concepts as a foundation for problem solving, use of modern instructional media in planning and demonstrating math instruction. Twenty hours of field/criminal experiences.

492 Science in the Middle Grades. (3) I, II. Prerequisites: science emphasis and EMG 390. Study of materials and methods for teaching science in grades five through eight. Twenty hours of field/criminal experience.

493 Social Studies in the Middle Grades. (3) I, II. Prerequisites: social studies emphasis, EPY 318, and EMG 390. Theory, content, and practice of teaching social studies in the middle grades. Twenty hours of field/criminal experience.

494 English and Communication in the Middle Grades. (3) I, II. Prerequisites: English communications emphasis and EMG 445. Study of effective techniques and strategies for teaching English and communication skills in the middle grades. Twenty hours of field/criminal experience.

499 Supervised Student Teaching in the Middle Grades. (6-12) I, II. Prerequisite: methods courses in areas of specialization. Observation, participation, and responsible classroom teaching with related professional activities.

567 Curriculum and Instructional Strategies for Home Economics in the Middle Grades. (3) A. Prerequisite: certification in home economics. Study of curriculum content, instructional materials, and strategies appropriate for home economics instruction in the middle grades.

568 Curriculum and Instructional Strategies for Technology Education in the Middle Grades. (3) A. Prerequisite: certification in industrial education. Study of curriculum content, instructional materials, and strategies appropriate for industrial arts education instruction in the middle grades.

GRADUATE COURSES

767 Curriculum and Instructional Strategies for Home Economics in the Middle Grades. (3) A.
768 Curriculum and Instructional Strategies for Industrial Arts in the Middle Grades. (3) A.
806 Reading Instruction in the Middle School. (3) A.
810 Middle School Curriculum. (3) A.

LIBRARY SCIENCE

Course Descriptions

LIB—Library Science

301 Children's Literature and Related Materials. (3) I, II. Prerequisites: ENG 101 and 102, or 105. Survey course designed for teachers and media librarians planning to work with children. Emphasis on media to supplement the school curriculum and to encourage recreational reading for ages 1-10.

349 Cooperative Education. (1-8) A. Elective credit offered through work experiences for students seeking teacher certification. Minimum of 80 hours work required for one credit hour. Maximum hours to be earned: six in summer; eight during semester; sixteen in bachelor's program.

499 School Media Practicum. (4) II. Gives the trainee practical experience in many phases of school media service including circulation routines, teaching children the use of reference materials, and assisting in cataloging new books and materials. Reading guidance, story telling, and organization of unit materials are stressed.

500 Organization and Administration of the School Media Center. (3) A. Prerequisite: admission to teacher education program. Philosophy, objectives, and administration of the media center in the elementary and secondary schools.
501 Literature and Related Materials for Adolescents. (3) A. For teachers and media librarians planning to work with adolescents. Emphasis on media to supplement the school curriculum and to encourage recreational reading for ages 11-14. Book selection, reading interests, and needs of adolescents are stressed as well as the various types of materials for use by and with adolescents.

502 Literature and Related Materials for Young Adults. (3) A. For teachers and school media librarians planning to work with young adults. Emphasis on media to supplement school curriculum and encourage recreational reading for young adults, ages 14 and up. Stresses reading interests, levels, and needs for young adults, including types of materials suitable for more mature students and problems of selection.


512 Reference. (3) A. Provides information for satisfactory use of library resources. Stresses essential reference work including, dictionaries, encyclopedias, atlases, yearbooks, periodical indexes, and the more important subject and trade bibliographies.

513 Classification and Cataloging. (3) A. Fundamental principles and methods of classification and cataloging of books and related materials. Attention on classification and cataloging of books for school media centers.

563 Preparation of Instructional Media. (3) A. Selection and preparation of free and inexpensive materials, displays, graphics, models, bulletin-board utilization, mounting, and preserving of materials.

569 Instructional Media, Computers, and Technology. (3) I, II. A course designed to instruct students in the philosophy and techniques of the effective utilization of instructional media and technology.

GRADUATE COURSES

700 Organization and Administration of the School Media Center. (3) A.

701 Literature and Related Materials for Adolescents. (3) A.

702 Literature and Related Materials for Young Adults. (3) A.

711 Non-book Instructional Materials. (3) A.

721 Reference. (3) A.

731 Classification and Cataloging. (3) A.

763 Preparation of Instructional Media. (3) A.

769 Instructional Media, Computers, and Technology. (3) I, II.

801 School Library Practicum. (3) A.

805 Advanced Children's Literature. (3) A.

807 Library Science. (1-3) A.

SECONDARY AND HIGHER EDUCATION (TEACHING)

R. McCann, Program Coordinator

Professional education counseling, professional education courses, and supervision of student teaching are services provided undergraduate students preparing to be secondary school teachers. Graduate level offerings are provided for students seeking advanced professional preparation in secondary education.

Course Descriptions

ESE—Secondary Education

307 Clinical Experiences for Teachers. (1-3) A. Prerequisite: departmental chair approval. Provides clinical experiences such as observations, participation, and tutoring for prospective teachers in locations such as the learning lab. May be retaken to a maximum of six hours.

349 Cooperative Education. (1-8) A. Elective credit offered through work experiences for students seeking teacher certification. Minimum of 80 hours work required for one credit hour. Maximum hours to be earned: six in summer, eight during semester; sixteen in bachelor's program.

366 Methods of Teaching Home Economics. (4) II. Prerequisites: EDF 202 and EDF 317. Philosophy of home economics education methods teaching in school and out-of-school groups; selection, development, and use of instructional materials.


379 Music Education: Principles and Practices II. (3) II. Prerequisite: ESE 378. Acquaints students with a balanced music education curriculum in the secondary school. Emphasis on understanding and planning a developmental sequence to assure musical growth of 7-12 grade pupils.

440 Teaching Art in the Secondary School. (3) II. Prerequisite: senior standing in art education. Relation of adolescent maturation levels and art experiences, planning for organization, and philosophy of art education in the secondary school.

441 Teaching of Biology in the Secondary School. (3) II. Modern materials and methods for teaching biology in secondary schools.

443 Teaching of the Language Arts in the Secondary School. (3) II. Prerequisite: major or minor in English, French, German, or Spanish, or speech. Study of effective methods of instruction in language arts; emphasis on programming, lesson planning, and evaluating.

449 Teaching of Social Studies in the Secondary School. (3) II. Trends; objectives, teaching learning techniques, and understanding of social studies as keys to development of understanding of social relations.

450 Teaching of Mathematics in the Secondary School. (3) II. Prerequisite: 18 hours college mathematics or departmental C&I chair approval. Historical background of the mathematics curriculum; modern curricular developments in secondary school mathematics; improvement programs for school mathematics; texts and materials.

451 Teaching of Physical Science in the Secondary School. (3) II. Prerequisite: major or minor in the physical sciences. Review of fundamentals of chemistry and physics. New techniques useful in teaching principles of physical science in the classroom and laboratory.

452 Teaching of Industrial Arts in the Secondary School. (3) II. Function and objectives of industrial arts; the industrial arts curriculum; methods of presentation; planning, equipping, and organizing the laboratory; instructional materials; evaluation of student achievement.

453 The Home Economics Curriculum. (3) II. Prerequisite: instructor approval. Current trends in home economics programs for secondary school students, out-of-school youth, and adults; curriculum planning; organization and administration of the department; construction and use of evaluation instruments.

457 Instrumental Methods and Materials. (2) I, II. The role, objectives, and methods of instrumental music in public schools.

458 Choral Methods and Materials. (2) I, II. The role, objectives, and methods of choral music in public schools.

466 Teaching of Physical Education in the Secondary School. (3) I, II. The role of physical education in secondary schools; implication for the physical education curriculum, unit and lesson planning, methods and materials of teaching.

470 Materials and Methods of Teaching Typewriting. (2) A. Educational psychology and learning theory related to current methods, materials and techniques of teaching typewriting; observation of and participation in teaching situations; measuring and evaluating student progress with emphasis on methods of remediation.

471 Methods and Materials in Teaching Accounting and Basic Business. (2) A. Current methods, materials, and techniques of teaching basis business courses; participation in and observation of actual teaching situations; measurement and evaluation of student progress.

472 Methods and Materials in Teaching Shorthand, Transcription, and Office Practice. (2) A. Current methods, materials, and techniques of teaching; participation in and observation of actual teaching situations; various types of organizational plans for office practice; measurement and evaluation of student progress.

487 Teaching of Health Education in the Secondary School. (3) II. Methods, materials, and curriculum design in secondary health education; characteristics and health needs of secondary students.

498 Fundamentals of Secondary Education. (3) I, II. Prerequisites: EDF 202 or 300; EDF 317 or EPY 318. Responsible classroom
teaching through experiences in study, discussion, and organizing materials.

499 Supervised Student Teaching. (12) I, II. Prerequisite: ESE 498. Observation, participation, and responsible classroom teaching including related professional activities.

500 The School Health Program. (3) A. Organizational patterns necessary for an efficient, well-coordinated health program. Interrelated roles of health services, health instruction, and healthful school living; role of the school health coordinator.

507 Problems in Secondary Education. (1-3) A. Prerequisite: advisor/departmental chair approval. Independent work, special workshops, special topics, or seminars.

563 Occupational Programs in Home Economics. (3) A. Prerequisite: instructor approval. Development of occupational programs in vocational home economics including philosophy, curriculum, space, and equipment needs, teaching methods and materials, program evaluation, and federal state funding.

564 History and Philosophy of Industrial Education. (3) A. History of industrial education from its early beginnings to the present; the contributions of leaders; movements in the development of industrial and vocational education, modern concepts of industrial education.

565 Workshop in Home Economics Education. (1-3) A. Prerequisite: instructor approval. Concentrated work on a current aspect in vocational home economics. May be retaken to a maximum of six hours.

566 Special Problems in Home Economics Education. (1-3) A. Prerequisite: instructor approval. The student chooses a problem and works under the supervision of the instructor.

575 Methods and Materials for Teaching English as a Second Language. (3) A. The study of effective methods of Teaching English as a Second Language (TESL). Thirty hours of field experiences are required.

578 Music in Special Education. (3) A. Prerequisite for non-music majors: ELE 352 or instructor approval. Music in education of the handicapped and the gifted. Exploration and development of special teaching techniques and resources.

587 Health Education in the Secondary School. (3) I. Philosophy and principles of health education and curriculum design. Attention given to writing behavioral objectives, utilizing learning opportunities, and developing evaluation instruments for the various content areas.

GRADUATE COURSES

700 The School Health Program. (3) A.
707 Problems in Secondary Education. (1-3) A.
763 Occupational Programs in Home Economics. (3) A.
764 History and Philosophy of Industrial Education. (3) A.
765 Workshop in Home Economics Education. (1-3) A.
766 Special Problems in Home Economics Education. (1-3) A.
774 Teaching Reading in the Secondary School. (3) A.
775 Methods and Materials for Teaching English as a Second Language. (3) A.
778 Music in Special Education. (3) A.
787 Health Education in the Secondary School. (3) I.
804 Test and Measurement in Business Education. (3) A.
806 Current Principles, Trends, and Issues in Business Education. (3) A.
807 Secondary Education:________. (3) A.
810 Improvement of Instruction in Shorthand and Transcription. (3) A.
811 Humanistic Teaching - Strategies and Behaviors. (3) I, II.
812 Curriculum Theory and Development. (3) A.
820 Improvement of Instruction in Typewriting. (3) A.
835 Improvement of Instruction in Accounting and Basic Business. (3) A.
841 Methods and Materials for Science Education. (3) A.
842 Administration and Supervision in Business Education. (2) A.
843 Trends and Materials in the Teaching of English. (3) A.
849 Trends and Materials in Social Studies. (3) A.
850 Trends and Materials in the Teaching of Mathematics. (3) A.
855 Gifted and Talented Youth. (3) A.
856 Curriculum in Gifted/Talented Education. (3) A.
857 Seminar: Gifted/Talented Education. (3) A.
858 Practicum in Gifted/Talented Education. (3) A.
860 Curriculum Development in Home Economics. (3) A.
861 Supervision of Home Economics. (3) A.
862 Philosophy of Home Economics Education. (3) A.
863 Secondary School Curriculum. (3) II.
865 Seminar in Home Economics Education. (1-3) A.
866 Curriculum Design in Physical Education. (3) I.
867 Evaluation in Home Economics Education. (3) A.
868 Research in Home Economics Education. (1-6) A.
871 Special Problems in Industrial Arts Education. (1-6) A.
872 Curriculum Practices and Trends in Industrial Education. (3) I.
873 Seminar in Industrial Arts Education. (3) A.
874 Supervision and Administration in Music Education. (3) A.
875 Current Trends in Secondary Music. (2) A.
876 Curreni Trends in Elementary Music. (2) A.
877 Practicum in Remedial Reading. (3) A.
878 Principles of Music Education. (3) I.
879 Foundations of Music Education. (3) II.
880 Problems in Music Education. (1-3) I, II.
881 Workshop in Music Education. (1-4) Summer only.
882 Curriculum Development in Music Education. (3) A.
884 Organization and Administration of Instrumental Music. (2) A.
890 Field Experiences in Secondary Education. (1-3) A.
898 Project Development. (3) A.
899 Specialist Project. (3) A.

EHE—Higher Education

807 Problems in Higher Education. (1-3) A.
880 Organization and Supervision of Student Teaching. (3) A...

DEPARTMENT OF SPECIAL EDUCATION

K. Janssen, Acting Chair; Bolling, Carr, Eldot, Haas, Harris, Jaussi, Lasseter, Leung, Mahanna-Boden, Meckler, Nelson, Sultana.

The Department of Special Education prepares special educators, speech-language pathologists, and personnel who work in a variety of related settings. Programs are offered leading to B.S. and M.A. degrees in three areas of special education (learning and behavior disorders, trainable mentally handicapped, hearing impaired) and in communication disorders (speech-language pathology). Teaching and non-teaching options are available in these programs. A two-year Associate of Arts Degree is offered in Interpreting for the Deaf, which allows the graduate to pursue national certification. A non-degree option is also available in this program.

The B.S. in special education entitles the graduate to be eligible to apply for a provisional teaching certificate K-12 in the area of specialization and a provisional teaching certificate for the elementary classroom (grades K-4 or 5-8). The areas of specialization include learning and behavior disorders, trainable mentally handicaps, and hearing impaired. Students majoring in communication disorders are eligible for a provisional teaching certificate K-12 in speech and communication disorders.
Fifth and sixth year programs are offered which lead to Rank I and I certification. Based on K-4 or 5-8 certification, graduate students can obtain K-12 certification. Based on a high school teaching certificate, graduate students can obtain an endorsement for 7-12 in learning and behavior disorders or in hearing impaired. Director of Special Education is offered in a sixth year program. Graduate programs are offered leading to the Master of Arts in Education and Specialist in Education degrees in special education.

In addition, the graduate program in Communication Disorders prepares the student for eligibility to receive state licensure and/or national certification in speech-language pathology.

LEARNING AND BEHAVIOR DISORDERS
AND TRAINABLE MENTALLY HANDICAPPED
G. Carr, Program Coordinator

Special Education
MAJOR, SPECIALIZATION IN LEARNING AND BEHAVIOR DISORDERS (K-12) WITH EARLY ELEMENTARY CERTIFICATION (K-4)
(BACHELOR OF SCIENCE)

Special Education Requirements ........................................ 30 hours
SED 104, 240, 341, 351, 356, 357, 388, 434, 438, and 518.

Elementary Education (K-4) Requirements ......................... 18 hours
ELE 445, 446, 490, 491, 492, and 495.

Supporting Course Requirements .................................... 19 hours
ELE 322, 361, 362, 365, LIB 301, and MAT 201, 202.

Teacher Education Requirements ..................................... 22 hours
EDF 102, 202, 317, EPY 318, ELE 499, and SED 499.

General Education Requirements ..................................... 40 hours
Standard General Education program, excluding course categories 03 and 04. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ................................................ 9 hours
EDO 100; eight hours restricted electives.

Total Curriculum Requirements ...................................... 138 hours

Special Education
MAJOR, SPECIALIZATION IN TRAINABLE MENTALLY HANDICAPPED (K-12) WITH MIDDLE GRADES CERTIFICATION (5-8)
(BACHELOR OF SCIENCE)

See advisor early in the program

Special Education Requirements ........................................ 30 hours

Middle Grades (5-8) Requirements ................................. 24-36 hours
EDF 102, 202, 317, EPY 318, EMG 390, 445, 447; three hours from EMG 491, 492, or 493.

Teaching Field/Area of Emphasis
24 hours in an area of emphasis chosen from: English and Communications, Mathematics, Science, or Social Studies. (Up to 12 hours in General Education requirements may apply toward the teaching field.)

Supporting Course Requirements .................................... 9 hours
Art or Music (see advisor), MAT 201, 202.

Teacher Education Requirements ..................................... 22 hours
EDF 102, 202, 317, EPY 318, ELE 499, and SED 499.

General Education Requirements ..................................... 40 hours
Standard General Education program, excluding course categories 03 and 04. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ................................................ 9 hours
EDO 100; eight hours restricted electives.

Total Curriculum Requirements ...................................... 134-146 hours
Special Education (Non-Teaching)
MAJOR (BACHELOR OF SCIENCE)

Major Requirements ........................................ 36 hours
SED 104, 260, 341, 356, 375 (nine hours over a minimum of
two semesters), 388, 438, and 518.
For an emphasis in LBD: SED 351 and 434.
For an emphasis in TMH: SED 353 and 435.
For an emphasis in HI: SED 337 and 380.

Supporting Course Requirements ......................... 12 hours
EDF 317 and EPY 318; six hours from the following: REC
311, 511, PHE 562, or ESE 578.

Minor Requirements** ...................................... 18 hours
General Education Requirements .......................... 46 hours
Standard General Education program. Refer to Part Three of
this Catalog for details on the General Education and University
requirements.

University Requirements ................................... 9 hours
EDO 100; eight hours restricted electives.

Free Electives .................................................. 7 hours

Total Curriculum Requirements ............................ 128 hours

**Refer to Part Three of this Catalog for list of minors offered.

MINOR IN SPECIAL EDUCATION

Planned 18 semester hours under special education advise-
ment. The planned program will be consistent with student’s
professional objectives. Prerequisites must be honored. Candi-
dates should contact the department for specific requirements
of the minor.

COMMUNICATION DISORDERS AND HEAR-
ING IMPAIRED PROGRAMS

J. Bolling, Program Coordinator

Special Education

MAJOR, SPECIALIZATION IN HEARING IMPAIRED
(K-12) WITH EARLY ELEMENTARY CERTIFICATION
(K-4) (BACHELOR OF SCIENCE)

Special Education Requirements ................................ 39 hours
SED 104, 240, 260, 337, 338, 356, 375, 380, 388, 438, 510,
518, and 581.

Elementary Education (K-4) Requirements ................. 18 hours
ELE 322, 361, 362, 365, LIB 301, and MAT 201, 202.

Supporting Course Requirements .......................... 19 hours
EDF 102, 206, 317, EPY 318, ELE 499, and SED 499.

Teacher Education Requirements ........................... 22 hours
EDF 102, 206, 317, EPY 318, ELE 499, and SED 499.

General Education Requirements .......................... 40 hours
Standard General Education program, excluding course cat-
egories 03 and 04. Refer to Part Three of this Catalog for
details on the General Education and University requirements.

University Requirements ................................... 9 hours
EDO 100; eight hours restricted electives.

Total Curriculum Requirements ............................ 147 hours

Special Education

MAJOR, SPECIALIZATION IN COMMUNICATION
DISORDERS, (TEACHING AND NON-TEACHING)
(BACHELOR OF SCIENCE)

Major Requirements ....................................... 52-66 hours
Teaching ...................................................... 66 hours
SED 104, 250, 274 (to a maximum of two hours),
275, 285, 360, 365, 372, 373, 374, 380, 465, 474,
475, 477, 485, 491, 492, 499, 565, and 587.

Non-Teaching ................................................ 52 hours
SED 104, 250, 274 (to a maximum of two hours),
275, 285, 360, 365, 372, 373, 374, 380, 465, 474
(to a maximum of four hours), 475, 477, 485, 565,
and 587.

Supporting Course Requirements .......................... 19-25 hours
Teaching ...................................................... 19 hours
BIO 171 and 301, 302, 303, or 371; EDF 102,
206, and 317; PHY 101 or NAT 171; PSY 201 or
202.

Non-Teaching ................................................ 25 hours
BIO 171 and 301, 302, 303, or 371; EDF 102,
206, and 317; MAT 106 or 107; PHY 101 or NAT
171; PSY 201 or 202; SPE 100, 200 or 210.

General Education Requirements .......................... 37 hours
Standard General Education program, excluding course cat-
egories 13, 14, and 15. Refer to Part Three of this Catalog for
details on the General Education and University require-
ments.

University Requirements ................................... 9 hours
EDO 100; eight hours restricted electives.

Free Electives .................................................. 0 hours

Total Curriculum Requirements ............................ 131 hours
Teaching ...................................................... 6 hours
Non-Teaching ................................................ 129 hours
Special Education with Emphasis in Interpreting for Deaf Individuals

ASSOCIATE OF ARTS

Major Requirements ........................................... 33 hours
SED 110, 240, 280, 281, 282, 283, 284, 339, 375 (nine hours over two semesters).

Supporting Requirements ................................... 33 hours
EDO 100, SED 105, 260, 337, 338, six hours of English composition*, three hours general education humanities*, three hours general education social science*, three hours general education social science*, and four hours restricted electives.

Total Curriculum Requirements ............................ 66 hours

CERTIFICATE OF COMPLETION FOR INTERPRETING FOR DEAF CHILDREN AND YOUTH

Requirements .................................................. 45 hours
SED 105, 110, 240, 260, 261, 282, 283, 284, 337, 338, 339, 375 (nine hours over two semesters).

Course Descriptions

SED—Special Education

90 Speech-Language Laboratory. (3) I, II. Clinical approach to communication problem(s). Instruction in proper use of speech mechanism. Individualized remediation of articulation, fluency, language, and voice problems. Concurrent enrollment in Speech-Language-Hearing Clinic may be required. Institutional credit; cannot be used toward graduation.

104 Special Education Introduction. (3) I, II. A. Complete overview of major categories of exceptionalities and special education. Observations of special education services. Open to non-majors.

105 Psychology of Deafness. (3) A. Overview of the psychological, sociological, and cultural impacts of deafness upon children and adults. Explores how deafness can affect the individual's development in language, communication, cognition, and psychological-social-emotional growth. Examines historic relations between deaf and hearing, and compares deaf culture with that of the hearing world.


240 Communication Skills for the Hearing Impaired. (3) I, II, A. Basic principles of manual communication and fingerspelling. Builds an expressive and receptive vocabulary of at least 1,000 signs to enable communication with individuals who use total communication. (1-3 Lec./Lab).

250 Phonetics of Normal and Defective Speech. (3) I. Study of the articulatory postures and movements used to produce standard English and defective sounds. Introduction of the International Phonetic Alphabet and practice in using it to transcribe both normal and defective speech.

260 Language and Speech Disorders of Exceptional Children. (3) I, II. Prerequisite: SED 104 or instructor approval. Acquisition of normal language and speech in our multicultural society. Identification and educational management of language and speech disorders in exceptional children.

271 Characteristics of Learning and Behavior Problems. (3) I, II. Prerequisite: SED 104 or instructor approval. Handicapping conditions due to physical, sensory, motor, intellectual, or emotional problems. Characteristics of educable mental retardation, learning disabilities, emotional disturbance (behavior disordered), physically handicapped. Utilization of prosthetic devices.

272 The Trainable and Severely Mentally Handicapped. (3) II. Prerequisite: SED 104 or instructor approval. Emphasis on moderate, severe, and profound retardation. Characteristics of moderate and severe retardation; theories of intelligence; adaptive behavior; etiology; history; residential programs: educational, social, psychological implications.

274 Prepracticum in Speech Pathology. (1) I, II. Techniques of observation and directed clinical observation of therapeutic or diagnostic services with communication-disordered individuals. Must be taken for two semesters. Students must accumulate 25 clock hours of observation by end of second semester.

275 Communication Disorders: A Survey. (3) I. Introduction to the nature and causes of speech, language, and hearing disorders. An overview of the field of communication disorders.

280 Linguistics of American Sign Language. (3) I. Prerequisite: SED 240, 339 or instructor approval. Intermediate-level expressive and receptive skills in American Sign Language, non-manual cues, rules of grammatical formation, specific lexical items and their parameters, semantics, syntactics, and pragmatics.

281 Advanced Linguistics of American Sign Language. (3) II. Prerequisite: SED 240, 339, 280 or instructor approval. Development of advanced conversational skills, further exploration of parameters, pragmatics, semantics and syntax.

282 Interpreting in Educational, Medical, and Legal Situations. (3) II. Specialized skills designed for interpreter competence in educational, legal, medical, employment, and performing arts settings. Terminology; legal rights, role and responsibilities of client and interpreter in each setting.

283 Interpreting for Hearing Impaired Individuals with Special Needs. (3) I. Identification and definition of interpreting needs of special populations. Methods and materials used with each.

284 Reverse Interpreting and Transliteration. (3) I. Prerequisite: SED 240, 339, 280 or instructor approval. Training and practice in sign-to-voice interpreting for educational and other special settings. Students will study and practice a variety of skills critical to voice interpreting, such as lipreading, receptive fingerspelling, prediction, and decoding of manual signs and non-manual behaviors.

285 Anatomy and Physiology of Speech and Hearing Mechanisms. (3) I. Prerequisite: SED 275, BIO 171, or instructor approval. Introduction to the anatomical and physiological bases of hearing, respiration, phonation, resonance, and articulation.

377 Education of the Hearing Impaired. (3) A. Prerequisite: SED 104 or instructor approval. Study of personality, intellectual, and emotional development of the hearing impaired. Emphasis on social maturity, motor functioning, multiple handicaps and the significant history of educational programs at all levels.

378 Instruction in Language and Literacy for the Hearing Impaired. (3) A. Prerequisite: SED 260 or instructor approval. Reading and written language acquisition from a developmental perspective. Concepts in bilingual education applied to deaf children. Materials and methods in teaching reading and writing.

379 Intermediate Communication Skills. (3) I. II. Prerequisite: SED 240 or instructor approval. Expressive and receptive skills in American Sign Language (ASL), Sociolinguistic considerations of ASL.


343 Cooperative Education. (1-4) A. Elective credit offered through work experiences for students seeking teacher certification. Minimum of 80 hours work required for one credit hour. Maximum hours to be earned: six in summer; eight during semester; sixteen in bachelor's program.

351 Special Educational Assessment. (3) I. II. Prerequisites: SED 104 and 260, or instructor approval. Principles and application of educational assessment of learning and behavior disordered students. Educational interpretation of assessment outcomes.

353 Assessment of Trainable Mentally Handicapped Students. (3) A. Prerequisite: SED 104 or instructor approval. Principles and application of psychological and educational assessment of trainable
and severely mentally handicapped students. Educational interpretation of assessment results.

356 Special Education Methods and Materials. (3) I, II. Prerequisites: SED 351, 353, or instructor approval. Curriculum for exceptional individuals; instructional methodologies; implementation and evaluation of instructional and management programs; development of special education instructional materials.

360 Normal Speech and Language Development. (3) I. Normal speech and language acquisition; basic linguistic concepts and theories; language deviance/difference.

365 Language Disorders: Assessment. (3) I. Prerequisites: SED 275, 360, or instructor approval. Methods of assessing language content/form/use. Assessment techniques will include standardized tests, language sampling and analysis, and observational techniques and scales.

372 Diagnostic and Management Techniques in Communication Disorders. (3) II. Prerequisites: 250 and 275. Survey and application of diagnostic and therapy management techniques, procedures for client evaluation, program planning and implementation. Laboratory and observation experiences may be required.

373 Speech Pathology: Articulation. (3) I, II. Prerequisites: SED 250 and 275. Characteristics and principles of diagnosis and treatment of articulation problems.

374 Practicum in Speech Pathology. (3) I, II. Prerequisites: 25 hours of observation in communication disorders, SED 372, 373, and 2.8 GPA in major; or instructor approval. Supervised clinical practice in communication disorders. Repeatable.

375 Practicum in Special Education. (3-6) I, II. Prerequisite: departmental approval. A supervised practicum. Educational assessment, behavior management, and individual educational planning (IEP). Recommended take concurrently with SED 434 or 435 for LBD/TMH majors.

380 Introduction to Clinical Audiology. (3) I, II. Physics of sound; anatomy, physiology, pathology, and medical treatment of the auditory system; introduction to the audiometer; basic pure-tone and speech (auditory) testing.

388 The Handicapped in Career Education Programs. (3) I, II. Educational management of handicapped and disadvantaged pupils in industrial, agricultural, home economics, business, and technical education settings. Open to non-majors.

400 Exceptional Students in Regular Classrooms. (3) I, II. Selient features of Public Law 94-142. Implications for regular education including characteristics of mainstreamed students, identification, instructional strategies, and behavior management. Collaborative roles and responsibilities of regular educators. Appropriate field experiences required. Non-majors only.

434 Prescriptive Programming for Learning and Behavior Disordered Children. (3) I, II. Prerequisite: SED 351, 356, or instructor approval. Curriculum design, analysis, and application of instructional materials for learning and behavior disordered students. Design, implementation, and evaluation of individualized education programs. Recommended take concurrently with SED 375.

435 Prescriptive Programming for Trainable Mentally Handicapped Students. (3) A. Prerequisites: SED 353, 356, or instructor approval. Curriculum design, analysis, and application of instructional materials for trainable mentally handicapped students. Design, implementation, and evaluation of individualized programs based upon educationally relevant characteristics of trainable mentally handicapped students. Recommended take concurrently with SED 375.

438 Special Education Instructional Programs. (3) I, II. Prerequisites: GPA of 2.8 in major and SED 374; or instructor approval. Advanced supervised clinical practice in communication disorders. Repeatable.

465 Disorders of Fluency. (3) I. Prerequisite: SED 275. Lectures and selected readings in the theoretical, etiological, and developmental views of assessment and management of stuttering problems in children. Recommended take concurrently with SED 275.

474 Advanced Practicum in Speech Pathology. (3) II, I. Prerequisites: SED 275. Lectures and selected readings in the theoretical, etiological, and developmental views of assessment and management of stuttering problems in children. Recommended take concurrently with SED 275.

475 Disorders of Phonation. (3) II. Prerequisites: SED 275 and 285. Lectures and selected readings in etiological perspectives of functional and organic voices disorders; assessment, classification, and treatment designs for vocal pathologies in children.

477 Practicum in Audiology. (1) II. Prerequisites: SED 380, 485, and 587; or instructor approval. Supervised clinical practice in audiology. Repeatable.

485 Audiology. (3) II. Prerequisite: SED 380. Practical experience with traditional pure-tone and speech (auditory) testing and with special diagnostic assessment of adults and children; effective masking principles, calibration of audiometers, and analyzing and interpreting audiological results. Lec/Lab.

491 School Methods for Communication Disorders. (3) I, II. Prerequisite: advisor approval. Organization and management of speech-language therapy programs in the schools.

492 Practicum in Identification of Communication Disorders. (1) I, II. Prerequisites: advisor approval. Administration of group screening procedures for the identification of articulation, language, voice, fluency, and/or hearing problems.

499 Supervised Student Teaching in Special Education. (6-12) I, II. Prerequisite: advisor approval. Observation, participation, and teaching or clinical work in the special educational situation in the selected area of exceptionality.

507 Problems in Special Education. (1-3) A. Prerequisite: advisor approval. Departmental chair approval. School-related work, special workshops, special seminars. May be repeated with different descriptions.

510 Assessment, Curriculum, Methods in Content Area for Hearing Impaired. (3). A. Prerequisites: SED 240 and 260, or instructor approval. Basic types and properties of standardized norm-referenced, criterion-referenced and informal tests. Sample curricula from schools for deaf in content areas: science, math, social science. Teaching methods and methods of learning.

518 Special Education in Early Childhood. (3) I, II. Prerequisites: SED 104 or 575, SED 260, or instructor approval. Overview of special education services and legislation related to handicapped young children ages birth to six; impact of handicaps across developmental domains.


574 Field Experiences with Exceptional Children. (3) A. Prerequisite: departmental chair approval. A practicum experience with exceptional children; behavior management, educational assessment, and individual educational planning (IEP).

575 Nature and Needs of Exceptional Students. (3) A. Overview of special education including characteristics, definitions, programming, and supporting research. Open to non-majors.

576 Introduction to Special Education Assessment. (3) A. Prerequisite: SED 575 or instructor approval. Principles of tests and measurements. Test administration, scoring, and interpretation applied to LBD, HI, and TMH. Application of assessment data to interdisciplinary teams.

577 Mental Retardation (3) A. Prerequisite: SED 575 or instructor approval. Mental retardation as an educational, psychological, and sociological phenomenon. Definitions, characteristics, theoretical foundations, and programmatic approaches.

578 Behavior Disorders. (3) A. Prerequisite: SED 575 or instructor approval. Behavior disorders and/or emotional disturbances as an educational, psychological, and sociological phenomenon. Definitions, characteristics, theoretical foundations, programmatic approaches.

579 Learning Disabilities. (3) A. Prerequisite: SED 575 or instructor approval. Definition, and assessment of learning disabilities. Emphasis on theories related to specific learning methodologies.

581 Speech for the Hearing Impaired. (3) A. Prerequisites: SED 260 and 336, or instructor approval. Phonological development, acoustic articulation, rhythm, phrasing, accent, fluency, effects of impairment on speech, speech reading, auditory training.

587 Aural Rehabilitation. (3) I. Prerequisite: SED 485. Hearing aid evaluation, dispensing, and orientation; audiology in private practice; auditory, visual, tactile-kinesthetic perception; management of speech production; vocational audiology; speech reading and auditory training; importance of parental participation.

590 Behavior Modification in School Settings. (3) A. Prerequisite: SED 575 or instructor approval. Behavior analysis applied to classroom and instructional management. Development of skills in data collection, intervention procedures, and evaluation of behavior change.

591 Instruction of Secondary Learning and Behavior Disordered Students. (3) A. Prerequisites: SED 104, 351, or instructor approval.

593 Teaching Students with Learning and Behavior Disorders. (3) A. Prerequisite: SED 575, 576, 578, or 579 or instructor approval. Individual Education Programs for LBD students, based on assessment information and in accordance with legal mandates and regulations. Curriculum designs, material and program evaluation.

GRADUATE COURSES

707 Problems in Special Education:_____ (1-3) A.
710 Assessment, Curriculum, Methods in Content Area for Hearing Impaired. (3) A.
718 Special Education in Early Childhood. (3) I, II.
765 Seminar: Language Disorders. (3) II.
774 Field Experiences with Exceptional Children. (3) A.
775 Nature and Needs of Exceptional Students. (3) A.
776 Introduction to Special Education Assessment. (3) A.
777 Mental Retardation. (3) A.
778 Behavior Disorders. (3) A.
779 Learning Disabilities. (3) A.
781 Speech for the Hearing Impaired. (3) A.
787 Aural Rehabilitation. (3) A.
790 Behavior Modification in School Settings. (3) A.
791 Instruction of Secondary Learning and Behavior Disordered Students. (3) A.
793 Teaching Students with Learning and Behavior Disorders. (3) A.
800 Exceptional Learners in the Regular Classroom. (3) A.
802 Psychology of Exceptionality. (3) A.
803 Advanced Special Education Assessment. (3) A.
804 Educational Management of Learning and Behavior Disordered Students. (3) A.
805 Roles of Special Education Teachers. (3) A.
806 Educational Management for the Trainable Mentally Handicapped. (3) A.
807 Special Education:_____ (1-3) A.
808 Multihandicapped Hearing Impaired. (3) A.
809 Diagnostic/Prescriptive Teaching of the Hearing Impaired. (3) A.
810 Special Education Leadership and Administration. (3) A.
814 Special Education Consultation and Supervision. (3) A.
816 Practicum in Special Education Administration. (6) A.
820 Language Disorders of Exceptional Children. (3) A.
830 Survey of Education for the Hearing Impaired. (3) A.
832 Advanced Language for the Hearing Impaired. (3) A.
864 Graduate Practicum: Audiology. (1) A.
865 Language Disorders of Learning-Disabled Children. (3) A.
866 Seminar in Pragmatics. (3) A.
867 Advanced Language Assessment. (3) A.
873 Seminar: Articulation Disorders. (3) I, A.
874 Graduate Practicum: Speech-Language Pathology. (1) A.
875 Seminar: Aphasia. (3) II, A.
876 Seminar: Phonation Disorders. (3) I, A.
877 Seminar: Fluency Disorders. (3) II, A.
878 Cleft Palate and Cerebral Palsy. (3) A.
882 Reading, Curriculum and Academic Subjects for the Hearing Impaired (3) A.
886 Seminar in Special Education. (3) A.
897 Practicum In Special Education. (3-6) A.
898 Project Development. (3) A.
899 Specialist Project (3) A.
Contemporary American society's concern for leisure, recreation alternatives, fitness, and healthful living is manifested by the expansion of vocations associated with these human needs and documented by the media's attention to these topics. The College of Health, Physical Education, Recreation, and Athletics has as a central focus the preparation of professionals to serve the public in these areas. Providing opportunities for enjoyment of leisure and the development of skills and habits necessary for full participation in healthful living are equally significant college functions. The utilization of all human resources in a complex technological society demands the full development of human potential.

PHILOSOPHY
The college recognizes the commonalities and interrelationships in an alliance of the disciplines of health, physical education, and recreation, and the area of athletics. In view of this, the college gives emphasis to the human factors involved in movement, mental and physical well-being, leisure, and skilled motor performance. These human factors are inextricably a part of the cognitive, affective, and psycho-motor domains of the human being. The college acknowledges the need for the development and maintenance of a healthy body that can respond effectively to the increasing demands of an ever-changing multi-faceted society.

GOALS
The programs in the College of Health, Physical Education, Recreation, and Athletics achieve the following goals:
(1) To provide quality teaching and an atmosphere that is conducive to learning.
(2) To provide a program of academic advising for students majoring in programs within the college.
(3) To provide selected general education courses.
(4) To offer associate, baccalaureate, graduate, and non-degree programs that meet students' interests and needs.
(5) To cooperate with other colleges in offering degree and non-degree programs that meet students' interests and needs.
(6) To provide leisure and academic services to the University.
(7) To provide public services in faculty areas of expertise.
(8) To support and engage in research which contributes to quality teaching and learning, to improvement of various disciplines, and to needed public service.
(9) To promote high level wellness as a way of life.
(10) Provide intercollegiate athletic teams in a variety of sports which are open to students of diverse backgrounds and behooving to an NCAA division I level of competition.

DEGREE PROGRAMS
Through its departments, the college offers four baccalaureate degree programs and a two-year Associate of Science curricula for undergraduate students. At the graduate level, the college offers Master of Science degrees in physical education, including a sports administration option, and recreation and park administration. The College of Education offers the Master of Arts in Education with an emphasis in health education, allied health sciences education, and physical education. The College of Social and Behavioral Sciences offers the Master of Public Administration with an option in community health administration. The departments in the College of Health, Physical Education, Recreation, and Athletics cooperate in presenting these programs, which are described in the Graduate Catalog.

DEGREE REQUIREMENTS
General University requirements described on page 31 in Part Three of this Catalog, as well as specific course requirements set forth in the description of curricula, must be met by students completing associate and baccalaureate programs administered by the College of Health, Physical Education, Recreation, and Athletics. See programs under each department for major and minor requirements. Common to all programs is the Academic Orientation course (CHO 100) of the College of Health, Physical Education, Recreation, and Athletics.

CHO—Health, Physical Education, Recreation, and Athletics Orientation
100 Academic Orientation (1) L. Designed to orient the student to University academic life and provide information on careers and preparation for them. Learning experiences include study of university regulations, college requirements, catalog, registration, career opportunities, and program requirements. Open to all students during their first two semesters of enrollment at EKU; beyond that open to students with fewer than 30 semester hours earned.
DEPARTMENT OF HEALTH EDUCATION

The Department of Health Education provides specialized courses in health education at the graduate and undergraduate level. At the undergraduate level, the department offers a Bachelor of Science in health education, with an emphasis in school health or community health. A student may major or minor in either emphasis. The graduate courses support the Master of Arts in Education degrees offered in the College of Education with an option in school health and allied health sciences education and the Master of Public Administration degree offered in the College of Social and Behavioral Sciences. The School Health option is designed for teachers certified in the public schools who wish to enrich their educational background or become certified to teach health education in the public schools. The option in allied health sciences education was established in response to the demand for qualified educators in the allied health fields. The intent of the program is to prepare allied health personnel to assume teaching roles in their areas of competencies. In cooperation with the College of Social and Behavioral Sciences, the department offers a Community Health Administration option in the Master of Public Administration degree. The purpose of this option is to prepare administrators who have health or health education as a component of their administrative responsibilities. Also, in conjunction with the College of Education, the department offers two graduate non-degree programs in school health: Rank II (Fifth Year) and Rank I (Sixth Year).

DEPARTMENT OF PHYSICAL EDUCATION

The Department of Physical Education offers the Bachelor of Science degree in physical education with seven different options. The options include secondary and K-12 teaching and non-teaching in general, athletic training, sports supervision, dance, and adult physical fitness. Students electing a teaching certificate must complete specified courses as set forth by the College of Education. It is recommended that students pursuing the non-teaching options support the major with an appropriate emphasis. Positions as sport, dance, or fitness specialists in private organizations, agencies, and public non-school settings are available to persons with physical education background.

The Master of Science degree in physical education is offered for qualified graduate students. This thirty-hour program of study is for persons studying the art and science of human movement for anticipated service in higher education or non-school settings. A Sports Administration option is available for prospective sport administrators. Information concerning admission standards and curriculum requirements are given in the Graduate Catalog.

The department offers courses for students seeking the Master of Arts in Education Degree, the Specialist in Education Degree, and Rank II and Rank I certification programs with options in physical education. For details, refer to the College of Education section of the Graduate Catalog.

DEPARTMENT OF RECREATION AND PARK ADMINISTRATION

The Department of Recreation and Park Administration offers two undergraduate degree programs and a graduate degree program. The curricula are an interdisciplinary approach to develop students for specific job employment whereby they receive training dealing with communications, human and natural resources, cultural and physical activities, and management skills. The focus is upon planning, organizing, and administering recreation programs and park services in a variety of settings.

The two-year Associate of Science degree program in recreation and park leadership is designed to prepare students for beginning entry level positions. The program requires students to develop practical skills needed for semi-professional recreation employment.

The four-year Bachelor of Science degree program in recreation and park administration is designed to prepare students for beginning supervisory and administrative roles in recreation and park agencies. Major core and supporting interdisciplinary course requirements prepare students in knowledge and techniques essential to leadership in recreation administration. The major requires students either to complete a minor in a related field or an option program that is most suited to their professional and career goals.

The graduate Master of Science degree program in recreation and park administration offers concentrated study and practical participation with an opportunity to focus upon administration, camping and outdoor recreation, or therapeutic recreation. See the Graduate Catalog for details.

A minor in recreation and park administration is offered to students majoring in other disciplines which will help prepare them for employment with recreation agencies in positions as park rangers, park planners, and commercial recreation leaders.

PLANNED CURRICULUM

Upon completion of 60 hours, a planned curriculum (which specifies the remaining graduation requirements) must be initiated by consulting the faculty advisor in the major department. Teaching majors must have been admitted to the Teacher Education Program prior to the preparation of a planned curriculum. Any subsequent change in the planned curriculum is proposed on forms available in the office of the advisor.

APPLICATION FOR GRADUATION

Students must file an application for graduation in the dean’s office no later than April 30 for December graduation and no later than October 31 for either May or August graduation. It will be the student’s own responsibility to plan and register for the proper courses to meet all graduation requirements.

GRADUATE COURSE CREDIT

Courses numbered in the 500 series are open to seniors who meet course and program prerequisites. Additional appropriate experiences are required of all graduate students enrolled in the 700 series. Courses numbered in the 800 series are open only to graduate students.

INTERCOLLEGIATE ATHLETICS

Donald G. Combs, Athletics Director
Martha Mullins, Assistant Athletics Director

Intercollegiate athletics is an integral part of the total college efforts in student development at Eastern. Experiences in athletics contribute immeasurably to the vitality and preparation of men and women for leadership positions in communities, in schools, and in other agencies throughout the Commonwealth and the nation.

The University provides 15 varsity sports within the Division of Intercollegiate Athletics. Varsity competition is organized within the National Collegiate Athletic Association and Ohio Valley Conference.

Eastern historically has been recognized for its competitive teams and its contribution to preparation of coaches, athletes, trainers, and other educational athletic professionals. Its athletes have won many individual national honors, and an impressive number have gone on to compete on national or professional teams.
Physical facilities for intercollegiate sport have kept pace with the success of teams. The support of the alumni and the community has proved to be a significant element in the continuing progress of program development.

INTRAMURAL PROGRAMS
M. Wayne Jennings, Director
Linda D. Sharpless, Assistant Director

The Division of Intramural Programs offers the University community a full range of recreational sports activities including: competitive team sports, dual and individual sports, informal recreation, club sports, special events, outdoor trips, and outdoor equipment rentals. The division conducts programs at three indoor facilities and at the McDonough Intramural Fields.

DEPARTMENT OF HEALTH EDUCATION
D. Calitri, Chair; Blankenship, Botta, Cahill, Erdmann, Grimes, Higgins, Hissom, Ison, McGuire, Ramsdell, Tanara, Thompson, Ward.

The purposes of the Department of Health Education are to provide programs in health education, with a major or minor in school health education and a major or minor in community health education. The department also teaches Personal and Community Health (HEA 281) as a part of the General Education component for all students.

Health Education
MAJOR, WITH AN EMPHASIS ON SCHOOL HEALTH (TEACHING) (BACHELOR OF SCIENCE)

Major Requirements .................................................30 hours
HEA 290, 450, 555, and 575; 18 hours from HEA 202 or 302, 203, 315, 345, 375, 380, 390, 498, 590, 592, 593, 595, NFA 201, PHE 315, and ESE 500.

Supporting Course Requirements .........................4 hours BIO 301 and 378.

Teacher Education Requirements .........................28 hours
EDF 102, 202, 317, EPY 318, ESE 487, 498, and 499.

General Education Requirements .........................42 hours
Standard General Education program, excluding course category 13. Refer to Part Three of this Catalog for details on the General Education and University Requirements.

University Requirements .........................................9 hours
CHO 100; eight hours of restricted electives.

Free Electives .................................................15 hours

Total Curriculum Requirements ................................128 hours

MINOR IN HEALTH EDUCATION WITH AN EMPHASIS ON SCHOOL HEALTH (TEACHING)

Minor Requirements ............................................21 hours
HEA 290, 345, 375, NFA 201, and ESE 587; six hours from HEA 202 or 302, 203, 315, 380, 390, 555, 590, 592, 593, and 595.

Health Education
MAJOR, WITH AN EMPHASIS ON COMMUNITY HEALTH (NON-TEACHING) (BACHELOR OF SCIENCE)

Major Requirements .............................................40 hours
HEA 290, 360, 440, 450, 463, 516, and 555; 18 hours from HEA 202 or 302, 203, 315, 345, 375, 380, 498, 590, 592, 593, 595, SOC 353, ESE 587 or 500.

Supporting Course Requirements ........................10 hours
BIO 301, 378, NFA 201, and LIB 569.

General Education Requirements .........................46 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements .........................................9 hours
CHO 100; eight hours of restricted electives.

Free Electives ..................................................23 hours
Total Curriculum Requirements ................................128 hours

MINOR IN HEALTH EDUCATION WITH AN EMPHASIS ON COMMUNITY HEALTH (NON-TEACHING)

Minor Requirements ............................................18 hours
HEA 290, 315, 360, 450, 516, and 555.

GRADUATE PROGRAMS

The Masters of Arts in Education degree with an emphasis in Allied Health Science Education, School Health Education, and fifth and sixth year non-degree programs in School Health Education are supported by the Department of Health Education. The regulations for these degrees can be found in the College of Education section of the Graduate Catalog. The Department of Health Education offers graduate level courses in support of the Master of Public Administration - Community Health Administration option offered by the Department of Government. The requirements for this degree option can be found in the College of Social and Behavioral Sciences section of the Graduate Catalog.

Course Descriptions

HEA—Health Education

202 Safety and First Aid. (2) I, II. Accident problems in the home, school, recreation, at work, and on the highways. Lecture and practical instruction in meeting emergencies of all types with emphasis on methods of rescue, breathing, bleeding, poison, burns, and shock. Credit will not be awarded for both HEA 202 and EMC 102.

203 Respiratory and Circulatory Emergencies (CPR). (1) I. II. Methods involved in the performance of cardio-pulmonary resuscitation, following American Red Cross Modular System. Completion of class certifies student with American Red Cross in CPR-life support. Credit will not be awarded for both HEA 203 and EMC 102.

281 Personal and Community Health. (2) I. II. Study of factors enabling intelligent health decisions as they relate to the physical, mental, and social health of self, family, and community at present as well as the years beyond the college days. Gen. Ed. 19.

290 Foundations of Health Education. (3) II. The history, foundational disciplines, and principles that led to the establishment of health education. The role of health education in the present health care system.

302 Advanced First Aid and Emergency Care. (2) I. II. First aid skills for specialized persons who are responsible for giving emergency care. Skills and knowledge attained provide the essential information
for developing the functional first aid capabilities as required by American National Red Cross.

315 Contemporary Health Problems. (3) II. Etiology, effects, remedial measures, and prevention of selected current health problems. Nature of current health issues and forces which shape them.

345 Drugs, the Individual and Society. (3) II. Effect of drug use and abuse on the individual and society. Personal and community approaches for promoting intelligent decision making regarding drugs.

349 Cooperative Study in Public Health. (1-8) A. Prerequisite: departmental approval. Work under faculty and field supervisors in a cooperative placement related to a student's drug academic studies. Credit varies with hours of employment; one-eight hours per semester or summer. May be taken to a maximum of 12 hours. Minimum 80 hours employment required for each semester hour credit.

360 Community Health Education Process. (3) II. Planning, organizing, delivering, and evaluating the community health education program.

375 Family Life Education. (3) I. Biophysical and psychosocial aspects of family living. Development of a wholesome attitude and sound values system towards sexuality and family living for those planning to work in community agencies. Credit will not be awarded for both HEA 375 and CDF 232 or PHI 350.

380 Mental Health Education. (3) I. Basic needs for mental and emotional wellness. Emphasis in the selection of appropriate activities for promoting mental health through community agencies.

390 Instructor of Standard First Aid and Personal Safety. (1) A. Designed to develop individual teaching techniques for first aid and to provide adequate knowledge and skills for instruction. Successful completion leads to American Red Cross certification as a Standard First Aid and Personal Safety instructor.

391 Instructor of Respiratory and Circulatory Emergencies. (1) A. Prerequisite: HEA 203 or current CPR Certification. A course designed to prepare instruct community respiratory and circulatory emergencies (CPR). Certification to teach the American Red Cross CPR (Modular System) and CPR: Race for Life (Modular System) will follow successful completion. Other related pedagogical methods will be explored.

440 Interpersonal Skills in Community Health Education. (1) II. Communication and leadership skills useful to a person in community health education. Theory of and practices in group processes.

450 Interpretation of Health Data. (3) I. Understanding graphical, statistical, and research techniques used in health. Developing competencies in analyzing and interpreting research results. Credit will not be awarded for both HEA 450 and ECO 220, STA 208/209/210, STA 270, PSY 291, or PAD/COR 400.

463 Field Experiences in Community Health. (6) II. Offered cooperatively with official and voluntary agencies to seniors. Consists of actual field experiences and training in local and state health agencies with emphasis on application of classroom concepts.

498 Independent Study. (1-3) I, II. Opportunity for individual work on a health problem in a supervised situation. Restricted to students who have demonstrated ability to complete individual endeavors. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of three hours.

516 Public Health Administration and Laws. (3) III. Consideration given to organizational theory, decision making, leadership, principles of personnel and fiscal control, interpretation of state and local health laws, ordinances, and regulations.

555 Epidemiology. (3) I. Factors that affect the occurrence and courses of diseases—causative agents, susceptible hosts, favorable environments, and the effective use of statistical epidemiological methods.

573 Evaluation in Health Education. (3) I. Program evaluation, interpretation of national test results, and the development of measurement skills in health knowledge, attitudes, and practices. Class members construct, administer, and analyze health tests.

590 Health Education:________. (1-3) A. Study of pertinent problems in health and health education. Includes topics such as; health care delivery, child abuse, teenage pregnancy, community health organizations, elementary school health curriculum, drug education, school health services, health deviations among students, sexually transmitted diseases, etc. May be retaken with advisor approval provided subject is different.

592 Human Sexuality. (3) A. Study of the biological, social, and psychological aspects of human sexuality. Directed primarily toward those individuals in situations which require them to assist others in understanding the broad impact of one’s sexuality. Emphasis is placed upon student development of logical and reasoned justifications for their own value system.

593 Death and Dying. (3) A. A study of attitudes, behaviors, and issues concerning death and dying. Topics include attitudes and behaviors toward death and dying throughout the life cycle, theology and death, legal aspects of dying, care of the dying, euthanasia, suicide, grief and bereavement, post-mortem care, and death education.

595 Alcohol and Alcoholism. (3) A. A study of cultural attitudes and customs regarding alcohol; biological, psychological, familial, and social factors in alcohol attitudes and behaviors; influences on alcohol choices; problem drinking and alcoholism, including prevention, intervention and treatment.

**GRADUATE COURSES**

716 Public Health Administration and Laws. (3) III. 755 Epidemiology. (3) I.

775 Evaluation in Health Education. (3) A.

790 Health Education:________. (1-3) A.

792 Human Sexuality. (3) A.

793 Death and Dying. (3) A.

795 Alcohol and Alcoholism. (3) A.

800 Advanced Health Science. (3) A.

807 Health:________. (1-3) A.

820 Utilization of Health Resources. (3) A.

875 Seminar in Contemporary Health Problems. (3) A.

880 Special Projects in Health. (1-3) A.

897 Thesis. (6) A.

898 Health Care Delivery. (3) A.

899 Practicum in Allied Health Sciences Education. (3) A.

**DEPARTMENT OF PHYSICAL EDUCATION**

B. Barton, Chair; Adams, Carter, Christberg, Clifton, Deck, Ferguson, Holmes, Jennings, Lichty, Martin, Maupin, Motley, Mullins, Polvino, Sherman, Stanaland, Taylor.

The Department of Physical Education has two major components: (1) The Professional component with academic programs to prepare students for careers in physical education, athletic training, sports supervision, dance, and adult fitness, and (2) the General component with fitness and wellness classes and lifetime activity courses for the general student population.

**PROFESSIONAL PHYSICAL EDUCATION COMPONENT**

The major in physical education has seven different options from which students may choose. Each student must complete one of the following options (14-21 hours):

**Option I. General (Non-Teaching).** General background for the person not planning to teach.

**Option II. Secondary Teaching.** Leads to teaching certification at secondary level.

**Option III. K-12 Teaching.** Leads to both elementary and secondary school certification.

**Option IV. Athletic Training.** Leads to eligibility for certification in athletic training by both the National Athletic Trainers Association and the Kentucky Board of Medical Licensure. (National and state examinations are required following graduation.)
**Option V. Sports Supervision.** Preparation for non-teaching positions in community and private sport settings.

**Option VI. Dance.** Preparation for specialization or careers in dance.

**Option VII. Adult Physical Fitness.** Preparation for position as physical fitness leader. May lead to ACSM certification (American College of Sports Medicine).

### Physical Education

**MAJOR (BACHELOR OF SCIENCE)**

**Major Requirements** .................................................. 38-46 hours

**Core**

PHE 125, 315, 320, 325, 410, 467, 575; PHE 241 or 340; three hours individual or team sports; and current CPR Certificate at time of graduation.

Each student must complete one of the following options:

**Options** .............................................................. 14-21 hours

- **Option I. General (Non-Teaching)** ......................... 16 hours
  - PHE 327, 365, 400, and seven additional hours of sports skills.

- **Option II. Secondary Teaching** .............................. 16 hours
  - PHE 300 or 345 or 554; 365, 400, 562, and five additional hours of sports skills.

- **Option III. K-12 Teaching** ................................. 19 hours
  - PHE 300, 310, 323, 365, 400, 562, and two additional hours of sports skills.

- **Option IV. Athletic Training** ............................. 21 hours
  - PHE 401, 402, 403, 515, 523, 562, and 598.

- **Option V. Sports Supervision** ............................ 18 hours
  - PHE 327, 400, 470, two hours coaching elective, and three additional hours of sports skills.

- **Option VI. Dance** ............................................. 14 hours
  - PHE 250, 300, 345, 550, 552, and 554.

- **Option VII. Adult Physical Fitness** ..................... 18 hours
  - PHE 300 or 345 or 554; 327, 333, 470, and 562.

**Supporting Course Requirements** ................................. 6-11 hours

- **All options:** BIO 171 and 301 ............................. 6 hours

- **Option IV:** NFA 201; PSY 305 or 314 .................... 6 hours

- **Option V:** HEA 202, REC 102, 406, and three hours from CIS 212, GBU 204, ACC 201, or PUB 550. ......................... 11 hours

- **Option VI:** Four courses from the following: THE 110, 200, 220, 285, 300, 310, 311, 320, or 385. .................................................. 8-11 hours

- **Option VII:** AHN 240, NFA 201, and REC 411. ........... 9 hours

**Teacher Education Courses** ...................................... 28-34 hours

- **Option II:** EDF 102, 202, 317, EPY 318, ESE 466, 498, and 499. .............................................. 28 hours

- **Option III:** EDF 102, 202, 317, EPY 318, ESE 466, 498, 499, ELE 324 and 541. .................................. 34 hours

**General Education Requirements** ............................. 40 hours

Standard General Education program, excluding course categories 13 and 15. Refer to Part Three of this Catalog for details on the General Education and University Requirements.

**University Requirements** ......................................... 9 hours

- CHO 100; eight hours of restricted electives.

**Free Electives** .................................................. 0-33 hours

**Total Curriculum Requirements** ............................. 128-132 hours

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**MINOR IN DANCE (NON-TEACHING)**

**Minor Requirements** .............................................. 18 hours

- PHE 200, 250, 300, 345, 550, 552, and 554.

**MINOR IN PHYSICAL EDUCATION (NON-TEACHING)**

**Minor Requirements** .............................................. 18 hours

- PHE 125, 315, six hours skill classes, and six hours approved by the department chair.

**ATHLETIC TRAINING CERTIFICATION (NON-MAJORS AND MAJOR EQUIVALENT)**

Students pursuing majors other than the B.S. degree in physical education may prepare for both the state and national certification examinations by earning another university degree, completing a NATA major equivalent (NATA standards effective 1990), and working at least four consecutive semesters under NATA approved clinical instructors. Course requirements for a NATA major equivalent include BIO 171, 301, EMC 110, HEA 202, HEA 203 or current CPR certification; NFA 201, PHE 315, 320, 325, 401, 402, 403, 410, 515, 523, 525, 562, 575, 598; PSY 305 or 314 and PSY 202 or EPY 318; and two hours from PHE 261, 360, 362, 420, 511, 512, or 540. PHY 101 and CHE 101 are recommended but not required. Many graduate programs in athletic training require undergraduate chemistry and physics.

**ELEMENTARY PHYSICAL EDUCATION ENDORSEMENT**

Undergraduate second year physical education majors may become certified for teaching elementary school physical education by completing PHE 300, 310, and 323, a course in curriculum design (ELE 541 recommended), an elementary methods course (ELE 324 recommended), and a course in child development (EDF 317 recommended).

Graduate students with a secondary school physical education major may become certified for teaching elementary school physical education by completing PHE 790, 833, ELE 796; ELE 741 or 810; an elementary methods course, and a course in child growth and development.

**COACHING ENDORSEMENT**

Any student securing teacher certification may complete the requirements for a Coaching Endorsement by taking 11 to 12 hours of HEA 203 or CPR Certification; PHE 315 or 325; 410, 523, and two hours coaching electives.

**GRADUATE PROGRAMS**

The Master of Science degree in physical education with a sports administration option is offered in the Department of Physical Education. The Master of Arts in Education degree in physical education, fifth and sixth year non-degree programs in physical education, the elementary school physical education endorsement for graduate students, and the Specialist in Education degree in physical education are supported by the Department of Physical Education and can be found in the College of Education section of the Graduate Catalog.
Course Descriptions

PHE—Physical Education

125 Introduction to Physical Education. (3) I, II. Orientation to the profession and its inter-disciplinary bases. Includes introduction of professional leadership, publications, and career opportunities with an investigation of basic movements and their relationship to improvement of motor skills.


214 Lifetime Sports Skills. (3) I, II. Basic knowledge and skill development in carry-over sport activities used throughout life.

220 Team Sports I. (2) I. Basic skills, strategy, rules, officiating, and teaching techniques related to flag football and basketball.

224 Team Sports II. (3) I, II. Basic skills, strategy, rules, officiating, and teaching techniques related to volleyball, soccer/speedball, and track and field.

225 Team Sports Ill. (2) A. Basic skills, strategy, rules, officiating, and teaching techniques related to field hockey and international team sports.

241 Swimming and Diving. (1) I, II. Prerequisite: HPR 282 swimming or equivalent. To acquaint students with the scope of aquatic activities; develop swimming skills and endurance to intermediate level; gain understanding of fundamental mechanical principles; and basic safety skills.

242 Advanced Lifesaving. (1) I, II. Prerequisite: ability to pass American Red Cross swimming test. Advanced technique of water safety and rescue; American Red Cross Certification awarded to those who qualify.

250 Dance Production and Workshop I and II. (1) I, II. Formerly PHE 350. Dance technique, primarily modern, with opportunities for preparation, technical productions, or performances of group dance compositions, culminating in a concert presentation. May be retaken to a maximum of three hours.

261 Coaching Baseball. (2) I, II. Theory and practice in coaching the fundamentals of baseball; team offense and defense.

300 Elementary Dance Forms. (3) I, II. Structured and creative movement experiences to include social, folk, square, and contemporary forms for a range of age groups.

305 Individual and Dual Sports I. (3) I, II. Basic skills, strategy, etiquette, rules, and teaching techniques related to tennis, golf, and badminton.

306 Individual and Dual Sports II. (2) A. Basic skills, strategy, etiquette, rules, and teaching techniques related to archery and bowling.

309 Wrestling-Racquetball. (2) A. Basic skills, strategy, rules, and officiating techniques related to wrestling and racquetball.

310 Physical Activity and Child Development. (3) I, II. Formerly PHE 521. Prerequisite: EDF 317. Understanding of major development and the improvement of human movement through developmental movement activities which are basic to readiness for performance at school.

315 Philosophy and Principles of Physical Development. (3) I, II. Discussion, demonstration, and practice of various methods of developing physical fitness to include the influence of historical and contemporary research on physical education programs.

320 Kinesiology. (2) I, II. Prerequisite: BIO 171. Study of human movement through anatomical, physiological, and biomechanical concepts.

321 Basic Physical Recreation Activities. (2) I, II. Basic physical activities and methods of organization appropriate to the recreational setting.

322 Elementary Physical Education Movement Skills and Learning Domains. (3) I. Prerequisite: PHE 310 or instructor approval. Principles for integration of learning domains with program content in elementary physical education. Study of movement taxonomy, movement analysis, educational games, gymnastics, sports skills, and dance.

325 Physiology of Activity. (3) I, II. Prerequisite: BIO 301. Effects of physical activities on various systems of the human body. 2 Lec 2 Lab.

326 History and Principles: Socio-Cultural Bases of Physical Education. (2) I. Prerequisite: three hours social science. Study of development of principles basic to decision making in multi-cultural physical education programs in historical and contemporary contexts; appreciation of the influence of historical events upon present day physical education.

327 Sport in American Society. (3) I. Impact of sport in American society with attention to relationship of political, economic, ethnic, and institutional forces operating within the phenomenon of sport.

333 Adult Physical Fitness Programs. (3) I. Prerequisites: BIO 171, BIO 301, and junior standing. Practice and study of exercise programs meeting the guidelines of the American College of Sports Medicine (ACSM) for improving body composition and cardiovascular-respiratory function in adults.

340 Advanced Swimming and Water Safety. (2) I, II. Prerequisites: proficient swimming skill and current advanced lifesaving certification (ARC or YMCA). Advanced swimming skills, water safety, lifeguarding, aquatic mechanics, and teaching techniques of swimming. American Red Cross Water Safety Instructor awarded to those who qualify.

341 Synchronized Swimming. (1) I, II. Introduction to and fundamentals of synchronized swimming and aquatic art; technique of water show production. May be retaken to a maximum of two hours.

345 Ballet, Modern Dance and Choreography. (3) I. Basic barre work, alignment, center combinations of ballet; modern technique, creative exploration, and choreography.

349 Cooperative Study. (1-8) A. Work in a cooperative placement related to student's academic studies. Satisfactory (S) or Unsatisfactory (U) grade. May be retaken to a maximum of eight hours. A minimum of 80 hours work required for each semester hour credit.

360 Coaching Basketball. (2) I, II. Theory and practice in coaching the fundamentals of basketball; team offense and defense.

352 Coaching Track and Field. (2) I, II. Theory and practice in coaching track and field activities.

365 Gymnastics. (3) I, II. Artistic and developmental gymnastics with emphasis on knowledge and skill required for safe, progressive instruction.

370 Practicum in Physical Education. (1) I, II. Overview of physical education teaching through consultation and application; students will experience teaching-learning situations by assisting with various curricular programs. May be retaken to a maximum of three hours.


385 Judging Women's Gymnastics. (1) A. Judging of international gymnastics for women; rules and practical experience in judging compulsory and optional routines.

400 Organization of Recreational Sport Activities. (3) I, II. Theoretical and practical study of intramural recreational sports programing in institutional, agency, and private setting. Laboratory hours assigned. 2 Lec 2 Lab.

401 Assessment of Athletic Injuries. (2) I, II. Prerequisites: BIO 171, BIO 301, and junior standing. Study of special techniques and procedures for prevention and management of athletic injuries at every level of competition.

402 Rehabilitation and Conditioning of Athletes. (2) I, II. Prerequisites: BIO 171, BIO 301, and junior standing. Course is designed to give the student an overview of conditioning programs for athletic team members and therapeutic exercise programs.

403 Therapeutic Modalities for Athletic Training. (3) I, II. Prerequisites: BIO 171, BIO 401, PHE 410. Study and practice related to the physiological effects of heat and cold; the therapeutic indications and contraindications of such modalities as heat, cold, electricity, ultrasound and water.

410 Care and Prevention of Athletic Injuries. (3) I, II. Prerequisite: BIO 171. Course content incorporates an overview of the mechanism, prevention, management, and rehabilitation of athletic injuries. Practical experiences include the application of supportive techniques to the major joints of the body.

420 Coaching Football. (2) I, II. Theory and practice in coaching the fundamentals of football; team offense and defense.

467 Skill Acquisition. (3) I. I. Practical application of principles of learning and performing motor skills taught in the physical activity environment and the influence of historical events on research in the area of skill acquisition.

470 Internship: Sport Supervision. (1-3) A. Supervised experiences in the directing of sports and physical activities in various settings. May be retaken to a maximum of eight hours.

485 Independent Study. (1-3) I, II. Individual work on a physical education related problem in supervised situation. Restricted to under-
graduate physical education major or minor student. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

511 Coaching Field Hockey. (2) A. Theory and practice of coaching fundamentals of field hockey, including skill analysis, strategies, and systems of play.

512 Coaching Volleyball. (2) A. Examination of fundamental skill and strategies, analysis of basic styles of individual and team performance, and management skills necessary for coaching effectiveness.

515 Advanced Techniques of Athletic Training. (3) I, II. Study of specialized athletic training techniques, including use of electrical therapy devices.

523 Psychology of Sport and Coaching. (3) I. Behavioral aspects related to sport, coaching, and the athlete in contemporary society; factors affecting performance in a competitive setting investigated.

540 Coaching Swimming and Diving. (2) A. Prerequisite: PHE 340 or equivalent. Designed to develop a body of knowledge concerning philosophy, rules, strategy, mechanics, and organization involved in developing and administering swimming and diving programs.

550 Advanced Dance Production and Workshop I and II. (1) I, II. Choreography, production, and concert presentation on advanced level. May be retaken to a maximum of two hours.

552 History of Dance. (2) I, II. History of dance from primitive people to the present with special emphasis on the development of American modern dance.

554 Intermediate Ballet, Intermediate Modern Dance and Choreography. (3) A. In-depth skill analysis with emphasis on group choreography.

562 Physical Education for the Exceptional Individual. (2) I, II. Principles and practices of adapted physical education emphasizing the nature and needs of exceptional persons. Includes history, recent legislation, growth and development factors, assessments, and individual education plans.

575 Tests and Measurements in Physical Education. (3) I. Administration and scoring of tests; evaluation of results attained.

590 Special Topics in Physical Education. (1-4) A. Study of various topics in physical education and sport selected to meet special student needs and interests. May be retaken to a maximum of four hours with advisor's approval provided suitable is different.

598 Practicum in Athletic Training. (6) A. Supervised athletic training experience in a school, university, or club setting.

GRADUATE COURSES

711 Coaching Field Hockey. (2) A.

712 Coaching Volleyball. (2) A.

715 Advanced Techniques of Athletic Training. (3) I, II.

723 Psychology of Sport and Coaching. (3) I.

740 Coaching Swimming and Diving. (2) A.

750 Advanced Dance Production and Workshop I and II. (1) I, II.

752 History of Dance. (2) A.

754 Intermediate Ballet, Intermediate Modern Dance and Choreography. (3) A.

762 Physical Education for the Exceptional Individual. (2) I, II.

775 Tests and Measurements in Physical Education. (3) I, II.

790 Special Topics in Physical Education. (1-4) A.

798 Practicum in Athletic Training. (6) A.

800 Research in Physical Education—Recreation. (3) I.

820 Administration of Physical Education. (3) I.

821 Physiological Bases of Physical Fitness. (3) I.

822 Sociology of Sport. (3) II.

824 Contemporary and Comparative Physical Education. (3) A.

830 Analysis of Human Motion. (3) II.

831 Laboratory Methods in Exercise Physiology. (3) II.

833 Motor Development. (3) A.

835 Legal Issues in Sport. (3) II.

839 Cooperative Study. Physical Education, Sport Administration Option. (1-6) I, II.

848 History of Physical Education and Sport. (3) A.

849 Philosophical Bases of Physical Education. (3) I.

851 Equipment and Facilities in Physical Education. (3) I.

852 Motor Learning and Performance. (3) II.

855 Adapted Physical Education. (3) II.

869 Organization and Administration of Athletics. (3) II.

870 Internship in Sports Administration. (1-6) I, II.

875 Seminar in Physical Education. (3) II.

885 Independent Study. (1-3) I, II.

891 Issues in Physical Education. (3) I.

895 Assessment in Physical Education. (3) II.

997 Thesis. (3-6) A.

General Physical Education Component

John M. Deck, Coordinator

Recognizing the unity of mind and body, the General Physical Education program is concerned with the student's total development through planned experiences, primarily physical in outward manifestation, but mental, emotional, social, and moral in relationships and meanings. HPR 180 and HPR 282 are the department's unique contribution to general education, the non-specialized, non-vocational component of education which should be commonly possessed by all.

Specifically, the objectives of the General Physical Education program are to help students:

1. Develop an appreciation and understanding of the need for and the benefits of regular physical activity in our changing culture.

2. Develop an understanding of the basic principles involved in the development and maintenance of physical fitness.

3. Achieve and maintain organic efficiency.

4. Develop fundamental physical skills for recreation, safety, survival, self-expression, and aesthetic creativity.

5. Acquire knowledge of the rules, strategies, techniques, customs, and historical development of selected recreational sports.

6. Find healthful, satisfying release from tensions.

7. Utilize leisure hours in a worthy way through satisfying recreational activities that contribute to physical, emotional, and social well-being.

Course Descriptions

HPR—General Physical Education

180 Fitness and Wellness. (1) I, II. An examination of wellness concepts associated with physical and motor fitness with lecture and laboratory experiences for individual assessment, practice of exercise systems, and improvement of body function. Gen. Ed. 17.

282 Exercise, Movement and Sports Skills. (1) I, II. Course focuses on skill acquisition and improvement of function through selected activities in sports, dance, aquatics and exercise systems. May not be taken with HPR 180 during the same semester. Gen. Ed. 18.

Activities

Adapted Physical Education Cycling
Aerobic Walking Dance Bodywork
American Square Dance Dancercise
Archery Fencing
Badminton Field Hockey
Balancing Folk Dance for Fitness
Basic Ballet Golf
Basketball Hiking
Basic Rock Climbing Jazz Dance
Bowling Jazz Exercise
Canoeing Jogging
Lacrosse
Lifetime Fitness
Modern Dance
Physical Maintenance
Racquetball
Rope Jumping
Soccer
Softball
Springboard Diving
Swimming (beginning)
Swimming (intermediate)
Swimming (advanced)
Tennis (beginning)
Tennis (intermediate)
Track and Field
Volleyball
Weight Training

**Lifetime Activity Series**

The Lifetime Activity Series provides an extension of HPR 282. Courses are designed for students interested in developing advanced skills or learning new skills which may be used during their lifespan. Up to three hours credit may be earned in a semester. May be retaken to a maximum of six hours provided the subtitle is different.

**Course Descriptions**

**HPR—Lifetime Activity Series**

390 Lifetime Activity Series. (1-2-2) I, II. Prerequisites: HPR 180 and 282 or equivalent. A series of activities suitable for participation throughout life. Includes rules, skills, techniques, and strategies.

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**DEPARTMENT OF RECREATION AND PARK ADMINISTRATION**

Chair: Baechtold, McChesney, Nieland, Stephan.

Programs offered by the department are designed to develop competencies needed for administration, supervision, and leadership of recreational services. They focus upon planning, organizing, and administering recreation programs and park services in a variety of settings.

Students, during their third year of study, who have special interest or strengths in a particular recreation setting, may concentrate more fully in their preparation for employment by electing any one of the following options:

1. Recreation and Park Administration - for individuals interested in public recreation work with cities, counties, or state governments. This option is also for individuals interested in park management and operations of natural resource areas and facilities.

2. Recreation Programming (includes Youth and Voluntary Agency Recreation) - for individuals interested in preparation for employment as a leader or supervisor in one or more of the recreation program areas with a public, private, or voluntary youth serving agency.

3. Therapeutic Recreation (includes Correctional Recreation) - for individuals interested in serving the needs of the atypical in hospitals, institutions, and nursing homes or for individuals interested in serving incarcerated persons in juvenile centers and correctional agencies.

4. Camping and Outdoor Recreation (includes Interpretive and Outdoor Education) - for individuals concerned with the environment and who desire to work in an outdoor setting as a naturalist, park ranger, or school-camp outdoor education specialist.

5. Commercial Recreation - for individuals interested in employment with profit making enterprises at amusement parks, resorts, and specialized recreation operations.

The baccalaureate degree program in Recreation and Park Administration is fully accredited by the National Recreation and Park Association/American Association of Leisure and Recreation Joint Council on Accreditation.

Both the Bachelor of Science and Master of Science degree programs lead to a degree where graduates are eligible to become certified by the National Council of Therapeutic Recreation Certification or as a Certified Leisure Professional through the national certification program of the National Recreation and Park Association or one of its state affiliates.

It is recommended that all students carefully select their courses in consultation with their faculty advisor to improve their career effectiveness. For the Associate of Science and Bachelor of Science degrees, a minimum grade “C” is required in all REC courses specified for the major. Bachelor of Science degree students are required to document a minimum of 200 hours of recreation leadership experience prior to enrolling for the senior seminar class.

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**Recreation and Park Administration**

**MAJOR (BACHELOR OF SCIENCE)**

Major Requirements ........................................... 41 hours
REC 102, 300, 311, 350, 406, 450, 460, 463, 501, and nine hours of advisor approved REC option courses, plus an advisor approved 18 hours supporting minor or one of the options below:

Options
- Option in Recreation and Park Administration ........................................... 18 hours
  CIS 212 or CSC 102; ENG 300 or SPE 300; MKT 300; ACC 201 or 550; plus six hours advisor approved supporting courses.
- Option in Recreation Programming ........................................... 18-20 hours
  CIS 212 or CSC 102; JET 322 or 326 or ELE 361; PHE 241 or 242 or 340; PHE 300 and 321; plus six hours advisor approved supporting courses.
- Option in Therapeutic Recreation ........................................... 16-17 hours
  AHN 200; BII 171; PHE 241 or 242 or 340; PHE 325; plus six hours advisor approved supporting courses.
- Option in Camping and Outdoor Recreation ........................................... 16-17 hours
  CIS 212 or CSC 102; GEO 302; EDF 317 or CDF 245; PHE 241 or 242 or 340; plus six hours advisor approved supporting courses.
- Option in Commercial Recreation ........................................... 18 hours
  CIS 212 or CSC 102; MGT 330; ACC 201; MKT 300; plus six hours advisor approved supporting courses.

Supporting Course Requirements ........................................... 8 hours
HEA 202; SPE 100 or 300; and PSY 202.

General Education Requirements ........................................... 46 hours
Standard General Education Program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

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**EASTERN KENTUCKY UNIVERSITY**
University Requirements ........................................ 9 hours
CHO 100; eight hours of restricted electives.
Free Electives ..................................................... 6-8 hours
Total Curriculum Requirements ................................ 128 hours

MINOR IN RECREATION AND PARK ADMINISTRATION (NON-TEACHING)
Minor requirements ............................................ 18 hours
REC 102, 300, 311, 460, and six additional hours within the recreation curriculum.

ASSOCIATE OF SCIENCE DEGREE CURRICULA
The two-year Associate of Science degree curriculum is designed to prepare students as a recreation technician or supervisor in a variety of recreation positions. At the end of two years, students who desire to continue their college education may enter the four-year program.

Recreation and Park Leadership ASSOCIATE OF SCIENCE
Major Requirements ............................................ 21 hours
REC 102, 263, 299, 300, 350, and six additional advisor approved hours from 216, 303, 310 and 311.
Supporting Course Requirements .......................... 38-40 hours
HEA 202, SPE 100, PSY 202; IET 322 or 326 or ELE 361; PHE 241 or 242 or 340; PHE 300 or 305; and PHE 321; CHO 100; six hours of English composition*; NAT 101* or any natural science*; HPR 180* and 282*; GSS 142* or SOC 131*; HUM 124* or three hours from any Category 07*; four hours restricted electives*.
Free Electives ..................................................... 6-8 hours
Total Curriculum Requirements ................................ 67 hours

GRADUATE PROGRAMS
The Department of Recreation and Park Administration offers the Master of Science degree in recreation and park administration which makes graduates eligible to become certified by the National Council for Therapeutic Recreation or by the Kentucky Recreation and Park Society Professional Certification Board.

Course Descriptions
REC—Recreation and Park Administration
102 Introduction to Recreation Leadership. (3) I, II. Formerly REC 202. Techniques of leadership in working with individuals in groups in various settings. Methods of organization, guidance, and supervision of program activities.

201 Camp Counseling. (3) I, II. Concentration is on knowledge of the camping movement, leadership, and camp counseling techniques. Practical experiences are required including a weekend overnight.

216 Recreation Methods and Materials in Environmental Education. (3) I. Formerly REC 316. Primary emphasis on learning experiences in the out-of-doors. Urban and rural outdoor environments are surveyed as learning laboratories in a variety of subject-matter areas. Objects of outdoor experiences are developed and field trips are planned.

225 Education for Leisure and Recreational Living. (3) II. Comprehensive study of recreation services and objectives. Visits to observe programs in action. Agency representatives lecture. The role of leisure in a quality life, planning for the new leisure, self motivation toward constructive use of uncommitted time, and development of knowledge and attitude toward recreational living.

263 Fieldwork I. (2) I, II. Orientation and exploratory on-site practical experience in a recreation and/or park agency. Students are required to plan, lead, or direct various activities requiring recreation leadership.

299 Fieldwork II. (2 or 4) I, II. Students work in a recreation and park agency to observe and conduct activities. Through this on-the-job training, students apply and test classroom concepts and develop practical skills.

300 Recreation and Leisure Foundations. (3) I, II. Formerly REC 100. Prerequisite: REC 102 or advisor approval. An in-depth study of the theory and nature of recreation; the impact of leisure on the quality of life for individuals and society; the role of agencies in provision of services; and the professional's role in education for leisure and the building of positive leisure lifestyle(s).

303 Private and Voluntary Agency Recreation. (3) A. Comprehensive study of recreation services and objectives. Visits to observe programs in action. Agency representative lecture.

310 Community Recreation. (3) I. Systems approach to leisure services, citizen involvement, community planning and development, and agency management through fiscal policies, budgets, and personnel administration. Study of facilities and equipment, leadership techniques, and programs.

311 Therapeutic Recreation for Special Populations. (3) I, II. Leisure problems for aging citizens, handicapped individuals, hard-to-reach and delinquent youth, incarcerated individuals, and armed forces personnel. Modification of program activities and settings, uses of community resources, rehabilitation processes, facility management, and financing.

349 Cooperative Study in Recreation and Park Administration. (1-8) A. Prerequisite: departmental approval. Work under faculty and field supervisors in a cooperative placement related to student's academic studies. Credit varies with hours of employment; two or four hours per semester or summer. Minimum 80 hours work required for each academic credit.

350 Analysis and Supervision of Recreation. (3) I. Assessment of needs, interests, and agency capabilities. Marketing activities, computer applications, and supervision techniques.

408 Planning, Design and Maintenance of Recreation Facilities. (3) II. Formerly REC 506. Planning principles and procedures of recreation and park areas. Facilities, design problems, details of structure and equipment, master planning methods, study of standards and trends.

409 Independent Study. (1-3) A. Prerequisites: for majors and minors only and advisor/instructor approval. Independent study of special topics and problems through directed readings and research. May be retaken to a maximum of three hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

411 Therapeutic Recreation Services for the Senior Adult. (3) I. Leisure problems, needs of senior adults, basic terminology, facilities, administrative organization, programming, organizations and agencies for senior adults, and trends.

450 Senior Seminar in Recreation. (3) I. Prerequisites: REC 350 and verification of 150 hours of practical service in a recreation agency or advisor approval. Summation of practicum and professional work requirements and expectations; identification of present trends; library research project delineating ramifications of one issue or trend for the field; preparation and presentation of a speech for a selected group within one’s option.

460 Advanced Leadership and Programming. (3) I, II. Comprehensive course in recreation program planning, development, and leadership techniques with individuals and groups. Students plan a one-year program. 2 Lec 2 Lab.

463 Practicum. (8) I, II. Prerequisite: REC 460 or instructor approval. Students work in a recreation agency to observe and conduct

HPERA 171
activities. Through this training, the student has the opportunity to test
concepts developed in regular class work and to develop competencies
essential to successful professional recreational leadership.

501 Recreation and Park Administration. (3) I, II. Community
organization, administrative practices, legal aspects, recruiting, selecting
leaders, personnel practice, and public relations.

511 Therapeutic Recreation Practices and Services. (3) II. Pre-
requisite: instructor approval. Terminology and programming in a ther-
aputic setting. Modification of leadership techniques and activities
adaptation for the ill and handicapped. Field trips to observe programs.

512 Management of Therapeutic Recreation Services. (3) I. The
focus is on management concepts as applied to the delivery of ther-
aputic recreation services and includes: documentation, activity analy-
sis, charting, assessment, liability and legislation. Competencies are
developed in marketing for exceptional groups, leisure counseling, and
administration.

516 Recreation Environmental Education Programs. (3) A. Pre-
requisite: REC 216 or instructor approval. Philosophy, policies, and
procedures of organizing and conducting school-centered environmen-
tal education programs. Emphasis is placed on program services which
are year-round, including resident outdoor schools and day services
provided by recreation and environmental agencies for school groups.
A supervised practical experience is required.

521 Camp Administration. (3) A. Prerequisite: REC 201 or instruc-
tor approval. Camp organization, business management, staffing, and
program administration for different types of camps. Selection and
development of campsites. A supervised practical experience is required.

590 Special Topics:______. (1-3) A. Identification and study of
specialized techniques in recreation leadership, activity skills, opera-
tional methods, and services. May be retaken under different workshop
title.

GRADUATE COURSES

701 Recreation and Park Administration. (3) I, II.
711 Therapeutic Recreation Practices and Services. (3) II.
712 Management of Therapeutic Recreation Services. (3) I.
716 Recreation Environmental Education Programs. (3) A.
721 Camp Administration. (3) A.
790 Special Topic:______. (1-3) A.
800 Research in Physical Education/Recreation. (3) II.
809 Independent Study. (1-3) A.
815 Practicum in Recreation. (1-3) A.
825 Philosophy and Trends in Recreation and Leisure. (3) I.
830 Outdoor Recreation Resources and Programs. (3) A.
840 Administrative Processes and Practices. (3) II.
845 Seminar: Problems in Recreation. (1-4) A.
897 Thesis. (6) A.
The College of Law Enforcement at Eastern Kentucky University is one of the largest of its type in the United States and is one of the nine colleges that comprise the academic structure of the University. Within the College are the Departments of Correctional Services, Loss Prevention and Safety, and Police Studies. The College of Law Enforcement exists in response to a changing, dynamic society which demands qualified professional, well educated personnel. The College endeavors to meet this demand within the threefold purpose of the University—teaching, research, and service.

Certificate, associate, baccalaureate, and master’s degree programs are offered by the College of Law Enforcement. In addition, a joint doctoral degree in education is offered in cooperation with the University of Kentucky with degrees awarded by the University of Kentucky.

The College is committed to a career ladder concept by providing opportunities for students enrolled in or completing associate (two-year) degree programs to transfer to a corresponding baccalaureate (four-year) program within the same department with little or no loss of credit.

All departments in the College are housed in the Stratton Building, an outstanding and unique facility which is part of the Robert R. Martin Law Enforcement, Fire Science, and Traffic Safety Center. The building includes a 354-seat auditorium, two physical conditioning areas, a cafeteria, the Law Enforcement Library with over 20,000 holdings, and a training tank for underwater rescue and recovery training. The center also features a seven-acre driving range and a 5.7 acre lake for aquatic safety, underwater rescue, and salvage training.

PURPOSES OF THE COLLEGE

Each program in the College provides students with an interdisciplinary education that is applied to a specific area of study. The purposes of these programs are:

1. to prepare citizens for productive citizenship roles;
2. to prepare personnel for positions in the private and public safety sectors of society;
3. to prepare personnel for teaching in one of the fields within each departmental area;
4. to conduct research in the broad areas contained within each departmental program; and
5. to provide service programs pertinent to the broad areas contained within each departmental program.

RESEARCH AND SERVICE

The College is involved in a variety of research and service activities for governmental agencies, public institutions, and private enterprise. Through the College, services such as direct training, competency based curriculum development, job task analysis, instructional media production, conferences, and seminars are available to public and private agencies. Individual faculty also serve as consultants and do research for a variety of organizations and frequently provide lectures for operational programs, professional workshops, and professional conferences.

EXTENDED PROGRAMS

The College conducts extended campus classes throughout the central Kentucky area, including Fort Knox, Louisville, and Bowling Green. Such offerings make programs available to various agencies and military personnel.

FOUR-YEAR DEGREE PROGRAMS

The College offers baccalaureate programs in corrections and juvenile services, fire and safety engineering technology, police administration, and security and loss prevention.

Program Options

The Fire and Safety Engineering Technology Program has options in fire and arson investigation, fire protection administration, fire protection engineering technology, and industrial risk management.

Options in computer and information security, loss prevention management, loss prevention and control, and general loss prevention are available through the Security and Loss Prevention Program.

TWO-YEAR DEGREE PROGRAMS

At the associate degree level, the College offers programs in business and industrial security, corrections and juvenile services, fire and safety engineering technology, and police administration.

MINORS

The following minors are available through the various programs in the College: corrections and juvenile services, fire and safety engineering technology, police administration, security and loss prevention, social justice, and traffic safety.

CERTIFICATES AND ENDORSEMENTS

The College offers a certificate program in adult corrections and a certificate of competency in fire and safety engineering technology. The Emergency Medical Treatment I course satisfies the prerequisite requirements for the Kentucky Cabinet for Human Resources Basic Emergency Medical Technician Certi-
fication. The College also offers a driver education endorse-
ment for any secondary teaching major.

ADMISSION TO THE COLLEGE
Students seeking admission to the College of Law Enforce-
ment must meet general University requirements and should 
indicate their intention to major in a program of the College. 
After being admitted to the College, a student will be assigned 
a faculty advisor who will assist in selecting the proper courses 
leading to the desired degree.

FINANCIAL ASSISTANCE
Students in the College of Law Enforcement are eligible for 
financial aid in the form of scholarships, loans, grants, and 
employment, as are all other students in the University. If 
interested, students should contact the Division of Student 
Financial Assistance.

COURSE NUMBERING
Courses numbered 100 are freshman level; 200 are sopho-
more level; 300 are junior level; and 400 are senior level. 
Courses numbered in the 500/700 series are open to seniors 
and graduate students who meet course and program prereq-
usites. The 500 level courses are for seniors while the 700 
level courses are reserved for graduate students. Additional 
appropriate experiences are required of all graduate students 
enrolled in the same course with undergraduates. Students 
who have previously taken the undergraduate counterpart of 
these courses at the 500 level will not be permitted to enroll for 
graduate level credit in the 700 level counterpart. Courses 
numbered in the 800 series are open only to graduate students.

COURSE AND PROGRAM PREREQUISITES
Students are urged to review carefully all course and pro-
gram prerequisites before scheduling courses. Prerequisites 
are necessary for the maintenance of quality teaching stan-
dards and must be observed. Failure to do so may result in the 
student's mandatory withdrawal from the course.

Note that students majoring or minor in programs offered 
by the Department of Police Studies may not take 200 level or 
higher PAD courses until:
1. a passing grade is earned in any required developmental 
   English or Reading course and
2. a grade of "C" or better is earned in PAD 101 and 103 if 
   required.

DEGREE REQUIREMENTS
General University requirements described beginning on page 
31 in Part Three of this Catalog, as well as specific course 
requirements set forth in the description of curricula, must be 
met by students completing associate and baccalaureate pro-
grams administered by the College of Law Enforcement. See 
the program descriptions under each department for specific 
major and minor requirements. Common to all programs is the 
Academic Orientation (LEO 100) course of the College of Law 
Enforcement.

APPLICATION FOR PLANNED CURRICULUM
Upon completion of 12 hours toward the associate degree or 
60 hours toward the baccalaureate degree, the student must 
go to the Office of the Dean to initiate a planned curriculum 
(which specifies the remaining graduation requirements). Any 
subsequent change in the planned curriculum must be pro-
posed by the student on forms available from the Office of the 
Dean. Students must have a signed planned curriculum prior to 
applying for graduation. Any Change of Planned Curriculum 
which is processed during the semester in which a student 
intends to graduate will defer that student's application for 
graduation until the next semester. On occasion a student's 
planned curriculum may contain an error; regardless, the stu-
dent must complete all University requirements. The planned 
curriculum is only a guide; it is not binding.

The Catalog to be used in completing the planned curriculum 
is determined by the following. For general education require-
ments, a student is governed by the catalog in use at the time 
the student enters the University. For major program require-
ments, full-time students use the catalog in force when they 
declare a major; part-time students use the one in force when 
they sign a planned curriculum. However, a student may choose 
to use the current catalog. If a student's enrollment is interrupted 
for more than one year, the student is governed by the catalog 
in force when the student is readmitted.

APPLICATION FOR GRADUATION
It is the student's responsibility to file an application for 
graduation in the Office of the Dean no later than April 30 for 
December graduation and no later than October 31 for either 
May or August graduation. It is the student's responsibility to 
plan and register for the proper courses and to meet all 
graduation requirements.

GRADUATE PROGRAM
The College of Law Enforcement offers coursework leading 
to a Master of Science degree in Criminal Justice with options 
in corrections and juvenile services, general studies, loss pre-
vention administration, and police administration. A joint doc-
torate degree in education is also offered in cooperation with 
the University of Kentucky with degrees offered by the University 
of Kentucky. The criminal justice graduate program is designed 
to prepare students to enter supervisory and management 
positions, to facilitate a career in research and planning, and to 
serve as a basis for further academic study.

All graduate courses offered by the College of Law Enforce-
ment are listed as Criminal Justice (CRJ) and not by the 
department prefix, with the exception of TRS 788. The gradu-
ate courses for all options in the Master of Science degree in 
Criminal Justice from the College of Law Enforcement are 
listed below in the section titled "Law Enforcement Courses."

A detailed description of the Master of Science in Criminal 
Justice is presented in the Graduate Catalog.

Undergraduate Admission to Graduate Studies
An undergraduate student who needs nine or fewer credit 
hours in one semester (three or fewer credit hours in one 
summer session) to complete all requirements for a baccala-
ureate degree at an accredited institution may be allowed to 
register for graduate credit work under the conditions outlined 
in the Graduate Catalog.

Undergraduate Honors Admission to Graduate Studies
An Eastern undergraduate student who needs 30 or fewer 
credit hours to complete all of the requirements of the baccal-
aureate degree may be considered for undergraduate honors 
admission to the Graduate School to enroll in graduate coursework 
or be considered for special provisional admission to a gradu-
ate degree program. See the Graduate Catalog for details on 
undergraduate honors admission.
LAW ENFORCEMENT COURSES

Course Descriptions

LEO—Law Enforcement Orientation
100 Academic Orientation. (1) I. An orientation to university academic life and career planning. Topics include high school policies and procedures, career opportunities and introductory study skills. Open to all students during their first two semesters of enrollment at EKU; beyond that open to students with fewer than 30 semester hours earned.

CRJ—Criminal Justice
560 Advanced Criminal Justice Administration. (3) A. An analysis of elements within the criminal justice system, interactional processes with each element and between the criminal justice system and other social systems. Credit will not be awarded for 560 and 760.

GRADUATE COURSES

760 Advanced Criminal Justice Administration. (3) A.
810 Advanced Police Administration. (3) A.
811 Applied Study in Police Administration. (3) A.
812 Police Human Resource Development. (3) A.
813 Analysis of Police Operations. (3) A.
815 Loss Prevention Administration. (3) A.
820 Seminar in Juvenile Justice. (3) A.
821 Applied Study in Juvenile Justice. (3) A.
830 Seminar in Criminology and Corrections. (3) A.
831 Applied Study in Corrections. (3) A.
835 Correctional Administration. (3) A.
839 Cooperative Study in Criminal Justice. (1-6) A.
840 Special Problems in Criminal Law. (3) A.
841 Applied Study in Loss Prevention. (3) A.
846 Legal Issues in Criminal Justice Administration. (3) A.
856 Legal and Ethical Issues in Corrections. (3) A.
857 Criminal Justice Planning. (3) A.
865 Loss Prevention Auditing. (3) A.
866 Law and the Juvenile Justice System. (3) A.
870 Theories of Criminology and Delinquency. (3) A.
875 Crime and Public Policy. (3) A.
888 Research Methodology in Criminal Justice Systems. (3) A.
890 Topical Seminar in Criminal Justice. (1-3) A.
897 Independent Study in Criminal Justice. (3, 6) A.
998 Thesis I. (3) A.
999 Theses II. (3) A.

TRA—Traffic Safety
786 Laboratory Instruction Programs in Driver and Traffic Safety. (3) A.

DEPARTMENT OF CORRECTIONAL SERVICES

C. Reedy, Chair; J. Fox, Reed, B. Scott, R. Snarr, Wachtel, Wolford.

The Department of Correctional Services offers a multidisciplinary study of crime and social control by criminal justice and juvenile services agencies. Course offerings also include emphasis on human services and management roles. Through theoretical orientations and practical experience, students are prepared for careers in court services, correctional institutions, community-based programs for adults and juveniles, and related professional areas.

It is expected that graduates will be:
1. knowledgeable of the theoretical, historical, and legal roots of contemporary interventions;
2. able to exhibit relevant interpersonal skills;
3. knowledgeable of organizational, operational, and political variations among correctional and juvenile agencies; and
4. able to demonstrate an understanding of relevant research.

Corrections and Juvenile Services

MAJOR (BACHELOR OF SCIENCE)

Major Requirements .................................................. 36 hours
COR 101, 120, 220, 250, 311, 312, 315, 330, 388, 423, 440, and 450.

Supporting Course Requirements .................................. 12 hours
PSY 202; PSY 300, 308, 314, or 405; SOC 131; three hours upper division sociology or SWK 210.

General Education Requirements ................................. 46 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ............................................ 9 hours
LEO 100; eight hours of restricted electives.

Free Electives or Minor ............................................. 25 hours
Students may choose elective courses or a minor area of study. Suggested minors are: police administration, psychology, social justice, social welfare, or sociology.

Total Curriculum Requirements ................................. 128 hours

MINOR IN CORRECTIONS AND JUVENILE SERVICES

A student may minor in Corrections and Juvenile Services by completing COR 101, 120, 250, and nine hours upper division COR electives. A maximum of three hours may be selected from COR 349, 470, or 471.
Corrections and Juvenile Services
ASSOCIATE OF ARTS

Major Requirements .................................................. 21 hours
COR 101, 120, 220, 250, 311, 315, and 330.

Supporting Course Requirements .............................. 37 hours
LEO 100*, PSY 202, SOC 131, six hours of English composition*, six hours general education humanities*, six hours general education social science*, six hours general education natural science*, HPR 180*, 282*, and four hours restricted electives.

Free Electives ......................................................... 6 hours
Total Curriculum Requirements .............................. 64 hours

CERTIFICATE IN ADULT CORRECTIONS
The Certificate in Adult Corrections is designed to meet the immediate educational needs of those employed in adult correctional institutions. The program will provide professional development in areas of corrections related directly to the requirements for job performance in a variety of related positions. The Certificate in Adult Corrections may be earned by completing COR 101, 120, 220, 250, 311, and 320.

Total Curriculum Requirements ..................... 18 hours

Course Descriptions

COR—Correctional Services

100 Survey of Criminal Justice Systems. (1) A. Examination of police, courts, probation, correctional institutions, and juvenile justice at the local, state, and national levels. Study of organization, staffing, service delivery systems, and funding base; exploration of career opportunities. May not be taken for credit by students who have completed COR or PAD courses.

101 Criminal Justice in a Democracy. (3) A. Cross listed as PAD 101. A general overview of the criminal justice system including a description of the major agencies: police, prosecution, courts, and corrections, and an analysis of their interdependence in the criminal justice process.

120 Introduction to Corrections. (3) A. An introduction to the processes, procedures, and issues in modern corrections. Evolution of the various elements of the juvenile and adult corrections systems.

205 Public Issues in Corrections. (1-3) A. Examination of issues in corrections and juvenile services which have significant social impact. May be repeated to a maximum of six hours on different topics.

220 Juvenile and Adult Facilities. (3) A. Prerequisite: COR 120. Facilities, programs, and procedures for detention and incarceration; variations based on age, sex, and offense of residents; social structure of the population; humane control and treatment; standards for evaluating facilities.

250 Helping Relationships in Corrections. (3) A. Prerequisite: COR 120. Introduction to the issues, procedures, and treatment methods for juvenile and adult programs.

311 Delinquency and the Juvenile Justice System. (3) A. Cross listed as PAD 311. Examines the meaning and causes of delinquency; focuses on the juvenile justice system with special emphasis on juvenile services.

312 Family Court Procedures. (3) A. Study of family court procedures and processes, intake, case investigation, types of cases, court demeanor and testimony, state statutes, agency policy.

315 Legal Issues in Corrections. (3) A. An overview of court decisions related to corrections. Study of current legal issues and their impact on adult and juvenile procedures.

320 Workshop. (1-6) A. The workshop is designed primarily for in-service personnel and will focus on current problems, issues, and strategies in providing effective services. May be retaken to a maximum of six hours.

322 Institutional Security. (3) A. Organization, supervision, and administration of control services, responsibilities and techniques in detention centers and correctional institutions; interface with treatment programs for control purposes.

330 Community Corrections. (3) A. History and philosophy of probation, aftercare, parole, and other community programs for juvenile and adult clients; function and operation of parole authorities; statutory authority; case law; current trends.

345 Women, Crime and Criminal Justice. (3) A. Cross listed as PAD 345. Review of contemporary issues in female criminality and victimization; analysis of how the women's movement and affirmative action have affected the role of both male and female professionals in criminal justice.

349 Cooperative Study in Corrections and Juvenile Services. (1-8) A. Prerequisite: departmental approval. Work, under faculty and field supervisors, in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; fifteen, baccalaureate (see note). Minimum 80 hours work required for each academic credit.

388 Research in Corrections (3) A. Overview of significant research in corrections and juvenile services; emphasis upon applicability to delivery of services; study of processes of locating and analyzing the relevant body of knowledge; examination and evaluation of methodologies employed.

400 Applied Criminal Justice Statistics. (3) A. Cross listed as PAD 400. Statistical concepts and procedures for the treatment of criminal justice data. Includes: mathematical operations, descriptive statistics, nonparametric and parametric methods, correlation, and hypothesis testing. Credit will not be awarded for both COR 400 and any of the following: ECO 220, STA 208, 209, 210, 270, PSY 291, HEA 450, or EPY 842.

423 Topical Seminar:_____. (3) A. Prerequisites: junior standing and departmental approval. Intensive study of selected topics related to corrections and juvenile justice. May be retaken to a maximum of nine hours on different topics.

440 Correctional Administration. (3) A. Concepts of management as applied to adult and juvenile corrections systems. Special emphasis upon organizational structure, planning, decision making, and directing.

450 Correctional Helping Skills. (3) A. Prerequisite: COR 250. Treatment techniques and processes in adult and juvenile corrections. Emphasis on skill development in interviewing, group processes, and crisis intervention techniques.

460 Independent Study. (1-6) A. Prerequisite: departmental approval. Individual study and/or research on a problem pertaining to correctional services. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

470 Field Experience in Corrections. (3-15) A. Prerequisite: instructor approval. Field services training designed to broaden the educational experience through appropriate observational and work assignments in governmental and private agencies; correlation of theoretical knowledge with practice in participating agencies. May be retaken to a maximum of 15 hours. (See note).

471 Field Experience in Juvenile Services. (3-15) A. Prerequisite: instructor approval. Field services training designed to broaden the educational experience through appropriate observational and work assignment in governmental and private agencies; correlation of theoretical knowledge with practice in participating agencies. May be repeated to a maximum of 15 hours. (See note).

NOTE: A maximum of 15 hours credit earned in Cooperative Study and Field Experience, singularly or combined, may be applied toward graduation.

CRJ— Criminal Justice

560 Advanced Criminal Justice Administration. (3) A. An analysis of elements within the criminal justice system, interactional processes with each element and between the criminal justice system and other social systems. Credit will not be awarded for 560 and 760.
DEPARTMENT OF
LOSS PREVENTION AND SAFETY

B. Tillett, Chair; Bogard, Browne, Collins, Hopkins, Koepke, Mann, Ochs.

The Department of Loss Prevention and Safety offers programs in Fire and Safety Engineering Technology, Security and Loss Prevention, and Traffic Safety. At the associate degree level, the department offers programs in business and industrial security and fire and safety engineering technology. Baccalaureate level programs are offered in security and loss prevention and fire and safety engineering technology. Minors are available in security and loss prevention, fire/safety engineering technology, and traffic safety.

FIRE AND SAFETY ENGINEERING TECHNOLOGY PROGRAM
R. Hopkins, Program Coordinator

Areas of study include life safety and life support; fire prevention, suppression and investigation; fire service administration; industrial loss prevention; industrial risk management and fire protection engineering.

Program offerings include the Bachelor of Science degree in Fire and Safety Engineering Technology with options in fire and arson investigation, fire protection administration, fire protection engineering technology, and industrial risk management; the Associate of Arts; the Certificate of Competency, and the Kentucky Basic Emergency Medical Technician Certificate Program.

Fire and Safety Engineering Technology
MAJOR (BACHELOR OF SCIENCE)

Major Requirements ........................................... 41-48 hours
Core Requirements ........................................... 25 hours
FSE 100, 101, 120, 225, 305, and 310; four hours from 349, 489, 499; three hours advisor approved FSE electives.

Options
- Fire and Arson Investigation .......................... 16 hours
  FSE 223, 320, 350, 450, and 499.
- Fire Protection Administration ....................... 18 hours
  FSE 223, 320, 360, 400, and 450.
- Fire Protection Engineering Technology ............ 20 hours
  FSE 201, 221, 322, 360, 410, 412, and 499.
  (See note)
- Industrial Risk Management ........................... 23 hours
  FSE 201, 221, 301, 320, 322, 410, and 412.

Supporting Course Requirements .......................... 27-37 hours
Fire and Arson Investigation ................................ 30 hours
CHE 101 or 111; CHE 102 or 112; FOR 301, SLP 375, PAD 204, 216, 316, 416, and ENG 300.

Fire Protection Administration ........................... 30 hours
CHE 101 or 111; CHE 102 or 112; ACC 550 or POL 377; IET 364, POL 376, PSY 202, SLP 465, TRS 233, and ENG 300.

Fire Protection Engineering Technology .................. 37 hours
CHE 101 or 111; CHE 102 or 112; IET 190, 191, or ENG 300; PHY 201, 202, 503, MAT 124, 224, and EHS 340. (See note)

Industrial Risk Management .............................. 27 hours
CHE 101 or 111; CHE 102 or 112; SLP 110; SLP 210 or 465; INS 370, 372, or 378; EHS 340, ENG 300, and TRS 332.

General Education Requirements .......................... 37 hours
Standard General Education program, excluding course categories 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ..................................... 9 hours
LEO 100; eight hours of restricted electives.

Free Electives ............................................. 0-11 hours
Total Curriculum Requirements .......................... 128 hours

NOTE: This option (Fire Protection Engineering Technology) does not list sufficient upper division hours to satisfy University requirements. Students should select courses in General Education requirements to satisfy upper division hours.

MINOR IN FIRE AND SAFETY ENGINEERING TECHNOLOGY

The courses required to complete a minor in Fire and Safety Engineering Technology include: FSE 100, 120, and 12 hours of FSE electives. Nine hours must be upper division.

Fire and Safety Engineering Technology
ASSOCIATE OF ARTS

Major Requirements .......................................... 30 hours
FSE 100, 101, 120, 201, 221, 223, 225, and nine hours of electives selected from Fire Protection Engineering Technology with advisor approval.

Supporting Course Requirements ............................ 22 hours
LEO 100*, six hours of English composition*, three hours general education humanities*; three hours general education social science*; three hours general education natural science*; HPR 180*, 282*, and four hours restricted electives.

Free Electives ............................................. 12 hours
Total Curriculum Requirements .......................... 64 hours

FIRE AND SAFETY ENGINEERING TECHNOLOGY, CERTIFICATE OF COMPETENCY

The courses required to complete the certificate of competency in fire and safety engineering technology include: FSE 100, 101, 120, 201, 221, 223, 225, 320, 322, and 350; FSE 360 or 489.

Total Curriculum Requirements .......................... 33-34 hours
Course Descriptions

FSE—Fire and Safety Engineering Technology

100 Introduction to Fire Protection Technology. (3) A. Historical and philosophical discussion with review of the life and property conservation functions of federal, state, municipal, and private agencies. Study of legislation, contemporary and future problems, career opportunities, and public fire safety education programs.

101 Fire Prevention Codes and Standards. (3) A. Organization and function of fire prevention programs. Introduction to building codes; fire prevention codes; inspection, surveying, and mapping procedures; engineering solutions for fire hazards; enforcement problems.

120 Chemistry of Fire and Fire Behavior. (3) A. Chemical and physical properties of combustibles; fundamentals of fire investigation; determining point of origin; recognition of ignition sources; residuals of pyrolysis.

201 Designing Building Fire Safety. (3) A. A systems approach to designing building fire safety; the role of design in providing fire safety. The Life Safety Code: the function of and testing of rated building components, evaluating plans for code compliance.

221 Fire Control I. (3) A. Prerequisite: FSE 120 or advisor approval. Introduction to fire protection systems and their relationship to control and extinguishment: Study of extinguishing agents and their application. Concentration on fixed and portable carbon dioxide, dry chemical, dry powder, foam, and halogenated systems.

223 Fire Control Tactics and Strategy. (3) A. Prerequisite: FSE 101. Fire ground decisions, tactics, and operations. Decision making for organizing and operations of fire control forces such as manpower, apparatus and equipment guidelines for mutual aid; estimating and use of available fire flow.

231 Legal Aspects of Fire and Loss Prevention Services. (3) A. A study of legislative and legal decisions relating to personnel practices, employee safety and public protection. Emphasizes the legal responsibilities, liabilities, and authority of the fire service practitioner.

301 Emergency Medical Treatment I. (5) A. Effective emergency medical care in a variety of traumatic and medical emergencies. Content developed by the Committee on Injuries of the American Medical Association. Credit will not be awarded for both FSE 301 and EMC 110.

305 Hazardous Materials. (3) A. Study of hazardous materials in transportation, storage, and usage. Chemical properties of hazardous materials relating to specific reaction, engineering controls, pre-emergency planning, combating, coordinating, and controlling a hazardous materials incident.

310 National Electrical Code. (3) A. Study of the National Electrical Code as it relates to fire and life safety. An emphasis is placed on special occupancies and special conditions as utilized in the inspection process.

320 Emergency and Loss Prevention Services Management. (3) A. Cross listed as SLP 320. An overview of organizational, administrative, and management practices in loss prevention and emergency services. Emphasis on supervision and leadership styles, motivation, morale, and organizational behavior.

322 Fire Control II. (3) A. Prerequisite: FSE 120, 201, or advisor approval. Study of sprinkler systems, automatic fire detection systems, and municipal fire alarm systems.

349 Cooperative Study. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

350 Arson Investigation. (3) A. Detection of arson and associated crimes; interviewing techniques; preparing for court; coordination of arson investigation with other public and private agencies.

360 Water Supply for Fire Protection. (3) A. Prerequisite: a college algebra course. Water at rest and in motion. Bernoulli's and Pascal's theory; water distribution systems, pumps, velocity, discharge friction loss, pump and nozzle pressures required for fire protection. Theory followed by practical application.

400 Fire Service Management. (3) A. A study of environmental management with emphasis on the planning, organizing, and evaluation of contemporary fire protection within the framework of developing specifications for equipment, apparatus and facilities, and developing standard operating procedures for training programs, employee selection, and promotion procedures.

410 Fire Prevention and Occupational Safety. (3) A. Implementation of loss prevention techniques and programs. Fire and Safety regulations; compliance with building codes and ordinances; insurance; relationship of occupational safety to fire prevention; economics of employee and property conservation.

412 Occupational and System Safety Management. (3) A. Prerequisite: FSE 410 or instructor approval. Principles and concepts of safety management and system safety. The relationship of safety law, employee management roles, ergonomics, psychological factors in safety motivation, safety reporting systems, risk analysis and identification and research of safety problems.

450 Explosive Materials and Devices. (3) A. A study of the classification and characteristics of explosive materials. The development of bomb safety plans, search plans, operation of homemade devices, evidence and bomb scene preservation.

489 Topical Seminar: ______. (1-3) A. Prerequisite: instructor approval. Development and presentation of research in contemporary methods, techniques, and devices in the field. May be retaken under different topics to a maximum of 12 hours.

499 Practicum. (1-12) A. Prerequisite: departmental approval. Supervised field observation, research and/or experience.

SECURITY AND LOSS PREVENTION PROGRAM

P. Collins, Program Coordinator

The Security and Loss Prevention Program includes a two year Associate of Arts Degree in Business and Industrial Security, and a Bachelor of Science Degree in Security and Loss Prevention. The Associate of Arts Degree in Business and Industrial Security is designed to prepare students for supervisory positions in security and loss prevention in both the private and public sector. The Bachelor of Science in Security and Loss Prevention provides a broad and balanced interdisciplinary program of study that will serve to produce an individual who has the capacity to function in a broad range of managerial positions in loss prevention and control.

Security and Loss Prevention MAJOR (BACHELOR OF SCIENCE)

Major Requirements .....................................................48 hours

Core Requirements ..................................................30 hours

SLP 110, 210, 225, 320, 333, 395, 465, three hours upper division SLP electives, and six hours SLP 435.

Options

Computer and Information Security ......................18 hours
CIS 250, 355, 380, 435, 460, and SLP 438.

Loss Prevention Management .........................18 hours
ACC 201, 202, ECO 220, 231, FIN 300, and three hours upper division business electives.

Loss Prevention and Control .........................13 hours
CHE 101 or 111; MAT 107, PHY 131, and FSE 120; FSE 221 or 360.

180
General Loss Prevention ....................18 hours
FSE 221, 410, GBU 204, ACS 300, INS 378, and
PSY 202.

Supporting Course Requirements ...............18 hours
Computer and Information Security ..........18 hours
FSE 221, INS 378, GBU 204, ACC 201, CIS 212, and
230.

Loss Prevention Management ....................18 hours
CIS 212, 230, FSE 221, INS 378, GBU 204, and
ACS 300.

Loss Prevention and Control ....................18 hours
INS 378, CIS 212, EHS 340, FSE 305, 410, and
412.

General Loss Prevention ....................18 hours
Advisor approved 18 hour supporting minor.

General Education Requirements .................46 hours
Standard General Education Program. Refer to Part Three
of this Catalog for details on the General Education and
University requirements.

University Requirements .......................9 hours
IEO 100; eight hours of restricted electives.

Free Electives .................................. 7 hours
Total Curriculum Requirements ...............128 hours

NOTE: Sufficient upper division hours to satisfy University requirements are not
listed for each option. Students should select courses in General Education
Requirements and or free electives to satisfy upper division hours.

MINOR IN SECURITY AND LOSS
PREVENTION

A student may minor in Security and Loss Prevention by
completing a minimum of 18 semester hours as follows: SLP
110, 210, 333, 395, 435, and three hours of upper division
Security and Loss Prevention electives.

Business and Industrial Security
ASSOCIATE OF ARTS

Major Requirements ..........................21 hours
SLP 110, 210, 225, 320, 333, 395, and 435.

Supporting Course Requirements ...............36 hours
LEO 100*, ACC 201, and FSE 301; PSY 201 or 202; six
hours of English composition*, three hours general education
humanities*, six hours general education social science*,
three hours general education natural science*, HPR 180*,
282*, and four hours restricted electives.

Free Electives .................................. 7 hours
Total Curriculum Requirements ...............64 hours

Course Descriptions
SLP—Security and Loss Prevention

110 Introduction to Security. (3) A. The role of security its applica-
tion, and the security individual in modern society including an overview
of the administration, personnel and physical aspects of the security field.

210 Security Technology and Hardware. (3) A. An in-depth analysis
and hands-on application of security hardware and technology:
locks, security storage containers, electronic alarm devices, and alarm
systems.

225 Legal Aspects of Fire and Loss Prevention Services. (3) A. A
study and examination of criminal and civil laws as applied to private
security functions and practices. Emphasizes the legal responsibilities,
authority, and liabilities, of private security personnel.

325 Emergency and Loss Prevention Services Management. (3)
A. Cross listed as FSE 320. An overview of organizational, administra-
tive, and management practices in loss prevention and emergency
services. Emphasis on supervision and leadership styles, motivation,
morale and organizational behavior.

325 White Collar Crime. (3) A. Cross listed as PAD 325. A review
and analysis of the upperworld crimes of business and government
committed in the course of legitimate occupations and financial activities.

333 Comparative Security Programs. (3) A. Prerequisite: SLP 225
or instructor approval. Study of security problems and practices
in specific areas. Topical subjects would be in bank, campus, hospital
and transportation security programs, etc.

349 Cooperative Study. (1-8) A. Prerequisite: departmental approv-
al. Work, under faculty and field supervisors, in placements related to
academic studies. One to eight hours credit per semester. Total hours:
six; eight associate; sixteen baccalaureate. Minimum 80 hours work re-
quired for each academic credit.

375 Terrorism/Counterterrorism. (3) A. Cross listed as PAD 375. A
study of domestic, foreign and transnational terrorism, with emphasis on
the philosophical bases, organization, equipment and operations of
terrorist groups. Role of law enforcement agencies in implementation of
anti-terrorist measures is examined.

395 Industrial Security Management. (3) A. Role of the security
specialist in an industrial setting. Emphasis on security management
and investigative skills relative to government compliance and Depart-
ment of Defense requirements. Examination of techniques, motivation,
and scope of industrial espionage and information compromise.

435 Topical Security Seminar: _________. (1-3) A. Study of specific
and current security problems. For independent work, special work-
site, or special topic. May be retaken to a maximum of six hours
under different subtitles.

438 Computer Systems Security. (3) A. Prerequisite: instructor
approval. In-depth analysis of systems security techniques for isolation,
integration, and system control measures. Emphasis on basic concepts of
auditing, database analysis, communications, design and applications
of systems software.

445 Field Experience. (3-12) A. Prerequisite: departmental approv-
al. Field training is designed to broaden the educational experience
through appropriate observational work assignments in cooperating
agencies. May be retaken to a maximum of 12 hours.

455 Independent Study. (1-3) A. Prerequisite: departmental approv-
al. Individual reading and research on a problem or area within the field
of security after student consultation with the instructor. Student must
have the independent study proposal form approved by faculty supervi-
sor and department chair prior to enrollment. May be retaken to a
maximum of six hours.

465 Quantitative Loss Prevention Analysis. (3) A. Concepts and
procedures for quantitative loss prevention management techniques.
Interpretation and application of loss prevention data and information
for policy development and decision making.

TRAFFIC SAFETY
INSTITUTE

B. Koepke, Program Coordinator

The primary function of the Traffic Safety Institute is to
provide instruction, public service, and research in the broad
area of traffic safety. The institute offers a wide range of
academic courses relative to the manpower needs within the
traffic safety field in both the private and public sector.

MINOR IN TRAFFIC SAFETY
(NON-TEACHING)

A student may minor in Traffic Safety by completing 18 hours
from the following courses: TRS 103, 232, 285, and 413; plus

LAW ENFORCEMENT

181
seven additional hours selected from TRS 100, 233, 234, 332, 349, 386, 407, 487, and 588.

**DRIVER EDUCATION ENDORSEMENT**

The requirements for a Driver Education Endorsement for any secondary teaching major are: TRS 285, 386, 487, and 588.

**Course Descriptions**

**TRS—Traffic Safety**

100 **Trends in Loss Prevention.** (1) A. Study of the development of loss prevention countermeasures to solve safety problems. Educational efforts, law enforcement activities, regulatory programs, and engineering concepts that are presently utilized to reduce accidents and injuries are reviewed.

103 **Safety in Personal Transportation.** (2) A. Designed to survey the basic concept of safety; including the philosophy and concept of risk, countermeasures, accident proneness and safety instruction; experience in traffic safety design and the personal assessment of safety-related behavior emphasizing personal forms of transportation.

232 **Alcohol - Drugs: Involvement in Traffic Crashes.** (3) A. Extensive investigation into traffic-related areas of alcohol and other drugs, their origin, development, use and misuse, and results of their abuse. Enforcement of driving under the influence law, chemical testing, and implied consent are examined.

233 A. Emergency and Defensive Driving Techniques. (3) A. Instruction for drivers in defensive driving techniques and emergency or unusual driving situations. Classroom and practice driving instruction in vehicle handling techniques.

234 **Beginning Motorcycle Safety.** (3) A. Designed to develop in students the necessary concepts, principles and competencies for use and protection of two-wheeled motorized vehicles including minibikes, motorcycles, and mopeds. Most are currently available in the market today.

285 **Introduction to Driver and Traffic Safety.** (3) A. Designed to provide the concepts, principles, judgment, and performance for safe, efficient use of the highway system. Exposure is provided in a multiple-phased driver education instruction program.

332 **Traffic Crash Causation and Investigation.** (3) A. A study of the principles of traffic accident causation and techniques used in investigation. Designed to increase the investigator's knowledge and understanding of causation. Gathering factual information through investigation as opposed to reporting traffic accidents.

349 **Cooperative Education.** (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. A minimum of 80 hours work required for each academic credit.

386 **Methods and Educational Media in Driver and Traffic Safety.** (3) A. Designed to provide the competencies to organize and instruct driver education utilizing the multimedia system and the simulation system of instruction.

407 **Independent Study in Driver and Traffic Safety Education.** (1-6) A. Designed to give the student the opportunity to develop specific competencies by designing and conducting research in the broad area of traffic safety, or by independent reading assignments in the area of traffic safety education. Student must have the independent study proposal form approved by the faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours.

413 **Current Developments in Driver and Traffic Safety.** (3) A. Current problems, issues, trends and developments in traffic safety are reviewed, analyzed, and evaluated.

487 **Behavioral Approaches to Driver and Traffic Safety.** (3) A. Designed to study, analyze, and develop behavioral objectives applied to driving task instruction with study and evaluation of individualized learning approaches for programs in driver education.

491 **Special Topics: .** (1-3) A. Prerequisite: instructor approval. Intensive study of selected topics in traffic and driver safety. May be retaken under different topics to a maximum of six hours.

588 **Laboratory Instructional Programs in Driver and Traffic Safety.** (3) A. Designed to provide the background, knowledge and competencies to instruct the laboratory phases of the multipule-car driving range and on-street instruction. Provided are experiences related to implementation and administration of such programs.

**GRADUATE COURSE**

788 **Laboratory Instruction Programs in Driver and Traffic Safety.** (3) A.

**DEPARTMENT OF POLICE STUDIES**

L. Gaines, Chair; Black, Cordner, Cox, Forester, B. Fox, Givan, Nixon, Potter, and Southerland.

The Department of Police Studies currently has approximately 500 majors and is one of the largest programs in the nation devoted to police and correctional education. The department offers a wide range of educational and job opportunities related to the following major objectives:

1. to provide students with an academic, ethical, and legal foundation for employment opportunities within the criminal justice field;
2. to provide service to individuals and organizations within the criminal justice system;
3. to prepare students for judicial and professional programs; and
4. to conduct research in criminal justice.

**PLANNED CURRICULUM**

Upon completion of 12 hours toward the associate degree or 60 hours toward the baccalaureate degree, the student must go to the Office of the Dean to initiate a planned curriculum which specifies the remaining graduation requirements. Any subsequent change in the planned curriculum must be proposed by the student on forms available from the Office of the Dean. Students must have a signed planned curriculum prior to applying for graduation. Any Change of Planned Curriculum which is processed during the semester in which a student intends to graduate will defer that student's application for graduation until the next semester.

**APPLICATION FOR GRADUATION**

It is the student's responsibility to file an application for graduation in the Office of the Dean no later than April 30 for December graduation and no later than October 31 for either May or August graduation. It is the student's responsibility to plan and register for the proper courses and to meet all graduation requirements.

**PROGRAM REQUIREMENTS AND PREREQUISITES**

Students are urged to review carefully all course and program prerequisites before enrolling in courses. Prerequisites are necessary for the maintenance of quality training standards and must be observed. Failure to do so may result in the student's mandatory withdrawal from the course.

Students enrolled in the Second Opportunity Program for the associate degree in Police Administration may take only those courses as described in their Second Opportunity Planned Curriculum. Students must have completed the Second Opportunity Program and have applied for graduation before declaring a baccalaureate major in Police Administration. A comment
indicating the student's Second Opportunity GPA will be placed on the transcript of any Second Opportunity student who by virtue of this program graduates with less than a 2.0 overall GPA.

A grade of "C" or higher must be earned in each PAD course for credit toward an associate or baccalaureate major in Police Administration. At least 12 hours in the major must be earned at Eastern Kentucky University.

A grade of "C" or higher must be earned in each course for credit toward a minor offered by the Department of Police Studies. At least six hours in the minor must be earned at Eastern Kentucky University.

 Majors and minors may not take 200 level or higher PAD courses until:
 1. a passing grade is earned in any required developmental English or Reading courses and
 2. a grade of "C" or better is earned in PAD 101 and 103 if required.

### Police Administration

#### MAJOR (BACHELOR OF SCIENCE)

**Major Requirements** .....................................39 hours

- PAD 101, 103, 204, 216, 300, 315, 316, 406, 416, and 12 hours PAD electives.

**Supporting Course Requirements** ........................12 hours

- PSY 202, 308, or 300; SOC 131, 235, 313, or 375; POL 101, 331, or 333; three hours from courses not previously selected or from CIS 212, 230, or FOR 301.

**Minor or Option Requirements** .............................18 hours

- Students may choose a minor (see note) or an option as approved by the Department of Police Studies. Options are a group of specified courses that develop a particular area of interest.

**General Education Requirements** ............................46 hours

- Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

**University Requirements** ...................................9 hours

- LEO 100; eight hours of restricted electives.

**Free Electives** ...........................................4 hours

**Total Curriculum Requirements** ............................128 hours

**NOTE:** The courses comprising the minor field (18 hours) will be selected with the approval of the advisor and the department chair in the minor field. Students may select a minor in any related field.

### MINOR IN POLICE ADMINISTRATION

A student may minor in Police Administration by completing a minimum of 18 semester hours of the following courses: PAD 101, 103, 216, and nine hours of upper division PAD electives.

### MINOR IN SOCIAL JUSTICE

A student may minor in Social Justice by completing PAD 101; SOC 235 or POL 464; PAD 345, POL 345, or SOC 400; SOC 375 or SOC 313; PAD 325, 390, or 401; PAD 406 or CRJ 580. (Students majoring in PAD may not minor in Social Justice.)

### Course Descriptions

#### PAD—Police Administration

**Major Requirements** ........................................24 hours

- PAD 101, 103, 204, 216, 315, 316, and six hours of PAD electives.

**Supporting Course Requirements** ..........................37 hours

- LEO 100*, PSY 202, 308, or 300; SOC 131, 235, 313, or 375; POL 101, 331, or 333; three hours from courses not previously selected or from CIS 212, 230, or FOR 301; six hours of English composition*; 12 hours in general education humanities, social science, and natural science* with at least three hours taken from each area (general education social science courses must be from categories 09, 10, and 11 and general education natural science courses must be from categories 13 and 14; no two courses can be taken from the same category), HPR 180*, 282*, and four hours restricted electives.

**Free Electives** ...........................................3 hours

**Total Curriculum Requirements** ............................64 hours

### Police Administration

#### ASSOCIATE OF ARTS

- **Major Requirements** ........................................24 hours

  - PAD 101, 103, 204, 216, 315, 316, and six hours of PAD electives.

  **Supporting Course Requirements** ..........................37 hours

  - LEO 100*, PSY 202, 308, or 300; SOC 131, 235, 313, or 375; POL 101, 331, or 333; three hours from courses not previously selected or from CIS 212, 230, or FOR 301; six hours of English composition*; 12 hours in general education humanities, social science, and natural science* with at least three hours taken from each area (general education social science courses must be from categories 09, 10, and 11 and general education natural science courses must be from categories 13 and 14; no two courses can be taken from the same category), HPR 180*, 282*, and four hours restricted electives.

  **Free Electives** ...........................................3 hours

  **Total Curriculum Requirements** ............................64 hours

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**LAW ENFORCEMENT**

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**183**
present status, and future development. The police response to a specific problem is the core of this course. Course may be taken one time.

345 Women, Crime and Criminal Justice. (3) A. Cross listed as COR 345. Review of contemporary issues in female criminality and victimization; analysis of how the women's movement and affirmative action have affected the role of both male and female professionals in criminal justice.

349 Cooperative Study in Police Administration. (1-8) A. Prerequisite: departmental approval. Work, under faculty and field supervisors, in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; fifteen, baccalaureate. Minimum 80 hours work required for each academic credit. A maximum of three hours of PAD 349 and 424 can be taken for the major.

350 Comparative Criminal Justice Systems. (3) A. A survey of selected world criminal justice systems including police, courts, and corrections as compared to the U.S. system.

375 Terrorism/Counterterrorism. (3) A. Cross listed as SLP 375. A study of domestic, foreign, and transnational terrorism, with emphasis on the philosophical bases, organization, equipment, and operations of terrorist groups. Role of law enforcement agencies in implementation of anti-terrorist measures is examined.

390 Predatory Crime and Crime Patterns. (3) A. Examination of selected crime categories including predatory street, conventional property, and sex crimes. Areas of concentration include theoretical and ecological characteristics, victim-offender relationships and crime patterns emphasizing police responses.

400 Applied Criminal Justice Statistics. (3) A. Cross listed as COR 400. Statistical concepts and procedures for the treatment of criminal justice data. Includes: mathematical operations, descriptive statistics, nonparametric and parametric methods, correlation, and hypothesis testing. Credit will not be awarded for both PAD 400 and any of the following: ECO 220, STA 208, 209, 210, 270, PSY 291, HEA 450, or EPY 842.

401 Organized Crime. (3) A. History, scope, and methods of control of organized crime in America. Emphasis on local, regional, and statewide control of organized crime. Cultural and social implications of the presence of organized crime are examined in depth.

405 Police Administration and Organization. (3) I, II. Critically examines organizational theory and change in the police context. Police administrative functions studied emphasizing planning, budgeting, policy development, and program evaluation. Credit will not be awarded for both PAD 315 and PAD 405.

406 Critical Issues in Criminal Justice. (3) I, II. Prerequisite: senior standing or instructor approval. Examination of the police and criminal justice with an emphasis on problems and trends. This course provides an analytical overview of justice and its response to the needs of society.

408 Police Computer Applications. (3) I, II. Prerequisite: CIS 212, 230, or instructor approval. Overview of police computer applications, including records systems, computer aided dispatch, management information systems, crime analysis, patrol allocation and deployment, and expert systems.

410 Human Relations in Policing. (3) A. Theoretical and practical problems and issues in the relationship between police agencies and the total community. Various police-community relations programs are outlined.

415 Police Policies and Programs. (3) I, II. Prerequisite: PAD 315, 405, or instructor approval. Examination of police administrative functions including planning, budgeting, policy development, and program evaluation. Review of contemporary police policy issues and modern programs and strategies. Assessment of reform measures and police accountability mechanisms.

416 Laws of Arrest, Search, and Seizure. (3) A. Prerequisite: PAD 316 or instructor approval. A detailed study of the laws of arrest (including the use of force), search and seizure, emphasizing the constitutional basis, historical development, statutes, and recent court decisions.

424 Field Experience. (3-12) A. Prerequisite: instructor and departmental approval. Maximum of 12 semester hours credit. Designed to broaden the educational experience through appropriate observational or work assignments. (Intended for pre-service students in non-sworn positions). A maximum of three hours of PAD 424 and PAD 349 can be taken for the major.

460 Independent Study. (1-3) A. Prerequisite: departmental approval. Individual study and/or research on a problem relating to police studies. May be retaken to a maximum of three hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.
In cooperation with other colleges of the University, the College of Natural and Mathematical Sciences strives: (1) to provide academic programs in the natural and mathematical sciences leading to master and baccalaureate degrees and to offer courses/programs to prepare students for pre-professional and professional fields; (2) to provide academic specialization for students in the teacher education programs at both the undergraduate and graduate levels; (3) to provide supporting, general education, developmental, and elective courses in the natural and mathematical sciences for all students in the University; (4) to provide academic leadership in mathematics and the sciences; (5) to provide a program of academic and career advising for students majoring in programs within the College; (6) to encourage the improvement of the teaching-learning relationship through improvement of instruction, efficient utilization of available resources, review and evaluation of academic programs, and opportunities for professional development; (7) to provide all students enrolled in courses in the natural and mathematical sciences with access to up-to-date laboratory/field equipment and computer assisted instruction on an individualized basis as an extension of natural and mathematical science courses and research efforts; (8) to encourage the development of interdisciplinary courses programs, both inter- and intra-college in nature; (9) to engage in research to advance knowledge in the natural and mathematical sciences and to enhance the College’s primary function of instruction; (10) to serve the local community, region, and the Commonwealth through public service; (11) to support and utilize the University’s natural areas as sites for advancement of scientific knowledge in the ecological and environmental disciplines of the natural sciences; and (12) to cooperate with all educational institutions in disseminating information and providing mutual support in attaining the highest possible quality courses and programs in the natural and mathematical sciences.

In addition, the College strives to (13) disseminate the natural and mathematical sciences to students and faculty at other institutions through conferences, symposia, and videos; (14) disseminate the natural and mathematical sciences to the community; (15) develop and maintain up-to-date computer and audio-visual facilities and equipment to enhance the learning environment; and (16) provide pre-professional advising for students in the natural and mathematical sciences, with emphasis on career guidance and preparation for professional schools.

SCIENCE LEARNING RESOURCE CENTER
The Science Learning Resource Center (SLRC), a division of the College, was established for the purpose of enhancing what the student learns in the classroom via a diverse number of innovative uses of audio-video and computer assisted instruction. Instruction is on an individualized basis and is an extension of the natural and mathematical sciences courses and research efforts. The SLRC, located in the Memorial Science Building, presently contains computer terminals, microcomputers, printers, plotter, a small science library, and multiple audio-video equipment and provides students with computer assisted instruction, computer simulations, and audio-video presentations.

DEGREES OFFERED
The College of Natural and Mathematical Sciences offers Bachelor of Arts, Bachelor of Science, and Bachelor of Individualized Studies degree programs.

The Bachelor of Arts is conferred upon students who major in chemistry and geology. The Bachelor of Science is conferred upon students who major in biology, chemistry, computer science, computer science and mathematics, earth science, environmental science, fisheries management, forensic science, geology, mathematics, mathematics-physical science, microbiology, physics, science, statistics, and wildlife management. The Bachelor of Individualized Studies is offered in cooperation with the College of Arts and Humanities and the College of Social and Behavioral Sciences.

APPLICATION FOR PLANNED CURRICULUM
Students should apply for a planned curriculum to the dean of the College. Students pursuing a baccalaureate degree must have completed at least 60 semester hours of course work and have been accepted by a department in the College as a major in that department before applying for a planned curriculum. The planned curriculum is prepared in consultation with a faculty advisor from the department of the student's major. Any change in the planned curriculum must be approved by the advisor, departmental chair, and the dean of the College.
REQUIREMENTS FOR GRADUATION

Students file an application for graduation in the dean's office. They should apply by the end of April if they will complete degree requirements in December, by the end of October if they will graduate in May or August. Students are responsible for planning their program and for registering for the proper courses so that they will have satisfied all degree requirements at the time they expect to graduate.

DEGREE REQUIREMENTS

General University requirements described on page 31 in Part Three of this Catalog, as well as specific course requirements set forth in the description curricula, must be met by students completing baccalaureate programs administered by the College of Natural and Mathematical Sciences. In addition to the general University requirements, the following specific policies regulate baccalaureate programs in the College of Natural and Mathematical Sciences.

1. A minimum of 128 hours with an undergraduate grade point average of 2.0 overall and in the major. Thirty of the last 36 hours must be earned at Eastern Kentucky University. This requirement may be waived upon recommendation by the department chair and approved by the dean of the College.

2. Area, major, and minor requirements: Each student must have an area of concentration or a major. Students with a major in a non-teaching certification program are not required to have a minor. A student may have a major with supporting courses in lieu of a minor if the student is obtaining teacher certification in biology, chemistry, computer science and mathematics, or mathematics.

   In teaching certification programs in earth science and physics, a student must complete both the major and a certifiable minor. The minimum number of semester hours in an area of concentration is 48. The minimum number of semester hours for a minor is 18, except that it is 21 with teaching certification.

   Students who transfer from another college or university must earn a minimum of 6 to 12 hours in their area or major at Eastern, the exact minimum to be determined by their advisor. When a minor is required, students must earn a minimum of one course in the minor at Eastern.

   While specific requirements for each degree program are found in the appropriate departmental presentation, the College's Academic Orientation course, NMO 100, is common to all programs.

GRADUATE PROGRAMS

The College of Natural and Mathematical Sciences cooperates with The Graduate School in presenting graduate courses and programs. The Master of Science degree is offered in biology, chemistry, geology, mathematical sciences, and physics. The College of Education offers the Master of Arts in Education degree with options in biology, chemistry, earth science, general science, mathematics, and physics. Eastern Kentucky University and the Department of Biological Sciences, in cooperation with the University of Kentucky and the School of Biological Sciences, offer the joint degree, Doctor of Philosophy. This degree is conferred by the University of Kentucky.

These programs are described in The Graduate School Catalog. Students desiring to pursue one of these programs should consult with The Graduate School and/or with the departmental chair.

COURSE NUMBERING

Courses numbered in the 500 series are open to seniors who meet course and program prerequisites. Additional appropriate experiences are required of all graduate students enrolled in courses in the 700 series. Courses numbered in the 800 series are open only to graduate students.

Pre-Engineering Curricula

There are two pre-engineering curricula offered by the College of Natural and Mathematical Sciences.

In the first curriculum, referred to as the Two-Two Curriculum, students spend two years at Eastern and study basic sciences, mathematics, and courses for their major discipline. Students then transfer their credits to the engineering school of their choice. Students can usually graduate after two years of work at the engineering school with a degree in engineering.

TWO-TWO CURRICULUM

Major Requirements..................................................31 hours
PHY 201, 202, MAT 124 +, 224, 225, CHE 111, 112.

Supporting Course Requirements..............................9 hours
CSC 174, PHY 221, IET 190 or 191.

General Education Requirements............................21 hours
Six hours of English composition, 15 hours selected from the humanities or social sciences to satisfy general education requirements at the chosen engineering school.

University Requirements...........................................1 hour
NMO 100.

Total Curriculum Requirements............................62 hours
+ College algebra and trigonometry may be required before admission to MAT 124.

THREE-TWO CURRICULUM

In the second curriculum - the Three-Two Curriculum - students spend three years at Eastern and then take two years of work in engineering at Georgia Institute of Technology, University of Kentucky, or Auburn University and get a baccalaureate degree from Eastern in physics or chemistry and an engineering degree from the engineering school. The additional year spent at Eastern allows students to do more work in a science major, thus improving the breadth of their background.

Variations occur depending upon the engineering degree sought and the differing requirements of Georgia Institute of Technology, University of Kentucky, and Auburn University. Inquiries concerning a specific program should be addressed to the pre-engineering advisor, Department of Physics and Astronomy. A program representative of the first two years is given above. The third year curriculum will depend primarily on the undergraduate major sought, either physics or chemistry.

A third option available to a student would be to complete requirements for a baccalaureate degree in physics at Eastern and then to apply to a graduate school in engineering for admission and graduate studies. Many engineering graduate schools actively recruit physics majors who have established a good academic record (better than a "B" average). Scholarships/fellowships which are awarded on a competitive basis would pay tuition and most expenses while in graduate school.

Pre-Forestry Curriculum

Arrangements made through the Southern Regional Education Board provide for students who wish to prepare as profes-
tional foresters to do the first two years of their work at Eastern Kentucky University and complete their training in two years and one summer at University of Kentucky or any other accredited school of forestry.

Students may elect a three-year program and graduate with a Bachelor of Science degree with a major in biology by transferring 30 semester hours from an accredited school of forestry.

Major Requirements .................................... 26 hours
BIO 131, 141, 211, 315, 328, 335, 536.

Supporting Course Requirements .......................... 42 hours
AGR 215, CHE 111, 112, CON 221, CSC 171, 174, ENG 300, GLY 108, IET 191 or 192, MAT 121+, PHY 131, SPE 100 or 300, STA 209 and 210, or 270.

General Education Requirements ......................... 34 hours
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ................................ 9 hours
NMO 100; eight hours of restricted electives.

Total Curriculum Requirements .......................... 111 hours
+ MAT 109 may be required before admission to MAT 121.

Pre-Optometry Curriculum

Students desiring to enter the competition for admission to an optometry school must complete a minimum of two years of pre-optometry courses. Actually, most schools of optometry require three years of pre-optometry courses and a few require the student to earn a baccalaureate degree before applying. The application deadline for optometry schools is usually in December. A minimum of three years work is required in the optometry school for the Doctor of Optometry (O.D.). Some optometry schools require four years for the O.D., and several universities have graduate programs leading to the M.S. and Ph.D. degrees in addition to programs leading to the O.D.

Requirements for admission to optometry schools vary. Students wishing to enter a pre-optometry program should immediately secure transfer information from the optometry school of their choice and then consult with their pre-optometry advisor.

Courses which students may take to meet requirements for admission to optometry schools should include the following.

Major Requirements .................................... 31 hours

Supporting Course Requirements ......................... 16-21 hours
MAT 109 and 109, or MAT 121, 122, PSY 201 or 202, STA 270.

General Education Requirements ........................ 24 hours
CHE 111, 112, six hours of English composition, six hours social science, HPR 180, 282.

University Requirements ................................ 1 hour
NMO 100; eight hours of restricted electives.

Total Curriculum Requirements .......................... 72-77 hours
+ MAT 109 may be required before admission to MAT 121.

Pre-Medical Sciences Preparatory Programs

Students who have career interest in medicine, dentistry, veterinary medicine, osteopathic medicine, or podiatry may fulfill general admissions requirements of respective professional schools by pursuing one of several Bachelor of Science degree programs in the Department of Biological Sciences or the Bachelor of Arts degree program in the Department of Chemistry. Programs of study in either department will be concentrated in biology and chemistry but will be complemented with appropriate courses in the humanities, social sciences, and communications. Course work in mathematics and physics will also be required. All students having an interest in the medical field will be assigned an academic advisor who will work closely with them in planning a program of study and assist them with the process of gaining admission to the professional school of their choice.
Biology
MAJOR (BACHELOR OF SCIENCE)

Major Requirements .................................................. 34-36 hours
BIO 131, 141, 211, 315, 320, 328 or 348, 490, 514, and two
biological sciences elective at the 300-500 level. At least one
field course must be included unless otherwise approved by
the department chair.

Supporting Course Requirements ................................ 38 hours
CHE 111, 112, 361, 362, 366, 367, MAT 121 or 261 +, PHY
131, 132, PSY 201 or 202, STA 209 and 210, or 270.

General Education Requirements ................................. 32 hours
Standard General Education program, excluding course cat-
egories 13, 14, 15, 16, and 19. Refer to Part Three of this
Catalog for details on the General Education and University
requirements.

University Requirements ............................................... 9 hours
NMO 100; eight hours of restricted electives.

Free Electives ............................................................ 13-15 hours
Recommended Courses: BIO 520, 546, 547, CHE 325, 570.

Total Curriculum Requirements ..................................... 128 hours
+ MAT 109 may be required before admission to calculus.

Chemistry
MAJOR (BACHELOR OF ARTS)

Major Requirements .................................................. 30 hours
CHE 111, 112, 325, 361, 362, 366, 367, 570, and three
hours of upper division chemistry electives.

Supporting Course Requirements ................................. 16 hours
MAT 121 or 261, PHY 201 and 202, or PHY 131 and 132;
PSY 201 or 202.

General Education Requirements ................................. 35 hours
Standard General Education program, excluding course cat-
egories 14, 15, 16, and 19. Refer to Part Three of this
Catalog for details on the General Education and University
requirements.

University Requirements ............................................... 9 hours
NMO 100; eight hours of restricted electives.

Free Electives ............................................................ 38 hours
Recommended courses: BIO 141, 211, 315, 320, 348, 546,
547.

Total Curriculum Requirements ..................................... 128 hours

MATHEMATICS—PHYSICAL SCIENCE
(TEACHING) PROGRAM

The Area of Concentration in Mathematics-Physical Science
(Teaching) is designed to provide students with a broad back-
ground, including sufficient depth to allow them to teach in the
joint areas of mathematics and physical science. Graduates of
this program may be certified by the Kentucky Department of
Education to teach any of the following courses: (1) any
secondary mathematics course, (2) high school chemistry, (3)
high school physics, and (4) secondary courses in physical
science, earth science, and integrated science.

Students in this program must complete the required courses
in general education and professional education as well as a
prescribed core of fifteen semester credit hours in each of the
three primary areas of chemistry, mathematics, and physics.
Also, the student must choose one of these primary areas to
take a minimum of three additional credit hours of work.

Students are encouraged and advised to take additional courses
in order to complete a certifiable minor (21 semester hours) in
chemistry, mathematics, or physics.

Mathematics—Physical
Science (Teaching)

AREA OF CONCENTRATION (BACHELOR OF
SCIENCE)

Area Requirements .................................................... 48 hours
CHE 111, 112, 325, and two hours of upper division chemis-
ty for a total of 15 hours. MAT 121, 122, 214, 223, and 301,
PHY 201 and 202, or 131 and 132; 300, and 306 or 308.
The student must select one of the above three disciplines in
which to take 18 credit hours. The 18 hours of credit are met
by these departments in the following manner. The Depart-
ment of Mathematics, Statistics, and Computer Science and
the Department of Physics and Astronomy require an addi-
tional upper division course beyond those listed above. The
Department of Chemistry requires CHE 361 and 366 beyond
those listed above.

Supporting Course Requirements ................................. 4 hours
CSC 171, GLY 302.

Teacher Education Requirements .............................. 28 hours
EDF 102, 202, 317, EPI 318, ESE 450 or 451, 498, 499.

General Education Requirements .............................. 36 hours
Standard General Education program, excluding course cat-
egories 14, 15, and 16. Refer to Part Three of this Catalog
for details on the General Education and University require-
ments.

University Requirements ............................................... 9 hours
NMO 100; eight hours of restricted electives.

Free Electives ............................................................ 3 hours

Total Curriculum Requirements ..................................... 128 hours

SCIENCE (TEACHING)

Teaching life sciences, physical sciences, or integrated sci-
ence is extremely important and holds the opportunity of an
exciting career for anyone with a broad interest in the sciences.
The Area of Concentration in Science (Teaching) offers a
convenient method to become certified to teach courses in
these areas. The Area of Concentration in Science (Teaching)
is designed to provide students with a general background in
the areas of biology, chemistry, earth science, and physics.
Students in this program must complete the required courses
in general education and professional education as well as a
minimum of 48 semester hours in the sciences. These 48
semester hours in the sciences must include the core require-
ments of 33 hours of specified courses from the fields of
biology, chemistry, earth science, and physics. Also included
within these 48 hours must be a minimum of 21 hours from one
of the sciences in order to qualify the student for a teaching
minor in that science.

A student completing the requirements for the Area of Con-
centration in Science (Teaching) would be certified by the
Kentucky Department of Education to teach only in the ma-
(jor(s) (30 hours) or minor(s) (21 hours) disciplines and the
integrated science course taught at the secondary classifica-
tion level. Students should consider a major or additional
minors with the Area of Concentration in Science.
Science (Teaching)
AREA OF CONCENTRATION (BACHELOR OF SCIENCE)

Area Requirements ........................................... 48 hours

Core (33 hours)

Minor (21 hours)
The student must choose at least one minor: Biology, Chemistry, Earth Science, or Physics. Consult departmental listings for minor requirements. The student must select additional hours in biology, chemistry, earth science, physics or either NAT 300 or SCI 310 to total 48 semester hours of academic credit.

Supporting Course Requirements ................................ 4 hours
CSC 171, MAT 107 or equivalent.

Teacher Education Requirements ............................... 28 hours
EDF 102, 202, 317, EPY 318, ESE 441 or 451, 498, 499.

General Education Requirements .............................. 33 hours
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ......................................... 9 hours
NMO 100; eight hours of restricted electives.

Free Electives ................................................. 6 hours

Total Curriculum Requirements ................................. 128 hours

Individualized Studies
(BACHELOR OF INDIVIDUALIZED STUDIES)

The Bachelor of Individualized Studies degree (B.I.S.) is a degree given and administered by three colleges: The College of Arts and Humanities, the College of Natural and Mathematical Sciences, and the College of Social and Behavioral Sciences. The program will provide students with a solid liberal arts education and the flexibility to pursue a unique interdisciplinary course of study of their own planning in pursuance of specific intellectual and/or career goals. It is intended further for students whose interests do not coincide readily with one of the traditional majors and who have the creative and integrative abilities necessary to plan and follow their own programs. A few examples of types of programs which might be pursued are theatre management (combining drama and business), medical illustration (combining biology and art), and other area studies. Refer to the College of Arts and Humanities section of this Catalog for details regarding admission and curricular requirements.

NATURAL AND MATHEMATICAL SCIENCES COURSES

NMO—Orientation

100 Academic Orientation. (1) A. An introduction to the programs of the University and the College. Discussion of how to study, what to consider in choosing a profession, and what career opportunities exist for graduates from the College’s programs. Additional topics include University regulations, publications, and support areas. Open to all student during their first two semesters of enrollment at EKU; beyond that open to students with fewer than 30 semester hours earned.

CNM-Interdisciplinary

315 Topics in Natural Science General Education: ______. (3) A. An experimental course designed to be used for general education credit in fulfilling the requirements of course categories 15 and 16 in Area IV.

499 Independent Work. (3-6) A. Prerequisite: CUM. GPA 2.5 up to last semester of program in Bachelor of Individualized Studies degree. Independent research and/or field work required for the Program of Bachelor of Individualized Studies degree. Student must have the independent study proposal form approved by the student’s B.I.S. Advisory Committee.

500 Interdisciplinary Seminar: ______. (3) A. An in-depth consideration of problems which involve several disciplines. A different problem will be considered each time course is offered. Representatives of various disciplines will participate in instruction. May be retaken to a maximum of six hours.

GRADUATE COURSE

700 Interdisciplinary Seminar: ______. (3) A.

GULF COAST RESEARCH LABORATORY COURSES (MAR)

Eastern Kentucky University is affiliated with the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. This affiliation provides undergraduate and graduate students with the opportunity to take courses and conduct research in marine sciences at an established, well equipped laboratory located on the Gulf of Mexico. Students electing to study at Gulf Coast Research Laboratory do not pay out-of-state tuition.

The following courses are taught only at Gulf Coast Research Laboratory, Ocean Springs, Mississippi, during the summer. The Laboratory furnishes the staff for course work and research. Applications for the program and additional information are available in the Departments of Biological Sciences, Chemistry, and Geology and in the Division of Natural Areas.

Courses and numbers in parentheses are assigned by the Gulf Coast Research Laboratory.

MAR—Marine Sciences

342 Oceanography I: Physical, Chemical and Geological (Oceanography 251). (5) A. Prerequisites: college algebra and two semesters of inorganic chemistry. Introductory course in oceanography; integration of fundamentals of chemical, geological and physical oceanography.

343 Oceanography II: Marine Biology (Oceanography 252). (5) A. Prerequisite: eight hours of biology. A general introduction to marine biology with emphasis on local fauna and flora.

400 Special Problems in Marine Science (Marine Science 400). A. Prerequisites and credit to be set by the Problem Director at the Laboratory. Supervised research on specific problems in all areas of marine science.

501 Marine Botany (Botany 341). (4) A. Prerequisites: ten hours of biology and general botany. A survey of the principal groups of marine algae and maritime flowering plants; their structure, reproduction, distribution, identification, and ecology.

502 Salt Marsh Plant Ecology (Botany 441). (4) A. Prerequisites: ten hours of biology and general botany. Emphasis on the botanical aspects of local marshes. Composition, structure, distribution, and development of coastal marshes.

503 Marine Microbiology (Microbiology 452). (5) A. Prerequisite: general microbiology. Introduction to microorganisms of oceans and estuaries. Course work includes sampling procedures, marine bacteria taxonomy, mineralization, microbial fouling, pollution, and marine animal diseases.

509 Coastal Vegetation (Botany 331). (3) A. Prerequisites: ten hours of biology and general botany. A study of general and specific aspects of coastal vegetation, with emphasis on local examples.
510 Marine Invertebrate Zoology (Zoology 361). (6) A. Prerequisite: 16 hours of zoology. Concentrated study of free-living marine invertebrates of Mississippi Sound and adjacent continental shelf with emphasis on the structure, classification, phylogeny, larval development, and functional processes.

511 Marine Vertebrate Zoology and Ichthyology (Zoology 362). (6) A. Prerequisites: 16 hours of zoology and comparative anatomy. A general study of marine Chordata, with emphasis on the fishes. Identification and classification of fishes stressed in laboratory.

512 Marine Fisheries Management (Zoology 442). (4) A. Prerequisites: Ichthyology and fisheries biology. Practical marine fisheries management problems with emphasis on achieving optimum sustainable yield from marine resources; management methods, legal problems, and educational needs of fishing technology.

513 Behavior and Neurobiology of Marine Animals (Zoology 443). (4) A. Prerequisite: 16 hours of zoology and/or psychology. A survey of the behavior, neuroanatomy, and neurophysiology of selected marine animals. Emphasis on neural mechanisms underlying their behavior.

514 Parasites of Marine Animals (Zoology 461). (6) A. Prerequisite: General parasitology. Parasites of marine organisms with emphasis on morphology, taxonomy, life histories, and host-parasite relationships. Laboratory includes collecting, staining, mounting, and identification of parasites to the generic level.

515 Aquaculture (Zoology 464). (6) A. Prerequisites: General zoology and invertebrate zoology. Technology, principles, and problems relating to the culture of selected marine and estuarine organisms. Laboratory and field experience for participation in organized mariculture operations and/or research.


520 Marine Chemistry (Chemistry 461). (6) A. Prerequisites: 16 hours of chemistry and three to six hours of biology and geology. A study of chemical aspects of ocean ecosystems. Instrumentation includes gas-liquid chromatography, atomic absorption, spectrophotometry.

533 Coastal Marine Geology (Geology 451). (3) A. Prerequisites: six hours of geology. A study of inshore and nearshore geological processes, sedimentation patterns, and landform development.

541 Marine Ecology (Zoology 452). (5) A. Prerequisites: 16 hours of biology, including general botany and invertebrate zoology; analytical chemistry. A study of the relationship of marine organisms to their environment and factors affecting their abundance and distribution.

542 Fauna and Faunistic Ecology of Tidal Marshes (Zoology 447). (4) A. Prerequisite: 16 hours of biology. Survey and discussion of the ecology, distribution, and functional relationships of marine invertebrates, and adaptation of tidal marsh animals with emphasis on those occurring in northern Gulf marshes.

550 Marine Science for Teachers I: Basic Techniques (Marine Science Education 431). (3) A. Prerequisite: biology background. Designed to introduce in-service teachers to the study of marine science and to promote the teaching of marine biology at all grade levels.


GRADUATE COURSES

701 Marine Botany (Botany 341). (4) A.
702 Salt Marsh Plant Ecology (Botany 441). (4) A.
703 Marine Microbiology (Microbiology 452). (5) A.
709 Coastal Vegetation (Botany 331). (3) A.
710 Marine Invertebrate Zoology (Zoology 361). (6) A.
711 Marine Vertebrate Zoology and Ichthyology (Zoology 362). (6) A.
712 Marine Fisheries Management (Zoology 442). (4) A.
713 Behavior and Neurobiology of Marine Animals (Zoology 443). (4) A.
714 Parasites of Marine Animals (Zoology 461). (6) A.
715 Aquaculture (Zoology 464). (6) A.
716 Early Life History of Marine Fishes (Zoology 448). (4) A.
720 Marine Chemistry (Chemistry 461). (6) A.
733 Coastal Marine Geology (Geology 431). (3) A.
741 Marine Ecology (Zoology 452). (5) A.
742 Fauna and Faunistic Ecology of Tidal Marshes (Zoology 447). (4) A.
750 Marine Science for Teachers I: Basic Techniques (Marine Science Education 431). (3) A.
751 Marine Science for Teachers II: Advanced Studies (Marine Science Education 432). (3) A.
801 Special Topics in Marine Science (Marine Science 705). (1-6) A.
802 Seminar (Marine Science 510). (1) A.
804 Special Problems in Marine Science (Marine Science 700). A.

DEPARTMENT OF BIOLOGICAL SCIENCES

S. Jones, Chair; Batch, Branson, Creek, Cupp, Elliott, Farrar, Frederick, Funderburk, Harley, R. Jones, Keefe, Mardon, Martin, Otero, Ramey, Ritchison, Schuster, Thompson, Varney.

The Department of Biological Sciences provides curricula for five major programs of study which fulfill the requirements for the Bachelor of Science degree: (1) Biology and Biology-Teaching Option; (2) Environmental Resources; (3) Fisheries Management; (4) Microbiology-Biotechnology Option; and (5) Wildlife Management. The curriculum for each program of study was organized for the presentation of subject matter and laboratory inquiry at three sequential levels of learning: Level I. A common core of courses dealing with organismic biology, cell biology and genetics, developmental biology and mechanisms of integration; Level II. Courses in subject areas of biology to include: genetics, microbiology, physiology, evolution, and ecology that further emphasizes the physiological aspects of organismic biology, molecular, cellular, and population biology; Level III. Advanced courses to develop the biological competency commensurate with the specific major being pursued. Within the diversity of the courses comprising the total curriculum, the specializations of the faculty, and laboratory methodological approaches, students will be provided opportunities for studies in the development of their specific career aspirations.

Reflective of the growth in knowledge in the technology of genetic engineering such as cloning, gene splicing, potential for new biological products, etc., the department offers an option in Biotechnology as part of the Microbiology program. The courses structured for the Microbiology program and the option in Biotechnology will provide the foundations in molecular genetics and the laboratory experience commensurate with entry level positions in the expanding field of biotechnology. For students beyond the bachelor’s degree, the Microbiology program and option in Biotechnology will provide the foundations in molecular genetics and the laboratory experience commensurate with entry level positions in the expanding field of biotechnology.

In concert with the needs of the state and nation to provide a cadre of professionally competent teachers, the department has organized a series of biology courses and support courses in chemistry, physics, and mathematics to prepare students for advanced studies at the M.S. and/or Ph.D. degree levels of education.

In concert with the needs of the state and nation to provide a cadre of professionally competent teachers, the department has organized a series of biology courses and support courses in chemistry, physics, and mathematics, which in conjunction with the professional component of courses in education, will provide students the opportunity to acquire the competency to teach biology at the secondary level of education. This program of study was designed to produce biologists who desire a career in teaching.
For student research and course instruction in the resources management programs which require an “out-of-doors” laboratory setting, the department has available, through the University’s Division of Natural Areas, a variety of environmental settings such as Lilley Cornett Woods, Spencer-Morton Preserve, and Maywoods Environmental and Educational Laboratory. Additional opportunities for enrichment of the student’s program of study, at the undergraduate and graduate levels, are available through the University’s affiliation with Gulf Coast Research Laboratory, Ocean Springs, Mississippi, and Upper Cumberland Biological Field Station, Cookeville, Tennessee. Both the department and the Division of Natural Areas work cooperatively to assist students in attending these laboratories for specialized courses and research in terrestrial and freshwater ecology and marine science.

MINOR IN BIOLOGY
A student may qualify for a minor in biology by completing 21 semester hours of course work as outlined: BIO 131, 141, 211, and nine additional hours selected from those 200 through 500 level courses which are acceptable for degree programs in biology. Biology 211 specified for the minor in biology has prerequisites of Chemistry 111 and 112.

Students who seek a career in teaching in other major areas of the natural sciences may desire certification in biology at the level of preparation of a minor, to enhance their employment opportunities. Teacher certification for a minor in biology will require 21 semester hours of course work as stipulated.

PRE-PROFESSIONAL PREPARATION
Students who have a career interest in either medicine, dentistry, veterinary medicine, osteopathic medicine, or podiatry may fulfill the general admissions requirements of respective professional schools by pursuing one of several major programs available in the Department of Biological Sciences, which will also fulfill the requirements for the Bachelor of Science degree. In addition to specific courses designated in the major that students elect to pursue, if not included in that major, selections from the following courses are recommended: BIO 520, 527, 528, 546, 547, CHE 325, 361, 362, 366, 367, 570, and MAT 121 or 261+ (premedical and preental students who take the recommended courses in biology and chemistry may substitute PSY 201 for HEA 281). For specific course requirements for a major, the student is referred to the curricula for the various majors in the biological sciences.

Students may elect to complete only three years of their program of study, including all General Education requirements, and transfer the first year of academic work from an accredited school of medicine, dentistry, veterinary medicine, osteopathic medicine, or podiatry to complete the requirements for the Bachelor of Science degree. The three-year program should include: BIO 131, 141, 211, 315, 320, 348, 490, 514, a biological field course, CHE 111, 112, 325, 361, 362, 366, 367, MAT 121 or 261+, PHY 131, and 132. +MAT 109 may be required before admission to calculus.

Courses Acceptable for Programs of Study
All courses offered by the Department of Biological Sciences or equivalent ones are acceptable to meet program requirements except the following courses or equivalent ones, which may not be substituted for specific courses and/or electives: BIO 100, 171, 271, 273, 276, 300, 301, 302, 303, 304, 317, 349, 371, and 378.

GRADUATE PROGRAMS
The Department of Biological Sciences offers the Master of Science degree in Biology and an option in Applied Ecology. A planned curriculum of study may be organized from a variety of courses which provide opportunities for students to develop competencies in subject matter content and a research area as to: ecology and wildlife biology, ecology of freshwater fishes and aquatic biology, ecology of forest and grassland communities, physiological ecology, animal and plant systematics, morphology, animal behavior, biochemistry and physiology of parasites, physiology and cell biology, endocrinology, microbiology, and other special interests in botany and zoology.

The Master of Arts in Education degree with an option in Biology is offered in the College of Education in cooperation with the Department of Biological Sciences. The College of Education in cooperation with other natural science departments participates jointly in the offering of the Master of Arts in Education with an option in General Science.

A Ph.D. program is offered through a joint participation agreement between the School of Biological Sciences at the University of Kentucky and the Department of Biological Sciences at Eastern Kentucky University. To participate in the joint Ph.D. program, the student must have completed the Master of Science degree in Biology at Eastern Kentucky University. The Ph.D. degree will be conferred at the University of Kentucky.

The general requirements for admission to the Graduate School are described under that section in this Catalog, or more detailed requirements are specified in the Graduate Catalog. The Department of Biological Sciences provides specific information in a brochure: Introduction to Graduate Studies in Biology, which may be obtained upon request by prospective applicants.

Biology (Teaching)
MAJOR (BACHELOR OF SCIENCE)

Major Requirements ........................................ 34-36 hours
BIO 131, 141, 211, 315, 320, 328 or 348, 490, 514, and two electives in biology at the 300-500 level, to include a field course unless otherwise approved by the departmental chair.

Supporting Course Requirements .............................. 31-37 hours
CHE 111, 112, 361, 366; 362 and 367, or 330, or 530; MAT 107 or 109 or 121 or 261, PHY 131, PHY 132 or GLY 108; and STA 209 and 210, or 270.

Teacher Education Requirements .............................. 28 hours
EDF 102, 202, 317, EPI 318, ESE 441, 498, 499.

General Education Requirements ............................. 34 hours
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ...................................... 9 hours
NMO 100; eight hours of restricted electives.
Total Curriculum Requirements .............................. 136-144 hours

Biology
MAJOR (BACHELOR OF SCIENCE)

Major Requirements ........................................ 34-36 hours
BIO 131, 141, 211, 315, 320, 328 or 348, 490, 514, and two electives in biology at the 300-500 level, to include a field course unless otherwise approved by the departmental chair.
Environmental Resources

MAJOR (BACHELOR OF SCIENCE)

Major Requirements .......................................................... 35 hours
BIO 131, 141, 211, 315, 316, 320, 328 or 348, 490, 514, and one course from BIO 335, 340, 355, 381, 522, 536, 553, 558, or 599.

Supporting Course Requirements ....................................... 32-33 hours
CHE 111, 112; MAT 107 and 108, or 109; STA 209 and 210, or 270; 15 hours from the following groups of courses, with at least one course from each group, and at least seven hours at the 300-500 level:
- Group C—GEO 302, 321, 355, 556, PLA 220, 300.
- Group D—GLY 109, 109, 351, 390, 410, 411, 580.

General Education Requirements ...................................... 34 hours
Standard General Education program, excluding course categories 13, 14, 15, 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements .................................................. 9 hours
NMO 100; eight hours of restricted electives.

Free Electives* .................................................................. 17-18 hours
Total Curriculum Requirements ...................................... 128 hours

*Chosen with advisor's guidance.

Microbiology

Biotechnology Option

MAJOR (BACHELOR OF SCIENCE)

Major Requirements .......................................................... 42-43 hours
Microbiology Core
- BIO 131 or 141, 211, 315, 320, 328 or 348, 490, 514, 520, 527, 528, 530 or 531, 532, and a field course unless otherwise approved by the departmental chair.

Option
- Biotechnology ............................................................... 16 hours
- BIO 530 or 531, 597, 598 or 349; two courses from CHE 325, 530, 570.

Supporting Course Requirements ..................................... 36 hours
CHE 111, 112, 361, 362, 366, 367; one course from CHE 325, 530, 570; MAT 121 or 261+, PHY 131, 132.

General Education Requirements ...................................... 34 hours
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements .................................................. 9 hours
NMO 100; eight hours of restricted electives.

Free Electives.................................................................. 0-7 hours
Total Curriculum Requirements .................................... 128-138 hours

Fisheries Management

MAJOR (BACHELOR OF SCIENCE)

Major Requirements .......................................................... 56-59 hours
BIO 131, 141, 211, 315, 316, 320, 328 or 348, 490, 510, 514, 557, 558, 561, 562, 598, and two courses from BIO 335, 341, 355, 518, 524, 525, 542.

Supporting Course Requirements ...................................... 31-37 hours
CHE 111, 112, 361, 366; MAT 107 or 109 or 121 or 261; STA 270, or 209 and 210; PHY 131; two courses from CHE 325, 330 or 530, 362 and 367, 570, PHY 132, GLY 108.

General Education Requirements ...................................... 34 hours
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements .................................................. 9 hours
NMO 100; eight hours of restricted electives.

Total Curriculum Requirements .................................... 130-139 hours

Wildlife Management

MAJOR (BACHELOR OF SCIENCE)

Major Requirements .......................................................... 59-62 hours
BIO 131, 141, 211, 315, 316, 320 or 342, 328 or 348, 381, 382, 489, 490, 514, 553, 554, 585, 586; one course from BIO 355, 518, 522, 536, 556, 557, 558, 561, 562, 599.

Supporting Course Requirements ...................................... 27-33 hours
CHE 111, 112, MAT 108 or 121 or 124 or 261; STA 270, or 209 and 210; GLY 414 or AGR 215; three courses from CHE 330, 361 and 366, 362 and 367, 570, GLY 108, GEO 355, 556, STA 271, PHY 131, 132.

General Education Requirements ...................................... 34 hours
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements .................................................. 9 hours
NMO 100; eight hours of restricted electives.

Total Curriculum Requirements .................................... 129-138 hours

Course Descriptions

BIO—Biology

100 Introductory principles of biology. (3) I, II. The course will deal with basic introductory principles of biology that are fundamental to an individual's knowledge, as it pertains to the interrelationships of living organisms to the natural world. Topics to be addressed: cellular basis of life, metabolism, genetics, biological diversity, reproduction, evolution, ecology, and environmental biology. Credit will not be awarded for both BIO 100 and NAT 101. 2 Lec/2 Lab. Gen. Ed. 13.


171 Human Anatomy. (3) I, II. A study of the basic anatomy of the human body and appropriate correlations with body functions. 1 Lec/4 Lab. Gen. Ed. 13.

111 Principles of Biological Systems. (4) I, II. Prerequisites: BIO 131 or 141, and CHE 112. Cellular structure and function; tissue-organ system levels of organization; reproduction and development; and heredity and evolution. 3 Lec/2 Lab.

271 Advanced Human Anatomy. (3) II. Prerequisites: BIO 171 and departmental approval. An advanced study of human anatomy. Emphasis is placed on the musculoskeletal and nervous systems and their anatomical and functional relationships. 2 Lec/2 Lab.

273 Clinical Microbiology. (4) I, II. Prerequisites: BIO 171, and CHE 105 or 106, or instructor approval. A study of microorganisms as causative agents in diseases of humans with emphasis on differentiation and culture, types of diseases, modes of transmission, prophylactic, therapeutic, and epidemiological considerations. Credit will not be awarded for both BIO 273 and BIO 276. 2 Lec/4 Lab.

276 Medical Microbiology. (5) I. Prerequisite: BIO 211 or instructor approval. Pathogenic bacteria and fungi commonly found in allied health facilities will be examined by typical hospital laboratory procedures with emphasis on identification and epidemiology. Credit will not be awarded for both BIO 276 and BIO 273. 3 Lec/4 Lab.

300 Economic Plants. (3) I, II. Economic consideration of plants as sources of food, medicine, and other by-products; the origin, domestication, general anatomy, and culture of plants; deleterious plants; aspects of aesthetics and their effect on society and world events. Gen. Ed. 15/16, 30/1.

301 Human Physiology. (3) I, II. Functions of human life processes at the cellular, tissue, and organ-system levels of organization with emphasis on homeostatic mechanisms will be considered in this course. Gen. Ed. 15/16 and Gen. Ed. 13 with BIO 376.

302 Human Heredity. (3) I, II. This course is the same as BIO 303, except that a laboratory is offered to demonstrate certain aspects of inheritance more thoroughly. A complete description is listed under BIO 303. Credit will not be awarded for both BIO 302 and BIO 303. 2 Lec/2 Lab. Gen. Ed. 15/16.

303 Human Heredity and Society. (3) I, II. Inheritance of human traits, including blood groups, sex and sex-related traits, lethal factors, mental capacities, and metabolic disorders; pedigrees, family traits, and population trends. Credit will not be awarded for both BIO 303 and BIO 302. Gen. Ed. 15/16.

314 Birds of Kentucky. (3) A. Popular consideration of birds of the eastern and central United States with emphasis on birds of Kentucky, and especially birds of the local area. Field trips required. 2 Lec/2 Lab. Gen. Ed. 15/16.

311 Microtechnique. (2) A. Prerequisite: BIO 211 or instructor approval. Techniques of preparing plant and animal tissue for microscopic study. 4 Lab.

315 Genetics. (4) I, II. Prerequisite: BIO 211. The physical and chemical basis of heredity and variation. Topics include segregation and linkage, pathogenesis of disease, mutation, and statistical procedures. 2 Lec/4 Lab.

316 Ecology. (4) I. Prerequisites: BIO 131 and 141. Basic concepts and principles as applied to the study of organisms or groups of organisms in their interrelations to each other and to their environment. 2 Lec/4 Lab.

317 Conservation of Wildlife Resources. (3) I, II. Introduction to the principles and practices of conservation of plants and animals; requirements and values of wildlife resources; impact of human activities on resources. Gen. Ed. 15/16.

320 Principles of Microbiology. (4) I, II. Prerequisites: BIO 211 and CHE 112, or instructor approval. A study of bacteria and microorganisms, their morphology, development, and function; techniques of isolation, cultivation and identification; physiology, nutrition, and genetics; role of microbes in medicine, agriculture, and industry. 2 Lec/4 Lab.

321 Communicable Diseases. (3) A. Prerequisite: BIO 211 or 273 or 320 or instructor approval. A study of communicable diseases of humans in allied health care facilities, hospitals, and communities. Topics include: infectious agents, reservoir, mode of transmission, incubation period, susceptibility, communicability, resistance, prevention, and control methods.

325 Plant Anatomy. (3) A. Prerequisite: BIO 131 or instructor approval. Anatomy and histology of vascular plants, phylogenetic developments, and adaptive modification. 1 Lec/4 Lab.

328 Plant Physiology. (4) I, II. Prerequisites: BIO 131, 211, CHE 112 or instructor approval. Application of elementary physical and biological principles to the understanding of plant processes involved in the assimilation, metabolism, and regulation of growth and development. 2 Lec/4 Lab.

330 Plant Morphology. (4) A. Prerequisite: BIO 131. Evolutionary morphology and the life histories of vascular and non-vascular plants. 2 Lec/4 Lab.

335 Plant Systematics. (3) II. Prerequisite: BIO 131. Identification, classification, and phylogeny of vascular plants; principles of taxonomy. 1 Lec/4 Lab.

340 Marine Biology. (3) II. Prerequisites: BIO 141 and 211. To develop an understanding of marine organisms. The course will include an extended field trip to the Florida Keys and will involve the collection, identification, and study of the ecology and life history of marine organisms. 1 Lec/4 Lab.

341 Invertebrate Zoology. (4) A. Prerequisite: BIO 141. Comparative morphology, physiology, development, evolutionary relationship, and life histories of the invertebrate animals. 2 Lec/4 Lab.

342 Comparative Anatomy. (4) I. Prerequisite: BIO 141. Phylogeny and morphology of the classes of vertebrates. Comparative studies of organs and systems of vertebrate animals based principally on the dogfish, *Necturus*, and cat. 2 Lec/4 Lab.

348 General Physiology. (4) I, II. Prerequisites: BIO 211 and CHE 112. A study of the physical and chemical aspects of mechanisms of function of animals at the organ-system level of organization in relationship to homeostasis, with appropriate laboratory methodology. 2 Lec/4 Lab.

349 Comparative Study: Biology. (1-8) A. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight; associate; sixteen, baccalaureate. A minimum of 80 hours of employment required for each semester hours of academic credit.

355 Entomology. (3) A. Prerequisites: BIO 141 and 211. Taxonomy, identification, life histories, physiology, economic importance, methods of control, and collection of insects, with emphasis on local forms. 1 Lec/4 Lab.

371 Neuroanatomy. (4) I. Prerequisite: BIO 171 or instructor approval. Anatomy of the nervous system and the relationships to functions of the systems of the human body. 2 Lec/4 Lab.

378 Human Physiology Laboratory. (1-8) I. Prerequisite or Corequisite: BIO 301. A series of experiments will be presented which will allow students to demonstrate some of the typical physiological processes and functions that are related to human physiology. 2 Lab. Gen. Ed. 13 with BIO 301.

381 Principles of Wildlife Management. (3) I. Prerequisites: BIO 211 and 316. Basic principles of wildlife management and their application to current problems.

382 Wildlife Techniques. (4) I. Prerequisite or Corequisite: BIO 381. Techniques used in wildlife ecology, emphasizing habitat evaluation and manipulation, population estimation, and management. 2 Lec/4 Lab.

399 Trends in The Biological Sciences. (1-4) A. Prerequisite: instructor approval. A presentation of selected topics in the biological sciences reflective of new developments and current trends in scientific advancement. May be taken to a maximum of six hours. Gen. Ed. 15/16.

409 Field Studies in Wildlife. (1-3) A. Prerequisite: student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Field studies designed to enhance the student's wildlife management techniques. Required of all wildlife management majors during the junior or senior year. May be taken to a maximum of three hours.

490 Biology Seminar. (1) I, II. Prerequisite: junior or senior standing in biology. Students and members of the faculty meet to present, discuss, and exchange ideas on selected topics, based on the scientific literature for the biological sciences.

510 Quantitative Biology. (3) I. Prerequisite: MAT 107 or instructor approval. Statistical analysis of biological data. Students participate in the taking of data and processing data by the use of well-established statistical techniques. 6 Lab-Disc.
514 Evolution. (3) I. Prerequisite: BIO 315 or instructor approval. Processes of organic evolution with emphasis on the theory of natural selection.

518 Parasitology. (3) A. Prerequisite: BIO 211. Principles of parasitology, including basic morphology, classification, life cycle, and host-parasite relationships. 2 Lec/2 Lab.

519 Clinical Parasitology. (3) A. Prerequisite: BIO 211 or instructor approval. To develop an understanding of and an appreciation for those parasites that are of medical importance to the health of humans throughout the world. 3 Lec-Lab.

520 Pathogenic Microbiology. (4) II. Prerequisite: BIO 320 or instructor approval. Studies in the field of advanced clinical microbiology with emphasis on morphology, cultivation, biochemistry, and serological identification of bacterial and mycotic diseases; and aspects of pathogenesis, epidemiology, and control measures of bacterial and mycotic diseases. 2 Lec/2 Lab.

521 Plant Ecology. (3) A. Prerequisite: BIO 131 and 211 or instructor approval. Plant life in relation to natural habitats and environmental factors with emphasis on instrumentation and methodology for ecological studies. 2 Lec/3 Lab.

522 Grasses and Grassland. (3) I. Prerequisite: BIO 316, 335, or instructor approval. Evolution, structure, function and maintenance of grasslands; laboratory, session on phytochemistry, classification and identification of grasses. Emphasis on North American grasses and grasslands with field trips to natural and managed grasslands of Kentucky. 1 Lec/4 Lab.

524 Physiology. (3) A. Prerequisite: BIO 131. Morphology, taxonomy, ecology, and the economic importance of freshwater algae. 2 Lec/2 Lab.

525 Aquatic Plants. (3) A. Prerequisite: BIO 131. Collection, identification, and recognition of the vascular aquatic plants: their structural and functional modifications. 1 Lec/4 Lab.

526 Plant Pathology. (3) A. Prerequisite: BIO 328 or instructor approval. Principles of plant pathology; significance and the nature of plant disease resistance, pathogenesis, and control. 2 Lec/2 Lab.

527 Immunology. (3) A. Prerequisites: BIO 320 and CHE 361 or instructor approval. Characteristics of immune reactions at the molecular level, in vivo. Nature and interactions of antigens and antibodies, and allergic phenomena. 2 Lec/3 Lab.

528 Virology. (3) A. Prerequisite: BIO 320 or instructor approval. Fundamentals of classification, structure, and pathogenesis of viruses. Host-virus interactions and their applications to medicine and industry.

529 Infection Control. (3) A. Prerequisite: BIO 320 or instructor approval. This course is designed to provide an in-depth knowledge of hospital infections, laboratory techniques for the control and management of infections, and emphasis on guidelines for determining infections, interpretation of clinical data and presenting health related data, and antibiotic utilization studies.

530 Microbial Physiology and Genetics. (3) A. Prerequisites: BIO 315, 320, and CHE 361, or instructor approval. A study of microbial genetics, metabolism, nutrition, and the effects of chemical and physical environments upon microorganisms in their habitat, with emphasis upon microbes of economic, human, and industrial importance.

531 Cell Biology. (3) A. Prerequisites: BIO 211 and CHE 361 or instructor approval. The molecular basis for cellular structure and function will be presented with emphasis on cellular energetics, the regulation of cellular function and cell specialization.

532 Cell Biology Laboratory. (2) A. Prerequisite/corequisite: BIO 530 or 531 or instructor approval. A laboratory course correlated with BIO 530 or 531. Experiments will be performed on: cellular growth; nutrition, mutagenesis, protein synthesis, receptor affinity and DNA analysis, utilizing techniques of electrophoresis, chromatography, ultracentrifugation, liquid scintillation counting, and cell cultivation. 4 Lab.

536 Dendrology. (3) I. Formerly BIO 336. Prerequisite: BIO 131 or instructor approval. Woody plant taxonomy with emphasis on field identification of trees and shrubs in summer and winter conditions; habitats and distributions; economic importance; dendrochronology; tree diseases; forest regions of North America. Weekly field trips during class period and some all-day or overnight trips (eg. Red River Gorge or Great Smoky Mountains). 1 Lec/4 Lab.

542 Natural History of Invertebrates. (3) A. Prerequisite: BIO 141 or instructor approval. Collection, systematic, distribution, behavior, ecology, and life histories of terrestrial and freshwater invertebrates. 1 Lec/6 Lab.

546 Histology. (4) II. Prerequisite: BIO 211. Microscopic anatomy of normal vertebrate cells, tissues, and organs. 2 Lec/4 Lab.

547 Comparative Vertebrate Embryology. (4) II. Prerequisite: BIO 211. Gametogenesis, fertilization, morphogenesis, and organogenesis of the frog, bird, and mammal. Particular emphasis is placed on mammalian development. 2 Lec/4 Lab.

549 Endocrinology. (3) A. Prerequisite: BIO 348 and CHE 361, or instructor approval. A general introduction to the field of vertebrate endocrinology; homeostatic models of endocrine mediated events; functions of major endocrine glands; neuroendocrine mechanisms, and the integrative aspects of hormonal mediated processes. 1 Lec/4 Lab.

550 Animal Behavior. (4) A. Prerequisite: BIO 211. Advanced study of behavior with emphasis on inherited behavioral patterns in relation to the evolution and ecology of animals. 3 Lec/2 Lab.

553 Mammalogy. (3) A. Prerequisite: BIO 316 or 342 or instructor approval. Classification, natural history, field methods, and distribution of mammals. 2 Lec/3 Lab.

554 Ornithology. (3) A. Prerequisite: BIO 211 or instructor approval. Avian biology with emphasis on field identification of local avifauna, anatomy, physiology, ecology, evolution, migration, economic importance, distribution, and behavioral patterns. Early morning field trips required. 2 Lec/4 Lab.

556 Herpetology. (3) A. Prerequisite: BIO 141 or instructor approval. Natural history of the amphibians and reptiles including taxonomy, general ecology, behavior, distribution, and feeding habits. 2 Lec/3 Lab.

557 Ichthyology. (3) A. Prerequisite: BIO 141. Internal and external morphology, taxonomy, life histories, ecology, and phylogeny of the fishes of North America with emphasis on Appalachian fauna. 6 Lec/Lab.

558 Limnology. (3) A. Prerequisite: BIO 316 or instructor approval. Ecology of lakes and streams with special reference to physical, chemical, and biological factors. Comparative field investigations, methods and instruments of limnological field investigation of lakes and streams. 1 Lec/4 Lab/Dis.

561 Fisheries Biology. (4) A. Prerequisite: BIO 557 or instructor approval. Study of anatomy, life histories, disease, conservation, methods of harvest, economic importance, and ecological interactions of fishes. 2 Lec/1 Lab.

562 Fisheries Management. (4) A. Prerequisite: BIO 557 or instructor approval. Methods of fish catching in the world, making and setting nets, construction of fish ponds, management of lakes, ponds and streams. The culture of game fishes, fisheries statistics, and field experience. 2 Lec/6 Lab.

585 Regional Wildlife Management and Policy. (3) A. Prerequisite: BIO 316 or 382 or instructor approval. Composition, distribution, and history of wildlife resources in biotic regions of North America with emphasis on land use, population trends, and management policies in each region.

586 Migratory and Resident Wildlife Ecology and Management. (4) II. Prerequisites: BIO 382, 553, 554 or concurrent enrollment. Advanced study of management and ecology of migratory birds and resident forest, farm, rangeland and wilderness species, both game and non-game. 2 Lec/4 Lab.

587 Instrumentation and Biological Methodology. (2) I. Prerequisite: BIO 211. Methodological approaches and theory of instrumentation applicable to biological research and biomedical technology will be presented, with emphasis on types of electrophoresis, methods of chromatography, spectrophotometric analysis, radiation measurements, radioimmunoassay techniques, and basic biochemical calculations. 4 Lab.

598 Special Problems. (1-3) 1. Prerequisite: junior or senior standing; students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Independent research in the biological sciences, under the guidance of faculty member, which allows students to design a research problem and make experimental observations and conclusions. May be retaken to a maximum of four hours.

599 Topics in Biological Sciences. (1-6) A. Prerequisites: BIO 211 and instructor approval. Special topics in the biological sciences of current interest to faculty and students will be presented through lecture, discussion, and reports. May be retaken to a maximum of six hours.
GRADUATE COURSES

710 Quantitative Biology. (3) I.
714 Evolution. (3) I.
718 Parasitology. (3) A.
719 Clinical Parasitology. (3) A.
720 Pathogenic Microbiology. (4) II.
721 Plant Ecology. (3) A.
722 Grasses and Grasslands. (3) I.
724 Phycology. (3) A.
725 Aquatic Plants. (3) A.
726 Plant Pathology. (3) A.
727 Immunology. (3) A.
728 Virology. (3) A.
729 Infection Control. (3) A.
730 Microbial Physiology and Genetics. (3) A.
731 Cell Biology. (3) A.
732 Cell Biology Laboratory. (2) A.
736 Dendrology. (3) I.
742 Natural History of Invertebrates. (3) A.
746 Histology. (4) II.
747 Comparative Vertebrate Embryology. (4) II.
749 Endocrinology. (3) A.
750 Animal Behavior. (4) A.
753 Mammalogy. (3) A.
754 Ornithology. (3) A.
756 Herpetology. (3) A.
757 Ichthyology. (3) A.
758 Limnology. (3) A.
761 Fisheries Biology. (4) A.
762 Fisheries Management. (4) A.
785 Regional Wildlife Management and Policy. (3) A.
786 Migratory and Resident Wildlife Ecology and Management. (4) II.
797 Instrumentation and Biological Methodology. (2) I.
798 Special Problems. (1-3) I. II.
799 Topics in Biological Sciences. (1-6) A.
801 Scientific Literature and Writing in Biology. (2) I.
802 Selected Topics in Biological Sciences. (1-3) A.
806 Aquatic Entomology. (3) A.
812 Cytology and Cytogenetics. (4) A.
816 Biogeography. (3) A.
821 Medical Mycology. (3) A.
825 Plant Morphogenesis. (3) A.
839 Cooperative Study: Biology. (3-6) A.
840 Plant Communities. (3) A.
845 Vertebrate Physiological Ecology. (3) A.
846 Population Ecology. (3) A.
847 Advanced Animal Ecology. (3) A.
848 Environmental Analysis of Aquatic Ecosystems. (3) A.
849 Field Methods in Ecology. (3) A.
850 Dynamics of Ecosystems. (2) A.
890 Graduate Seminar. (1) A.
891 Thesis Research. (1-6) A.
891C Continuation of Thesis Research. (1-9) A.

who are not strongly inclined toward the research aspect of the profession. Students acquiring this B.A. in Chemistry are encouraged to use their free electives to develop another area of interest such as a second major or a minor.

The B.A. degree program in Chemistry is particularly well suited for the pre-medical and pre-dental student. The pre-medical and pre-dental advisor can outline a program of study which, with the proper selection of electives, will fulfill all entrance requirements for medical or dental college. In addition, students may elect to complete only three years of this program, including all general education requirements, and use the first year of successful academic work from an accredited school of medicine, osteopathic medicine, dentistry, or podiatry to complete the requirements for this degree. The three-year program should include CHE 111, 112, 325, 361, 362, 366, 367, BIO 141, 211, 315, 320, 348, MAT 109, 121 or 261, PHY 131, 132.

The Bachelor of Science degree program should be pursued by those students desiring to prepare for graduate school or desiring to gain immediate employment in industrial or governmental laboratories. This program requires 43 semester hours of chemistry, and students desiring the B.S. with American Chemical Society certification need to elect six additional hours of advanced chemistry courses. Students may elect to acquire the B.S. degree with an option in Biochemistry. This program requires a year of biochemistry and a minimum of 13 hours of biology in addition to the chemistry core courses, and it will prepare the student for immediate employment or for graduate work in biochemistry.

A student may acquire teacher certification by earning the B.S. with additional courses in education. Thirty-three hours of chemistry are required for this option.

The Bachelor of Science degree in Forensic Science should be pursued by those students interested in a career in a forensic laboratory. The degree requires 30 semester hours of forensic science and 43 semester hours of supporting courses in chemistry, physics, and mathematics. An integral part of the curriculum requirement for this degree is an internship at an affiliated crime laboratory.

Steps have been taken to minimize student exposure to hazardous chemicals by modifying experiments, eliminating certain reagents, and developing safe laboratory procedures. Risks to students have been minimized while still providing valid educational experiences. However, there are still hazards that have not yet been discovered by the scientific community. Student presence in the laboratories is only permitted upon acknowledgment of this fact. Precautions are especially important for students with sensitive medical conditions and women in their first trimester of pregnancy.

Chemistry

MAJOR (BACHELOR OF ARTS)

Major Requirements .................................................. 30 hours
CHE 111, 112, 325, 361, 362, 366, 367, 570, and three hours of upper division chemistry electives.

Supporting Course Requirements ........................... 13 hours
MAT 121 or 261; PHY 131 and 132, or 201 and 202. It is recommended and expected that pre-medical and pre-dental students in this degree program also take BIO 141, 211, 315, 320, 348, 546, 547.

General Education Requirements ......................... 37 hours
Standard General Education program, excluding course categories 14, 15, and 16. PSY 201 or 202 is substituted for HEA 281 for pre-medical and pre-dental students. Refer to
Forensic Science

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ........................................... 54 hours
FOR 411, 412, 451, 495+, eight hours of 400 level FOR electives; CHE 111, 112, 325, 361, 362, 366, 367, 570, three hours upper division CHE electives.

Supporting Course Requirements ......................... 19 hours
MATH 121 or MATH 261; PHY 131 and 132, or PHY 201 and 202, LAS 210, STA 270.

General Education Requirements ......................... 37 hours
Standard General Education program, excluding course categories 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ................................... 9 hours
NMO 100; eight hours of restricted electives.

Free Electives ................................................. 9 hours

Total Curriculum Requirements ............................ 128 hours

MINOR IN CHEMISTRY

A student may minor in chemistry by completing CHE 111, 112, 361, 366, and four hours of upper division chemistry courses chosen from the following courses: CHE 325, 330, 362, 367, 471, 472, 473, 474, 570. Students desiring to acquire a minor in chemistry for teaching certification need a total of 21 semester hours of chemistry. The student should complete CHE 111, 112, 361, 366, and seven additional hours from those courses listed above.

GRADUATE PROGRAMS

The Department of Chemistry offers the degree of Master of Science with a major in Chemistry.

The Master of Arts in Education degree with an option in Chemistry is offered in the College of Education with the cooperation of the Department of Chemistry. The regulations for the degree program can be found in the College of Education section of this Catalog.

Course Descriptions

CHE—Chemistry

090 Basic Skills in Chemistry. (2) Institutional Credit. I. Designed to provide fundamental skills required for chemistry. Emphasis placed on computational skills and basic concepts.

100 Molecules and Modern Society. (3) A. No credit for major or minor in chemistry. Survey course for non-science majors. A study of carbon-containing chemicals in the essential areas of food, clothing, housing, and health. Gen. Ed. 15/16.

101 General Chemistry I. (4) I, II. For students who will take only one year of chemistry. Chemical bonding, structure of matter, chemical equilibrium, and descriptive inorganic chemistry. Credit will not be awarded for both CHE 101 and CHE 105 or CHE 111. 3 Lec/2 Lab. Gen. Ed. 14.

102 General Chemistry II. (5) I, II. Prerequisite: CHE 101. Continuation of CHE 101, emphasis on elementary organic chemistry, biochemistry, and industrial chemistry. Credit will not be awarded for both CHE 102 and CHE 106. 3 Lec/1 Rec/2 Lab.

106 Chemistry for the Health Sciences II. (4) I, II. Prerequisite: CHE 105. Continuation of CHE 105 with emphasis on biochemical compounds. Credit will not be awarded for both CHE 106 and CHE 102 or CHE 330. 3 Lec/2 Lab.

111 Introductory Chemistry I. (4) I, II. Designed to prepare student for further study in chemistry. Nomenclature, structure of matter, stoichiometry, chemical bonding, chemical change. Credit will not be awarded for both CHE 111 and CHE 101 or CHE 105. 3 Lec/2 Lab. Gen. Ed. 14.

112 Introductory Chemistry II. (5) I, II. Prerequisite: CHE 111. Continuation of CHE 111. Coordination compounds, descriptive inorganic chemistry, solution chemistry and analytical chemistry. A grade of "C" or better in CHE 111 is strongly recommended for enrollment in CHE 112. 3 Lec/4 Lab.

314 Chemical Literature. (1) Formerly CHE 514. Prerequisite: CHE 361. Introduction to the use of fundamental abstracts, journals, handbooks, review series, and computer searches.

325 Quantitative Analytical Chemistry. (4) A. Prerequisite: CHE 112. Introductory course in gravimetric, volumetric, colorimetric, and electrometric analysis, including the interpretation of chemical data and calculations. 2 Lec/6 Lab.

330 Introductory Biochemistry. (3) A. Prerequisite: CHE 102 or CHE 361 and 366 or departmental approval. Not open for non-teaching chemistry majors. Compounds and reactions of biological and nutritional importance. Amino acids, proteins, lipids, carbohydrates, vitamins, enzyme systems, digestion, absorption, pathways. Credit will not be awarded for both CHE 330 and CHE 106. 2 Lec/2 Lab.

346 Clinical Chemistry. (6) II. Cross listed as CLS 346. Prerequisites: CHE 325 and 361. An introduction to the theory and laboratory techniques of clinical chemistry with emphasis on applied instrumentation. 3 Lec/6 Lab.

349 Cooperative Study; Chemistry. (1-8) A. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours of employment required for each semester hour of academic credit.

361 Organic Chemistry I. (4) I, II. Prerequisite: CHE 112. Corequisite: CHE 366. Bonding; structure; reaction theory; aliphatic hydrocarbons; functional groups; stereochemistry; aromatic hydrocarbons; spectroscopy; substitution and elimination reactions.

362 Organic Chemistry II. (4) I, II. Prerequisites: CHE 361 and 366. Carboxylic, and organic chemistry. CHE 367. Alcohols and ethers; aldehydes and ketones; carboxylic acids and derivatives; carbamions; amines; phenols; carbohydrates and aminoacids.

366 Organic Chemistry Laboratory I. (1) I, II. Corequisite: CHE 361. Formerly first half of CHE 365. Experimental work to illustrate principles of organic chemistry. Basic techniques and selected syntheses. A withdrawal from CHE 366 must be matched by a withdrawal from CHE 365. 2 Lab.

367 Organic Chemistry Laboratory II. (1) I, II. Formerly second half of CHE 365. Prerequisites: CHE 361 and 366. Corequisite: CHE 362. Experimental work to illustrate principles of organic chemistry. Selected synthetic techniques and advanced techniques such as separation and identification. A withdrawal from CHE 367 must be matched by a withdrawal from CHE 362. 2 Lab.

397 Elementary Glass Working. (1) A. Instruction and practice in the basic techniques used to repair and make simple glass apparatus. 3 Lab.

471 Physical Chemistry. (3) I. Prerequisites: CHE 361, 366, MAT 223 (or concurrent enrollment), and PHY 202. A functional knowledge of a computer language is expected. Thermodynamic properties of physiochemical systems; free energy and equilibria; electrochemical process; electrolytic solutions and activity coefficients.

470 Physical Chemistry for a maximum of three hours. (3) II. Prerequisites: CHE 471 and MAT 223. Kinetic theory of gases and reaction rates; atomic and molecular structure; spectroscopy; introductory statistical thermodynamics.

473 Experimental Physical Chemistry. (1) I. Corequisite or Prerequisite: CHE 471. Experimental work to illustrate principles of physical chemistry. 3 Lab.

474 Experimental Physical Chemistry. (1) II. Prerequisites: CHE 471, 472 and one of CHE 111 or concurrent enrollment and 473. Experimental work to illustrate principles of physical chemistry and to introduce research techniques. 3 Lab.

480 Seminar. (1) I. Prerequisite: CHE 314. Presentation of significant developments from recent literature to members of the chemistry faculty and departmental majors. One weekly meeting. May be retaken to a maximum of two hours.

495 Introduction to Research. (2-5) I, II. Prerequisites: CHE 361, 366, and 471, or instructor approval. Objectives and techniques of chemical research. Problems in all fields of chemistry. May be retaken for additional credit hours. Student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment.

501 Chemtopics: ______. (1-3) A. Prerequisite: instructor approval. Topics to be chosen from current and/or specialized area of chemistry such as environmental chemistry or industrial chemistry, and will vary according to a student need. May be retaken to a maximum of six hours.

511 Principles of Chemistry I. (3) A. Selected concepts in chemistry in depth. Equation of state, thermodynamics and chemical equilibrium. Credit will not be awarded for both CHE 511 and CHE 471 and 472 or their equivalent.

512 Principles of Chemistry II. (3) A. Prerequisite: CHE 511. Continuation of CHE 511. Chemical kinetics, electrochemistry and organic chemistry. Credit will not be awarded for both CHE 512 and CHE 471 and 472 or their equivalent.

515 Analysis and Characterization. (4) II. Prerequisites: CHE 362, 367, 471, 473, 550 or permission of the department. Separation, characterization and inorganic and organic compounds and mixtures. Included will be spectroscopic techniques, preparation of derivatives and methods appropriate for handling of air sensitive compounds and elements. 2 Lec/2 Lab.

525 Instrumental Methods. (4) A. Prerequisites: CHE 325, 362, and 367. Corequisite: CHE 471, 473 or instructor approval. Methods of spectroscopic analysis; electrochemical methods; chromatographic methods. Emphasis placed on broad, functional approach to instrumental techniques. 2 Lec/6 Lab.

530 Biochemistry I. (4) I. Prerequisites: CHE 362, 367, and 471, or instructor approval. Modern concepts of atomic nuclei, atomic structure, and classification of elements. Completions and coordination compounds. Theories of bonding. 2 Lec/4 Lab.

585 Principles of High Polymers. (3) A. Prerequisite: CHE 362 and 367. Preparation and characterization of high polymers; monomers; condensation and additional polymerization; radical, anionic, and cationic initiation. Emphasis on microstructure of the polymer chain and its effect on macromolecular physical properties. 2 Lec/3 Lab.

GRADUATE COURSES

701 Chemtopics: ______. (1-3) A.

711 Principles of Chemistry I. (3) A.

712 Principles of Chemistry II. (3) A.

715 Analysis and Characterization. (4) II.

725 Instrumental Methods. (4) A.

730 Biochemistry I. (4) II.

731 Biochemistry II. (4) A.

734 Introduction to Medicinal Chemistry. (3) A.

750 Inorganic Chemistry. (3) I.

760 Mechanistic Chemistry. (3) A.

770 Physical Chemistry for Biological Sciences. (4) I.

785 Principles of High Polymers. (3) A.
SCI—Science

310 History of Science. (3) I, II. The development of scientific concepts through the ages; contribution of science to civilization; philosophy of science; biographical sketches. Gen. Ed. 15/16.

FOR—Forensic Science

301 Introduction to Criminalistics. (3) A. Introduction to the utilization of physical evidence in law enforcement, an overview of the forensic analysis of firearms, fingerprints, drugs, blood, hair, fibers, paint, glass, and questioned documents.

411 Analytical Methods in Forensic Science I. (3) A. Prerequisites: CHE 325, 391, 362, 366, and 367, or instructor approval. Application of instrumental methods of analysis to the classification of physical evidence. Principles and application of ultra-violet, visible, infrared and fluorescence spectrophotometry; gas chromatography; and then layer chromatography. 2 Lec/3 Lab.

412 Analytical Methods in Forensic Science II. (4) A. Prerequisite: FOR 411 or instructor approval. Continuation of FOR 411. Application of chemical instrumentation to the separation, identification and comparison of drugs, paint, glass, fibers, arson evidence and other materials commonly encountered in the crime laboratory. 2 Lec/6 Lab.

421 Forensic Serology. (3) A. Prerequisite: FOR 411 or instructor approval. Introduction to the laboratory examination of blood, blood stains, and body fluids, techniques in handling dried blood. 2 Lec/3 Lab.

430 Analytical Toxicology. (3) A. Prerequisites: FOR 411 and 412, or instructor approval. Study of the biochemical activity of poisons and drugs; isolation and identification of barbiturates, amphetamines, tranquilizers and other drugs of forensic interest. 2 Lec/3 Lab.

440 Forensic Photography. (2) A. Prerequisite: PHY 202 or PHY 132, or instructor approval. Fundamental aspects of photography and camera optics; film development; black and white color photography; evidence, accident, and crime scene photography. Not open to students who have credit from another college photography course. 1 Lec/3 Lab.

451 Forensic Microscopic Analysis. (3) A. Introduction to microscopic analysis; identification and characterization of materials, such as glass, hair, fiber, paint, and soil. 2 Lec/3 Lab.

460 Selected Topics in Forensic Science. (1-3) A. Prerequisite: instructor approval. Topics will be chosen from areas of current interest and may be retaken for credit when new topics are offered. Topics and credit will be announced prior to each offering.

485 Expert Witness Testimony. (2) A. Topics include ethical issues relating to expert witness; qualification of scientific expert; elements of courtroom testimony relating to expert witness. Videotaping of testifying in mock courtroom situations also included.

480 Seminar in Forensic Science. (2) A. Prerequisite: FOR 411. Presentation of significant developments in the various areas of forensic science. 1 Lec/1 Rec.

490 Introduction to Research. (1-3) A. Prerequisites: FOR 411, 412, and instructor approval. Instruction to laboratory research in one of the areas of forensic science. May be retaken to a maximum of six hours, but only three hours may be counted toward the major requirements. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

495 Internship. (3, 6, 12) A. Prerequisites: FOR 411, 412, and instructor approval. Final year independent laboratory work and study at an affiliated crime laboratory. May be retaken to a maximum of 12 hours, but only six hours may be counted toward the major requirements. Four to 16 weeks.

DEPARTMENT OF GEOLOGY

G. Kuhnhen, Chair; Dean, Ewers, Farrar, Heifrich, Kepherle, Leung.

The Department of Geology offers curricula leading to the Bachelor of Arts degree in Geology and the Bachelor of Science degrees in Geology and in Earth Science. The B.A. degree program is designed for students seeking a liberal arts education. The B.S. degree program is directed toward students pursuing a profession in geology. Students seeking a teaching career are directed toward the B.S. degree in Earth Science which is offered in cooperation with the College of Education.

Geology

MAJOR (BACHELOR OF ARTS)

Major Requirements ................................................................. 30 hours
GLY 108, 109, 309, 409, 409, 410, 411, 412, and three hours of approved geology courses.

Supporting Course Requirements .................................. 19-20 hours
BIO 141 or 100 or NAT 101; CHE 101 or 111; MAT 108; NAT 171 or PHY 101; and two semesters of foreign language approved by Department.

General Education Requirements ........................................... 34 hours
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ......................................................... 9 hours
NMO 100: eight hours of restricted electives.

Free Electives .......................................................... 35-36 hours

Total Curriculum Requirements ............................................. 128 hours

Geology

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ................................................................. 37-39 hours
GLY 309, 311, 409, 410, 411, 412, 451, 550, and two additional approved geology courses.

Supporting Course Requirements .................................. 32 hours
BIO 141, CHE 111, 112, GEO 355, MAT 121, 122, PHY 131, 132. Some statistics and computer science are recommended.

General Education Requirements ........................................... 34 hours
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this
MINOR IN GEOLOGY
A student may minor in geology by completing a minimum of 18 (21 for teaching certification) semester hours as follows: GLY 108, 109, and a minimum of 12 hours of approved geology courses. GLY 104, 107, 302, 349, 390, 500, or 501 may not be used to satisfy minor requirements.

Earth Science (Teaching)
MAJOR (BACHELOR OF SCIENCE)
Major Requirements ........................................... 30 hours
Minor Requirements ........................................... 18-21 hours
A 21-hour teaching minor is required (geography is recommended).
Supporting Course Requirements .......................... 11 hours
BIO 141; CHE 101 or 111; MAT 107 or a higher level course.
Teacher Education Requirements ........................ 28 hours
EDF 102, 202, 317, EPY 318, ESE 451, 498, 499.
General Education Requirements ......................... 34 hours
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.
University Requirements ................................... 9 hours
NMO 100; eight hours of restricted electives.
Free Electives ............................................. 0-3 hours
Total Curriculum Requirements .......................... 133 hours

MINOR IN EARTH SCIENCE (TEACHING)
A student may minor in earth science by completing a minimum of 21 semester hours as follows: GLY 104, 108, 109, 208, 390, GEO 215, and AST 135. An earth science minor is not recommended for non-teaching majors.

GRADUATE PROGRAMS
The Department of Geology offers the Master of Science degree in Geology. The M.S. degree program is designed to provide students with a broad background in geology, plus a more in-depth knowledge of at least one area of geology through research. Areas of geology recommended for thesis research include clay mineralogy, geochemistry, geomorphology, hydrogeology, paleontology, petrology, sedimentology, stratigraphy, structural geology, and tectonics. Emphasis is placed on solution of geologic problems through a combination of field studies and laboratory applications.
The Master of Arts in Education degree with an option in Earth Science is offered in the College of Education with the cooperation of the Department of Geology. The Department of Geology cooperates with the other natural science departments and the College of Education in offering the Master of Arts in Education with an option in General Science. Regulations for these degrees can be found in the College of Education section of the Graduate Catalog.

Course Descriptions
Two courses in Marine Geology are offered (in cooperation with Gulf Coast Research Laboratory).

GLY—Geology
104 Introduction to Oceanography. (3) I, II. The ocean basins, water circulation, energy budgets, ocean floor sediments, and marine life environments. Interactions with the atmosphere and lithosphere will be considered. Gen. Ed. 15/16.

107 Principles of Geology. (3) I, II. Non-laboratory physical science. Course content is same as GLY 108 except that laboratory is replaced by discussion section covering selected general interest topics. Credit will not be awarded for both GLY 107 and GLY 108. Gen. Ed. 15/16.


207 Engineering Geology. (3) A. A prerequisite: pre-engineering or construction major or departmental approval. Physical geology applied to engineering problems. Emphasizing soil water, sediment and consolidation, groundwater flow, slope stability, bearing capacity, and laboratory and field techniques. 2 Lec/2 Lab.

208 Minerals, Rocks, Fossils. (3) A. Origin, distribution, and identification of common minerals, rocks, and fossils. 2 Lec/2 Lab.

210 Geologic History. (3) A. Introduction to geology and the earth’s history, its climate, and its surface features. Emphasis on the integration of paleontology and geology in the study of the earth’s history and evolution. 2 Lec/2 Lab.

211 Optical Mineralogy. (3) I. A prerequisite: GLY 309. Optical properties of non-opaque minerals relative to crystal symmetry and chemical composition as a basis for identification using the petrographic microscope. Investigation of rock-forming minerals using oil-immersion and thin section techniques. 2 Lec/2 Lab.

309 Introduction to Mineralogy. (5) I. Formerly GLY 209. A prerequisite: CHE 111 or departmental approval. Classification, genesis, occurrence, and use of minerals with introduction to crystallography. Emphasis is placed on the physical mineralogy, mineral identification, and mineral genesis. 3 Lec/4 Lab.

311 Optical Mineralogy. (3) I. A prerequisite: GLY 309. Optical properties of non-opaque minerals relative to crystal symmetry and chemical composition as a basis for identification using the petrographic microscope. Investigation of rock-forming minerals using oil-immersion and thin section techniques. 2 Lec/2 Lab.

349 Cooperative Study: Geology. (1-8) A. A prerequisite: departmental approval. Work in place of related to academic studies. One to eight credit hours per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours of employment required for each semester hour of academic credit. May not be used to satisfy major or minor requirements.

351 Field Geology. (3) A. A prerequisite: junior standing or departmental approval. Field techniques, description, and measurement of stratigraphic sections, and fundamental geologic mapping. 1 Lec/4 Field (Saturdays).


398 Independent Studies in Geology. (1-6) I, II. A prerequisite: departmental approval. Topic determined by student and instructor. Student must have an independent study proposal form approved by facility supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours provided topic is different each time.

408 Process Geomorphology. (3) A. A prerequisite: GLY 108 or departmental approval. An in-depth study of the geologic processes involved in landscape development.

409 Petrography and Petrology. (4) I. Formerly GLY 310. A prerequisite: GLY 311. Nature and origin of rocks, igneous, metamorphic and sedimentary, based on investigation of hand specimens and thin sec-
tions using the petrographic microscope. Emphasis on genetically meaningful description and classification of crystalline rocks. 3 Lec/2 Lab.

410 Structural Geology. (3) I. Prerequisites: GLY 310 and MAT 108, or departmental approval. Architecture of the earth. Emphasis on the geometry of deformed rocks and solution of structural problems. 2 Lec/2 Lab.

411 Invertebrate Paleontology. (4) I. Prerequisite: BIO 141 or departmental approval. Morphology, distribution in time and space, evolution, and paleoecology of fossil invertebrates. 2 Lec/4 Lab.

412 Stratigraphy and Sedimentation. (3) II. Prerequisite: GLY 309. Principles of stratigraphy and sedimentation with references to North American rock sequences. 2 Lec/2 Lab.

414 Geology of Soils. (3) A. Prerequisite: CHE 111 or departmental approval. Chemical and physical characteristics of soils and soil morphology. Special attention is given to ion exchange, texture, water, and permeability.

451 Geologic Field Studies. (6) SUMMER ONLY. Prerequisite: GLY 410 or departmental approval. Field-training program of comprehensive scope in the northern and central Rocky Mountains (6 weeks). Description of stratigraphic sections; geologic mapping (detailed and reconnaissance) of sedimentary, metamorphic, and igneous terrains; interpretation of complex structure; regional geology with stress on tectonics; evidence of recent geologic activity and national park visits.

500 Earth Science Problems for Teachers:_____. (1-3) A. Prerequisite: departmental approval. Designed to fit needs of individuals majoring in education (general science) who need special instruction in the earth sciences. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of nine hours provided topic is different each time.

501 Physical Geology for Teachers. (3) A. Fundamental composition and structure of the earth, minerals, rocks, landform origins, and modifying agents. Designed for teachers with emphasis on laboratory techniques.


529 Economic Geology. (3) A. Prerequisites: GLY 409 and 410. Formation of mineral deposits and their distribution within the earth's crust. 2 Lec/2 Lab.

530 Geophysics. (3) A. Prerequisites: PHY 131 and 132, or departmental approval. Fundamentals of gravity and isostasy, seismology, geomagnetism, geothermics, and geochronology. Introductory gravimetric, magnetic, electric, and seismic prospecting techniques.

535 Hydrogeology. (3) A. Prerequisites: GLY 409 and 410, or departmental approval. Origin, occurrence, movement, utilization, and conservation of groundwater. Qualitative and quantitative presentation of geological, physical, and geochemical aspects of groundwater hydrology. 2 Lec/2 Lab.

550 Historical Geology. (3) A. Prerequisite: senior standing or departmental approval. Synthesis of major processes and events of physical and biological history of the earth using principles and conclusions learned in major program, through basin analysis. 2 Lec/2 Lab.

555 Geology of North America. (3) A. Prerequisite: GLY 410 or departmental approval. Regional geology of the North American continent in space and time, an integrated perspective. Emphasis on methodology of tectonic maps, significance of key stratigraphic sequences, dependency of sedimentation and igneous activity on tectonics, orogenesis and its consequences, and plate tectonic interpretations.

580 Selected Topics:_____. (1-3) A. Prerequisite: departmental approval. Designed to explore specific aspects of geology. May be retaken to a maximum of six hours provided topic is different each time.

598 Geoscience Instrumentation. (1-3) A. Prerequisite: departmental approval. Selected topics of geoscience instrumentation. Topic designated each time course is offered. May be retaken to a maximum of six hours provided topic is different each time.

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**GRADUATE COURSES**

- 700 Earth Science Problems for Teachers:_____. (1-3) A.
- 701 Physical Geology for Teachers. (3) A.
- 713 X-ray Diffraction and Spectroscopy. (3) A.
- 729 Economic Geology. (3) A.
- 730 Geophysics. (3) A.
- 735 Hydrogeology. (3) A.
- 750 Historical Geology. (3) A.
- 755 Geology of North America. (3) A.
- 780 Selected Topics:_____. (1-3) A.
- 798 Geoscience Instrumentation. (1-3) A.
- 801 Historical Geology for Teachers. (3) A.
- 802 Scientific Communication in Geology. (2) I.
- 805 Advanced Structural Geology. (3) A.
- 811 Paleaeoecology of Invertebrates. (3) A.
- 812 Clay Mineralogy. (3) A.
- 821 Sedimentology. (3) A.
- 822 Igneous and Metamorphic Petrology. (4) I.
- 823 Sedimentary Petrology. (3) II.
- 824 Carbonate Petrology. (3) A.
- 826 Siliciclastic Petrology. (3) A.
- 831 Coal Geology. (3) A.
- 832 Petroleum Geology. (3) A.
- 834 Exploration Techniques:_____. (1-3) A.
- 840 Micropaleontology. (3) A.
- 860 Geochemistry. (3) I.
- 880 Seminar:_____. (1-3) A.
- 898 Special Problems in Geology. (1-6) I, II.
- 899 Thesis. (3-6) I, II, Summer.
- 899C Thesis. (3-9) I, II, Summer.

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**DEPARTMENT OF MATHEMATICS, STATISTICS, AND COMPUTER SCIENCE**

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The Department of Mathematics, Statistics, and Computer Science offers Bachelor of Science degree programs in Computer Science, Mathematics, and Statistics; the Master of Science degree is offered in the Mathematical Sciences. In cooperation with the College of Education, the Department provides options in Mathematics and in Computer Science/Mathematics, each leading to teacher certification with the Bachelor of Science degree. The Master of Arts in Education degree, with an option in Mathematics, is offered in the College of Education with the cooperation of the Department of Mathematics, Statistics, and Computer Science.

In addition to its programs for undergraduate majors and graduate students, the Department of Mathematics, Statistics, and Computer Science offers a minor in Computer Science, Computer Science (Teaching), Mathematics, Mathematics (Teaching), Mathematical Sciences, and Applied Statistics. Other courses are offered in computer science, mathematics, and statistics for students majoring in a wide range of fields of study.
PROGRAM OBJECTIVES
COMPUTER SCIENCE
Upon completion of this program the graduate will:
1. Have a working knowledge of some common programming languages;
2. Have experience with software design and implementation techniques both as an individual and as a member of a design team;
3. Be well qualified for employment as a computer scientist in industry or in government; and
4. Be prepared to enter a graduate program in Computer Science.

Computer Science
MAJOR (BACHELOR OF SCIENCE)
Major Requirements .................................................. 39 hours
CSC 180, 181, 200, 209, 309, 310, 320, 350, 400, 425, plus one of CSC 440, 450, 460, 490; plus six hours of CSC courses numbered 300 or above (except for CSC 305, 349, 530, 561 or 567).
Supporting Course Requirements ................................. 15 hours
MAT 121 or 121H, 122 or 122H, 214, 223 or 223H, STA 370 or 500 or 520.
General Education Requirements ................................ 46 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
University Requirements ............................................ 9 hours
NMO 100; eight hours of restricted electives.
Free Electives .......................................................... 19 hours
Total Curriculum Requirements ................................... 128 hours

PROGRAM OBJECTIVES
COMPUTER SCIENCE/MATHEMATICS (TEACHING)
Upon completion of this program the student will:
1. Understand the principles of pre-college computer science and mathematics;
2. Be able to explain the basic techniques of computer science and mathematics and their applications to social, economic, and scientific problems;
3. Understand the importance and power of computer science and mathematics in our rapidly changing technological age; and
4. Be prepared to pursue a graduate program in this or a related area.

Computer Science/ Mathematics (Teaching)
MAJOR (BACHELOR OF SCIENCE)
Major Requirements .................................................. 39 hours
CSC 180, 181, 200, 305, 309, 310, 567, MAT 121 or 121H, 122 or 122H, 214, 223 or 223H, 301, 334.
Supporting Course Requirement ................................... 3 hours
STA 270.
Teacher Education Requirements ............................... 28 hours
EDF 102, 202, 317, EPY 318, ESE 450, 498, 499.

General Education Requirements ............................... 43 hours
Standard General Education program, excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.
University Requirements ............................................ 9 hours
NMO 100; eight hours of restricted electives.
Free Electives .......................................................... 6 hours
Total Curriculum Requirements ................................... 128 hours

PROGRAM OBJECTIVES
MATHEMATICS
Upon successful completion of this program, the graduate will:
1. Be able to apply mathematical techniques to social, economic, and scientific problems;
2. Understand the importance and power of mathematics in our rapidly changing technological age;
3. Be prepared to pursue a graduate program in this or a related area; and
4. Be well qualified for employment in any position requiring undergraduate training in mathematics.

Mathematics
MAJOR (BACHELOR OF SCIENCE)
Major Requirements .................................................. 39 hours
MAT 121 or 121H, 122 or 122H, 214, 223 or 223H, 225 or 225H, 301, 308, 353, 414; either both 311 and 415 or one of 311 and 415, and one of 506, 540, 550, 560; six hours of mathematical science courses (CSC, MAT, STA) numbered 300 or above (except for 349, CSC 305, 530, 561, 567, MAT 503, 514, STA 500).
Supporting Course Requirements ................................. 5 hours
CSC 180, any three hour STA course numbered 270 or above (except 349).
General Education Requirements ............................... 46 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
University Requirements ............................................ 9 hours
NMO 100; eight hours of restricted electives.
Free Electives .......................................................... 28 hours
Total Curriculum Requirements ................................... 128 hours

PROGRAM OBJECTIVES
MATHEMATICS (TEACHING)
Upon successful completion of this program, the graduate will have a teacher's certification in mathematics and will:
1. Understand the principles of pre-college mathematics;
2. Be able to explain mathematical techniques and applications to social, economic, and scientific problems;
3. Understand the importance and power of mathematics in our rapidly changing technological age; and
4. Be prepared to pursue a graduate program in this or some related area.
Mathematics (Teaching)  
MAJOR (BACHELOR OF SCIENCE)

Major Requirements ........................................... 33 hours  
MAT 121 or 121H, 122 or 122H, 214, 223 or 223H, 301, 308, 334, 414, and nine hours selected from MAT 225 or MAT 225H and the mathematical science courses (CSC, MAT, STA) numbered 300 or above (except for 349, CSC 305, MAT 503).

Supporting Course Requirements .............................. 6 hours  
Three hours of an approved programming language; STA 270.

Teacher Education Requirements ............................ 28 hours  
EDF 102, 202, 317, EPY 318, ESE 450, 498, 499.

General Education Requirements ........................... 43 hours  
Standard General Education program, excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements .................................... 9 hours  
NMO 100; eight hours of restricted electives.

Free Electives .................................................. 9 hours

Total Curriculum Requirements .............................. 128 hours

PROGRAM OBJECTIVES

STATISTICS

Upon successful completion of this program, the graduate will:
1. Understand the applications and use of statistics in everyday life;
2. Be able to apply a wide variety of statistical techniques;
3. Be able to provide statistical consultation and advice to people in other disciplines;
4. Be familiar with computer packages which perform statistical analysis;
5. Be well qualified for employment in industry, government, and the actuarial profession; and
6. Be prepared to pursue graduate work in statistics.

Statistics

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ........................................... 42 hours  
STA 270 and 271, or STA 500 and 575; 370, 375, 501, 520, 521, MAT 121 or 121H, 122 or 122H, 214, 223 or 223H, 225 or 225H, and six hours of mathematical science electives numbered 300 or above (except for 349, CSC 305).

Supporting Course Requirement ............................ 3 hours  
Three hours of an approved programming language.

General Education Requirements ........................... 46 hours  
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements .................................... 9 hours  
NMO 100; eight hours of restricted electives.

Free Electives .................................................. 28 hours

Total Curriculum Requirements .............................. 128 hours

MINOR IN COMPUTER SCIENCE

A student may minor in Computer Science by completing a minimum of 18 hours of CSC courses (except for CSC 104, 305, 349), which must include CSC 180, 181, 200, 309 and 310, plus three hours of CSC courses at the 200 level or above.

MINOR IN COMPUTER SCIENCE (TEACHING)

A student may minor in Computer Science (teaching) by completing a minimum of 21 hours of courses in the mathematical sciences including CSC 180, 181, 200, 305, three hours of another approved programming language, STA 270, and one of MAT 121, 121H, 211, or 261.

MINOR IN THE MATHEMATICAL SCIENCES

A student may minor in Mathematical Sciences by completing a minimum of six hours in each of Computer Science, Mathematics, and Statistics for a total of 18 hours as follows: Computer Science: CSC 180 or 300; any other CSC course (except for CSC 104, 305, or 349); Mathematics: MAT 261 and 262, or MAT 121 and 122, or MAT 121H and 122H; and Statistics: two of STA 270, 271, 370, 500, or 501.

MINOR IN MATHEMATICS

A student may minor in Mathematics by completing 18 hours including MAT 121 or 121H, 122 or 122H, 223 or 223H, and nine hours selected from MAT 214, 225 or 225H, CSC 300 or 320, STA 370 or 520, or any MAT course numbered 300 or above (except for MAT 349, 503).

MINOR IN MATHEMATICS (TEACHING)

A student may minor in Mathematics (teaching) by completing a total of 21 hours of courses in the mathematical sciences including MAT 121 or 121H, 122 or 122H, 214, 223 or 223H, 301, and 334.

MINOR IN APPLIED STATISTICS

A student may minor in Applied Statistics by completing 18 hours of mathematical science courses including 12 hours of STA courses and six hours selected from any additional STA courses (except for 349), any CSC courses (except for 305 or 349), or any calculus courses.

GRADUATE PROGRAMS

The Master of Science degree is offered by the Department of Mathematics, Statistics, and Computer Science to prepare the student for positions in government or industry, for teaching at the college or pre-college levels, or for advanced graduate study. The student may elect courses from Computer Science, Pure or Applied Mathematics, and Statistics. A thesis is optional. Further information and degree requirements can be found in the Graduate Catalog.

The Master of Arts in Education with an option in Mathematics is offered in the College of Education with the cooperation of the Department of Mathematics, Statistics, and Computer Science. Further information can be found in the Graduate Catalog.

REPEAT POLICY

Students may enroll for a course taught by the Department of Mathematics, Statistics, and Computer Science only twice during the fall or spring semesters. Subsequent enrollments must be during spring intersession or summer school. Exceptions are by petition to the department only.
Course Descriptions

CSC—Computer Science

102 Computer Literacy with Basic. (3) I, II. Non-technical survey of computer history and hardware; implications of use and misuse of computers; programming in the computer language BASIC: input/output, decision, looping, arrays. Credit will not be awarded for both CSC 102 and CSC 104 or CSC 171. 3 Lec (1 Lab when taught in large lecture sections.)

104 Computer Literacy with Software Applications. (3) I, II. A non-technical survey of computer history, hardware, and software. Implications of the use and misuse of computers. The effect of computers on society. Software applications such as word processors, spread sheets, databases, and graphics. Credit will not be awarded for both CSC 104 and CSC 102. 3 Lec (1 Lab when taught in large lecture sections.) Ed. 03 or 04.

171 Introduction to Computer Programming—BASIC. (1) I, II. Programming in the computer language BASIC: input/output, decision, looping, arrays. Credit will not be awarded for both CSC 171 and CSC 102. Gen. Ed. 03 or 04.

172 Advanced BASIC. (2) I, II. Prerequisite: CSC 171 or CSC 102 or departmental approval. Sequential and direct access file handling, character string operators, user defined functions and subroutines, other topics. Gen. Ed. 03 or 04.

174 Introduction to Computer Programming—FORTRAN. (3) I, II. Introductory programming in FORTRAN, input/output, decision, loops, arrays, subroutines, functions, files. Gen. Ed. 03 or 04.

178 Programming in _______. (1-3) A. Programming in selected languages, with appropriate applications. May be retaken to a maximum of six hours, provided the languages are different.

180 Introduction to Computer Programming—Pascal. (3) I, II. Introduction to problem solving with computers using the structured language Pascal. Basic concepts include data types, control structures, arrays, pointers, procedures, records and extended input/output features. Credit will not be awarded for both CSC 180 and CSC 182. Gen. Ed. 03 or 04.

181 Advanced Computer Programming—Pascal. (3) I, II. Prerequisite: CSC 180. Modular programming, searching and sorting algorithms, user-defined data types, records, pointers, linked lists, stacks, trees, and files. Credit will not be awarded for both CSC 181 and CSC 182.

182 Algorithms and Pascal Programming. (6) I, II. Prerequisite: departmental approval. A combination of CSC 180 and 181. Programming in Pascal and algorithmic design. Credit will not be awarded for both CSC 182 and CSC 180 or 181.

200 Introduction to Computer Organization. (3) I, II. Prerequisite: CSC 181 or departmental approval. Computer structure, assembly language, instruction execution, addressing, data representation, macro definition and generation, segmentation, linkage, utility programs, programming techniques.

209 The Language C and the UNIX Operating System. (3) I, II. Prerequisite: CSC 181 or departmental approval. Introduction to the UNIX operating system language C. Basic concepts including simple and structured data types, control constructs, functions and files.

300 Introduction to Numerical Methods. (3) A. Prerequisites: MAT 122 and an approved programming language. Error analysis, nonlinear equations, interpolation, numerical differentiation and integration, ordinary differential equations, direct and interactive methods of solving linear systems, approximation.

305 Computers and Society. (3) A. Cross listed as POL 305 and SOC 305. The influence of computers on social and political processes. Software related to socio-political issues. Credit will not count toward major/minor requirements except for CSC teaching programs.

309 Introduction to File Processing. (3) I, II. Formerly CSC 230. Prerequisite: CSC 181. File processing and file structures. Sequential and direct access file handling; searching and sorting techniques, and the analysis of algorithms.

310 Data Structures. (3) I, II. Prerequisites: CSC 180, 181, 200, 309; and with at least a "C" average in all prerequisite courses. Linear lists, strings, arrays, orthogonal lists, representation of trees and graphs. Storage systems and structures, tables, and searching techniques. Sorting techniques for linked lists. Formal specification of data structures.

320 Introduction to Discrete Structures. (3) I, II. Prerequisites: CSC 209 and MAT 214, or departmental approval. Set algebra, map-pings, relations, algebraic structures, elementary graph theory (directed and undirected), network models, applications to computer science.

349 Cooperative Study: Computer Science. (1-8) I, II; (1-6) Summer. Prerequisite: departmental approval. Work in placements related to computer studies. Credit does not apply to major or minor requirements. Total hours: eight, associate: sixteen, baccalaureate. A minimum of 80 hours of employment is required for each semester hour of academic credit.


370 Computer Architecture. (3) A. Prerequisite: CSC 200. Information representation, Boolean algebra and combinatorial logic, memory and storage, elementary machines, addressing schemes, stack and parallel computers, overlap and pipeline processing, microprogramming, performance evaluation.

390 Advanced Programming Techniques with Ads. (3) A. Prerequisite: CSC 310 or departmental approval. An introduction to the Ada programming language with emphasis on the special features of Ada which allow for data abstraction, exception handling, and tasking.

400 Operating Systems. (3) I, II. Prerequisites: CSC 209 and 310. Overall structure of multiprogramming systems, details of addressing techniques, memory-management, file system design and management, traffic control, interprocess communication, system module design, interfaces.

425 Compiler Construction. (3) I, II. Prerequisites: CSC 310 and 350. Compilation of simple expressions and statements. Compiler organization, compile and run-time symbol tables, lexical scan, object code generation, error diagnostics, object code optimization techniques, and design.

440 Introduction to Software Engineering. (3) A. Prerequisite or Corequisite: CSC 400 or 425. Introduction to the practical applications of scientific knowledge in the design and construction of software systems and to the documentation required to develop, operate, and maintain such systems.


460 Computer Network Architecture. (3) A. Prerequisite: CSC 400. Introduction to the subject of computer networks and layered protocols, architecture of data communication systems, point-to-point networks, local networks, end-to-end protocols and internetworking.

495 Independent Work. (3) I, II. Prerequisite: departmental approval. Directed study/research on a problem or area chosen in consultation with the instructor. Final paper required. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours.

507 Seminar in Computer Science: ___. (3) A. Prerequisite: departmental approval. Topics vary with offering. May be retaken with advisor approval, provided the topics are different.

530 Concepts of Programming Systems. (3) A. Prerequisite: departmental approval. The top-down design of algorithms, structured programming, control, files and data, specifications. These topics are applied to the construction of programs, files, and data. Programs will be written in a high level language.

545 Theory of Database Systems. (3) A. Prerequisite: CSC 310 or the equivalent. Models and principles of information systems. Database languages. The logical and physical design, and the implementation and use of database management systems.

551 Programming for Microcomputers. (3) A. Prerequisite: CSC 310 and competence in BASIC programming. Programming techniques to utilize the special features of microcomputers using both BASIC and assembly language.

567 Problem Solving Concepts for Computer Science Teachers. (3) I. Prerequisites: CSC 310 and a major or minor in Computer Science Teaching. Seminar on formulating, analyzing, and solving problems appropriate for high school computing classes. Emphasis on
techniques and algorithms appropriate for implementation on microcomputer systems.

GRADUATE COURSES

707 Seminar in Computer Science: ... (3) A.
730 Concepts of Programming Systems. (3) A.
745 Theory of Database Systems. (3) A.
761 Programming for Microcomputers. (3) A.
767 Problem Solving Concepts for Computer Science Teachers. (3) A.
831 Data Structures and Algorithms I. (3) A.
833 Data Structures and Algorithms II. (3) A.
834 Software Engineering and Project Management. (3) A.
839 Cooperative Study: Computer Science. (1-3) A.
880 Seminar in: ... (3) A.

MAT—Mathematics

090 Basic Mathematics. (3) Institutional Credit. I, II. Rational numbers, ratio and proportion, percentages, linear equations, exponents, polynomials and the Cartesian plane. May be taken by referral only. 3 Rec (1 Lab when taught in a large lecture sections.)
093 Basic Descriptive Geometry. (1) Institutional Credit. I, II. Prerequisite: MAT 090 or equivalent. Classification of geometric figures, measurement of segments and angles, triangles and their properties, similarity, the Pythagorean Theorem, area, perimeter, volume, rectangular coordinate systems. May be taken by referral only. 1 Rec (1 Lab when taught in a large lecture sections.)
099 Applied Finite Mathematics. (3) I, II. Prerequisite: MAT 095 or equivalent. The application of mathematical models to real-world problems including problems in the social and behavioral sciences. The mathematical material introduced will include the simplex method of solution of the linear programming problem, the theory of Markov chains, topics from graph theory, and topics from game theory. 3 Rec (1 Lab when taught in a large lecture sections.) Gen. Ed. 03 or 04.
107 College Algebra. (3) I, II. Prerequisites: two years of high school algebra (algebra I and II) and a satisfactory score on a departmental placement test, or a grade of at least "C" in MAT 095. Polynomial, exponential and logarithmic equations, functions and their graphs, roots of polynomial functions, sequences and series, mathematical induction. Credit will not be awarded for both MAT 107 and 109. 3 Rec (1 Lab when taught in a large lecture sections.) Gen. Ed. 03 or 04.
108 Trigonometry. (3) I, II. Prerequisite or Corequisite: MAT 107. Radians and degrees, properties of trigonometric functions, multiple angle expressions, triangle solutions, inverse functions, complex numbers. Credit will not be awarded for both MAT 108 and MAT 109.
109 Algebra and Trigonometry. (3) I, II. Real numbers, functions and graphs, trigonometric functions, polynomial equations, inequalities, inverse trigonometric functions, complex numbers. Credit will not be awarded for both MAT 109 and MAT 109.
121 Calculus and Analytic Geometry I. (3) I, II. Prerequisite: MAT 109 or equivalent. Limits, continuity, derivatives and applications. Credit will not be awarded for both MAT 121 and MAT 121H or 211 or 211 or 261. Gen. Ed. 03 or 04.
121H Honors Calculus I. (3) I, II. Prerequisites: a score of 26 on the ACT mathematics test and the equivalent of MAT 109; or departmental approval. Analytic geometry, limits, continuity, derivatives and applications. This material is treated in greater depth, and with more rigor than in MAT 121. Challenging problems and special projects will be assigned. Credit will not be awarded for both MAT 121H and MAT 121 or 124 or 211 or 261. Gen. Ed. 03 or 04.
122 Calculus and Analytic Geometry II. (3) I, II. Prerequisite: MAT 121 with a minimum grade of "C". Antiderivatives, applications and techniques of integration, transcendental functions, indeterminate forms. Credit will not be awarded for both MAT 122 and MAT 122H or 224 or 262. Gen. Ed. 03 or 04.
122H Honors Calculus II. (3) II. Prerequisite: MAT 121H with a minimum grade of "C" or departmental approval. Antiderivatives, applications and techniques of integration, transcendental functions, indeterminate forms. The material is treated in greater depth and with more rigor than in MAT 122. Challenging problems and special projects will be assigned. Credit will not be awarded for both MAT 122H and MAT 122 or 224 or 262. Gen. Ed. 03 or 04.
124 Differential and Integral Calculus. (4) A. Prerequisite: MAT 109 or equivalent. Limits and continuity, the derivative and applications, antiderivatives. Credit will not be awarded for both MAT 124 and MAT 121 or 121H or 211 or 261. Gen. Ed. 03 or 04.
201 Mathematical Concepts for Middle and Elementary School Teachers. (3) I, II. Prerequisites: admission to a certification program in elementary, middle school, or special education; and an acceptable score on a placement test. Concepts stressed over manipulation. Sets and functions, whole numbers, integers, rational numbers, numerical, elementary number theory, introduction to the use of microcomputers.
202 Mathematical Concepts for Middle and Elementary School Teachers II. (3) I, II. Prerequisites: MAT 201 with a minimum grade of "C"; and an acceptable score on a geometry placement test. Concepts stressed over manipulation. Decimals and real numbers, geometry, measurement, metric system, probability and basic statistics, and the use of microcomputers.
203 Geometry for Middle and Elementary School Teachers. (3) I, II. Prerequisite: MAT 121 or 121H or 261. Real and complex vector spaces, linear transformations, matrix theory, with applications, through the introduction of eigenvalues and eigenvectors, determinants, inner product spaces, microcomputers. Credit will not be awarded for both MAT 211 and MAT 121 or 121H or 124 or 261. Gen. Ed. 03 or 04.
211 Linear Algebra and Calculus with Business Applications. (3) A. Prerequisite: MAT 121 or 121H or 261 and CSci 108. Gaussian elimination and Jordan reduction, systems of linear equations, derivatives, marginal cost, revenue and profit, applied optimization problems. Credit will not be awarded for both MAT 211 and MAT 121 or 121H or 124 or 261. Gen. Ed. 03 or 04.
214 Linear Algebra and Matrices. (3) I, II. Prerequisite: MAT 121 or 121H or 261. Real and complex vector spaces, linear transformations, matrix theory, with applications, through the introduction of eigenvalues and eigenvectors, determinants, inner product spaces, microcomputers. Credit will not be awarded for both MAT 223 and MAT 223H or 224.
223 Calculus and Analytic Geometry III. (3) I, II. Prerequisite: MAT 122 with a minimum grade of "C". Further techniques of integration, improper integrals, conic sections, vectors and solid analytic geometry, infinite series. Credit will not be awarded for both MAT 223 and MAT 223H or 224.
223H Honors Calculus III. (3) I, II. Prerequisite: MAT 122H with a minimum grade of "C" or departmental approval. Further techniques of integration, improper integrals, conic sections, vectors and solid analytic geometry, infinite series. The material is treated in greater depth and with more rigor than in MAT 223. Challenging problems and special projects will be assigned. Credit will not be awarded for both MAT 223H and MAT 223H or 224.
224 Topics in Calculus. (5) A. Prerequisite: MAT 124 or equivalent with a minimum grade of "C". Transcendental functions, integration techniques, indeterminate forms, improper integrals, infinite series, conic sections, vectors and solid analytic geometry. Credit will not be awarded for both MAT 224 and MAT 122 or 122H or 223 or 223H or 262.
225 Calculus IV. (3) I, II. Formerly MAT 324. Prerequisite: MAT 223 or 224 with a minimum grade of "C". Functions of more than one variable, partial differentiation and multiple integration, topics in vector calculus, and applications. Credit will not be awarded for both MAT 225 and MAT 225H or 225H.
225H Honors Calculus IV. (3) II. Formerly MAT 324H. Prerequisite: MAT 225H with a minimum grade of "C" or departmental approval. Functions of more than one variable, partial differentiation and multiple integration, topics in vector calculus. The material is treated in greater depth and with more rigor than in MAT 225. Challenging problems and special projects will be assigned. Credit will not be awarded for both MAT 225H and MAT 225.
261 Fundamentals of Calculus with Applications I. (3) A. Prerequisite: MAT 107 or equivalent. Introduction to calculus with applications in the sciences. Credit will not be awarded for both MAT 261 and MAT 121 or 121H or 124 or 211. Gen. Ed. 03 or 04.
262 Fundamentals of Calculus with Applications II. (3) A. Prerequisite: MAT 261 or 211. Integral calculus with applications, introduction
to differential equations, functions of several variables. Credit will not be awarded for both MAT 252 and MAT 122 or 122H or 224.

301 Transition to Advanced Mathematics. (3) A. Prerequisites: MAT 214 and 223: a grade point average of at least 2.5 in MAT 121, 122, 214, 223. Logic, proof techniques, set theory, relations, functions, cardinality. Introduction to advanced mathematics.

308 Modern Algebra I. (3) I, II. Prerequisite: MAT 301 with a minimum grade of "C". Sets, mappings, relations, operations, rings, homomorphisms, integral domains, properties of integers, fields, rational, real, and complex number fields, complex number field.

311 Modern Algebra II. (3) A. Prerequisite: MAT 308 with a minimum grade of "C". Topics from the theory of groups including direct products, the Sylow Theorems, normal series, and group extensions.

334 Modern College Geometry I. (3) A. Prerequisite: MAT 301 with a minimum grade of "C". Euclid's parallel postulate, axiom systems, finite geometries. Designed to provide high school mathematics teachers with an appropriate reformulation and strengthening of background, ideas and rigor.

349 Cooperative Study: Mathematics. (1-8) I, II; (1-6) Summer. Prerequisite: departmental approval. Work in placements related to academic studies. Credit does not apply to major or minor requirements. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours of employment are required for each semester hour of academic credit.

353 Differential Equations. (3) A. Prerequisite: MAT 223 or 224. Differential equations of first order, applications, singular solutions, linear equations with constant coefficients, miscellaneous methods for equations of higher order, integration in series, total differential equations.

414 Introduction to Analysis. (3) I, II. Prerequisite: MAT 301 with a minimum grade of "C". Real number system, sets and functions, limits, continuity, uniform continuity. Taylor's theorem, laws of the mean, the Riemann integral, allied topics.

415 Analysis. (3) A. Prerequisite: MAT 414 with a minimum grade of "C". The Riemann integral, the Lebesgue integral, metric spaces, differentiation, sequences and series of functions, allied topics.

480 Seminar in Analysis. (1-3) A. Prerequisite: departmental approval. Advanced topics in undergraduate mathematics. Offered as needed. May be taken to a maximum of nine hours, provided the topics are different.

495 Independent Work. (3) A. Prerequisite: departmental approval. Directed study/research on a problem or area chosen in consultation with instructor. Final paper required. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be taken to maximum of six hours.

503 Number Theory in Elementary and Middle School Education. (3) A. Prerequisite: admission to a certification program in elementary, special, or middle school education. Application of standard number theory topics to elementary and middle school mathematics. Credit will not be awarded for both MAT 503 and MAT 506.

505 Foundations of Mathematics. (3) A. Prerequisite: MAT 308. The nature of mathematical thought; logical systems; axiomatic concepts and methods; consideration of the work of Hilbert, Peano, Whitehead, Russell, and others.

506 Number Theory. (3) A. Prerequisite: MAT 214. Fundamental properties of integers, linear Diophantine equations, linear and quadratic congruences, famous problems of number theory. Credit will not be awarded for both MAT 506 and MAT 503.

507 Seminar in Mathematics: ______. (3) A. Prerequisite: departmental approval. Topics vary with offering. May be taken with advisor approval. Credit towards degree requirements will depend on course content.

509 Topics in Applied Abstract Algebra: ______. (3) A. Prerequisite: MAT 306 or CSC 320 or departmental approval. Applications of topics in abstract algebra. May be taken to a maximum of nine hours, provided the topics are different.

514 Analysis for the Secondary Teacher. (3) A. Basic concepts in analysis with applications to secondary mathematics. Real numbers, set theory, sequences and series, continuity, differentiation and integration.

535 Modern College Geometry II. (3) A. Prerequisite: MAT 334 or equivalent. The major influence of the axioms of parallelism or geometry, development from axioms and models, Euclidean geometry, absolute geometry, hyperbolic geometry, consistency of postulates.

540 Introductory Applied Mathematics. (3) A. Prerequisite: MAT 353. Techniques and applications of: vector analysis, matrix theory, linear and autonomous systems of differential equations, special functions, operational methods, Sturm-Koivit theory, Fourier series.

595 Thesis in ______. (1-6) A. Prerequisite: MAT 414 or departmental approval. Analytic functions and the Cauchy-Riemann equations. Linear fractional transformations and mappings of the elementary functions. Complex integration. Power series, residues and contour mappings.

555 Graph Theory. (3) A. Prerequisite: MAT 308 or CSC 320. Introduction to the theory and applications of graph theory. Topics will include trees, planarity, connectivity, flows, matching and coloring.

560 Point Set Topology. (3) A. Prerequisite: MAT 301 with a minimum grade of "C". An introduction to topology with emphasis on Euclidean and other metric spaces. Mappings, connectivity, compactness, formation of new spaces, relationship to analysis.

**GRADUATE COURSES**

703 Number Theory in Elementary and Middle School Education. (3) A.

705 Foundations of Mathematics. (3) A.

706 Number Theory. (3) A.

707 Seminar In Mathematics: ______. (3) A.

709 Topics in Applied Abstract Algebra: ______. (3) A.

714 Analysis for the Secondary Teacher. (3) A.

725 Modern College Geometry II. (3) A.

740 Introductory Applied Mathematics. (3) A.

750 Complex Analysis. (3) A.

755 Graph Theory. (3) A.

760 Point Set Topology. (3) A.

800 Linear Algebra. (3) A.

804 Concepts in Geometry for Elementary and Middle School Education. (3) A.

809 Modern Algebra. (3) A.

815 Real Analysis. (3) A.

839 Cooperative Study: Mathematics. (1-3) A.

856 Advanced Applied Mathematics. (3) A.

870 Seminar in Secondary Mathematics: ______. (3) A.

871 Numerical Analysis. (3) A.

872 Advanced Numerical Analysis. (3) A.

880 Seminar in: ______. (3) A.

890 Independent Study in: ______. (3) A.

899 Thesis in ______. (1-6) A.

**STA—Statistics**

208 Descriptive Statistics. (1) I, II. Measures of central tendency and dispersion, introduction to correlation and regression. Credit will not be awarded for both STA 208 and COR 400 or ECO 220 or EHY 842 or HEA 450 or PAF 400 or PSY 291 or STA 270. Gen. Ed. 03 or 04.

209 Elementary Probability. (1) I, II. An introduction to elementary concepts of probability. Credit will not be awarded for both STA 209 and COR 400 or ECO 220 or EHY 842 or HEA 450 or PAF 400 or PSY 291 or STA 270. Gen. Ed. 03 or 04.

210 Elementary Inference. (2) I, II. Prerequisite: STA 209. One and two sample estimation and hypothesis testing. A field project is required. Credit will not be awarded for both STA 210 and COR 400 or ECO 220 or EHY 842 or HEA 450 or PAF 400 or PSY 291 or STA 270. Gen. Ed. 03 or 04.

270 Applied Statistics I. (3) I, II. Prerequisite: MAT 107. Measures of central tendency and dispersion, frequency distributions, probability, sampling distributions, point and interval estimates, hypothesis testing. Credit will not be awarded for both STA 270 and COR 400 or ECO 220 or EHY 842 or HEA 450 or PAF 400 or PSY 291 or STA 208, STA 209, STA 210. Gen. Ed. 03 or 04.

271 Applied Statistics II. (3) I, II. Prerequisite: STA 270 or 210. Emphasis on hypothesis testing, nonparametric methods, elementary experimental design, correlation-regression, computerized statistical packages. Credit will not be awarded for both STA 271 and ECO 320 or ECO 854 or EHY 843 or PSY 301 or STA 500.
NAT—Natural Science

101 Biology: The Science of Life. (3) I, II. This biological science course emphasizes human relationships with the natural world by studying concepts in ecology, inheritance, evolution, and the functioning of living systems. Credit will not be awarded for both NAT 101 and BIO 100. 2 Lec/2 Lab. Gen. Ed. 13.

171 The Physical Universe. (3) I, II. An interdisciplinary course on natural philosophy, emphasizing science as a creative activity. It traces the evolution of our conceptions of science, the universe, matter, and energy. Credit will not be awarded for both NAT 171 and PHY 101. 2 Lec/2 Lab. Gen. Ed. 14.

172 The Physical Environment. (3) I, II. This course explores aspects of the earth sciences (meteorology, oceanography, geology and chemistry), emphasizing common concepts. Everyday experiences are used to illustrate physical principles. Credit will not be awarded for both NAT 172 and NAT 173. 2 Lec/2 Lab. Gen. Ed. 14.

173 The Physical Environment. (3) I, II. This course is identical to NAT 172 except that a discussion/lecture session replaces the laboratory. Credit will not be awarded for both NAT 173 and NAT 172. Gen. Ed. 15/16.

262 Ecology and Human Affairs. (3) A. This course is identical to NAT 263 except that a two-hour laboratory replaces one of the lecture sections. Credit will not be awarded for both NAT 262 and NAT 263. 2 Lec/2 Lab. Gen. Ed. 15/16.

263 Ecology and Human Affairs. (3) II. A biological science course that develops the basic principles of ecology, and uses them as a basis for consideration of agriculture, land use, endangered species, and other environmental issues. Credit will not be awarded for both NAT 263 and NAT 262. Gen. Ed. 15/16.

280 Science and Society. (3) I, II. By investigating incidences in which scientific knowledge interacts with society, this course attempts to understand the involvement of science with religion, government, technology, human population, energy, the environment, and the future. Gen. Ed. 15/16.

300 Science as a Human Endeavor. (3) I, II. Using examples from biological and physical science this course investigates the scientific community, its structure, methods, and philosophy. Emphasis is on scientific revolutions that have affected perceptions of space, time, and cause. Gen. Ed. 15/16.

310 Topics in the Natural Sciences. (1-3) A. Selected interdisciplinary topics and topics of current interest in the natural sciences. May be retaken to a maximum of three hours provided topic is different each time. Gen. Ed. 15/16.
Physics (Teaching)

MAJOR (BACHELOR OF SCIENCE)

Major Requirements .................................................. 30 hours
AST 135; PHY 201 and 202, or 131 and 132; PHY 300, 301, 506; PHY 306 or 308; and a minimum of six hours selected from AST 330, PHY 221, 306, 307, 308, 502, 503, 558 or IET 353.

Minor Requirements .................................................. 12-15 hours
The teaching minor must be in another natural science or mathematics.

Supporting Course Requirements .................................. 18 hours
CHE 111, 112, MAT 121 +, 122, and three hours of an approved computer language.

Teacher Education Requirements .................................. 28 hours
EDF 102, 202, 317, EPY 318, ESE 451, 498, 499.

General Education Requirements .................................. 37 hours
Standard General Education program, excluding course categories 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ............................................. 9 hours
NMO 100; eight hours of restricted electives.

Total Curriculum Requirements .................................... 134-137 hours
+MAT 109 may be required before admission to MAT 121.

MINOR IN PHYSICS

A student with a major in another field may complete a minor in physics by taking PHY 201, 202, and a minimum of eight additional hours of physics numbered 300 and above to a total of 18 hours. PHY 131 may be substituted for PHY 201, and PHY 132 may be substituted for PHY 202.

A student with a teaching major in a natural science or mathematics may take a Minor in Physics (Teaching). The required courses are AST 135; PHY 201 and 202, or 131 and 132; 300, 306 or 308, plus three additional hours from the teaching major except AST 330.

GRADUATE PROGRAMS

The Department of Physics and Astronomy offers advanced degree programs. The Master of Science in Physics is designed primarily to prepare graduate students for professional careers in industry, community college teaching, and or further graduate studies in physics. The Master of Arts in Education degree with an option in Physics is offered in the College of Education with the cooperation of the Department of Physics and Astronomy.

The Master of Arts in Education degree with an option in General Science is offered in the College of Education with the cooperation of the Department of Physics and Astronomy and the other natural science departments. The regulations for these degrees can be found in the College of Education section of the Graduate Catalog.

Course Descriptions

PHY—Physics


131 College Physics I. (3) I, II. Prerequisites: one unit each of high school algebra and plane geometry. Fundamental ideas of mechanics, heat, and sound. 4 Lec/2 Lab. Gen. Ed. 14.
Prerequisite: PHY 131. Fundamental ideas of electricity, magnetism, optics, and modern physics. 4 Lec/2 Lab.

201 University Physics I. (5) I. II. Corequisite: MAT 121 or 124. Composition and resolution of forces, laws of equilibrium, Newton's laws of motion, work and energy, momentum, simple harmonic motion, hydrodynamics, heat phenomena. 4 Lec/3 Lab. Gen. Ed. 1B, 5A.

202 University Physics II. (5) I. II. Corequisites: PHY 201 and MAT 121 or 124. Electrostatics, electric potential, dielectrics, A.C. and D.C. circuits, magnetic fields, Faraday's Law, sound, wave motion, geometrical and physical optics. 4 Lec/3 Lab.

221 Statics. (3) A. Prerequisite: PHY 201. Corequisite: MAT 122 or 224. Study of force systems on bodies at rest, descriptions of force systems, distributed and internal forces, applications of hydrostatics, frames, and trusses, beams.

300 Modern Physics I. (3) I. Prerequisites: PHY 132 or 202 and MAT 109. Physics of the 20th century. Topics include special relativitv, quantum effects, wave theory, Bohr theory, structure of the hydrogen atom.

301 Modern Physics II. (3) II. Prerequisite: PHY 300. A continuation of PHY 300. Topics include atomic and molecular structure, nuclear structure, nuclear reactions, elementary particles.

306 Classical Physics Laboratory. (2) I. Prerequisites: PHY 132 or 202 and a knowledge of BASIC programming. Experiments in mechanics, optics, and electricity. Techniques of interfacing scientific equipment to microcomputers. 4 Lab.

307 Electronics. (4) A. Prerequisite: PHY 132 or 202. Theory of solid state devices, power supplies, transducers, operational amplifiers, solid state switches, flip-flops, counters, digital devices, logic families. 3 Lec/3 Lab.

308 Atomic and Nuclear Laboratory. (2) II. Prerequisite: a computer language. Corequisite: PHY 301. Various experiments demonstrate types and effects of radiation, properties of atoms and nuclei, and experimental, computer, and analytical techniques. 4 Lab.


349 Cooperative Study: Physics. (1-8) A. Work in placements related to academic studies. A minimum of 80 hours employment is required for each semester hour of academic credit. Total hours: eight, associate; sixteen, baccalaureate. Hours earned in PHY 349 will not apply toward a physics major or minor.

350 Physical Optics. (3) A. Prerequisite: PHY 202. Corequisite: MAT 122 or 224. Study of light, thermodynamic systems, ideal gases. First and second law of thermodynamics, Carnot cycle, Kelvin temperature scale, entropy.

503 Thermodynamics. (3) A. Prerequisite: PHY 202. Corequisite: MAT 122 or 224. Study of light, thermodynamic systems, ideal gases. First and second law of thermodynamics, Carnot cycle, Kelvin temperature scale, entropy.

506 Physics for High School Teachers. (3) A. Prerequisites: one year of college physics and instructor approval. Topics from general and modern physics to prepare teachers to teach high school physics and give classroom demonstrations. 2 Lec/3 Lab.

510 Special Problems in Physics: ______. (1-6) A. Prerequisites: PHY 202 and instructor approval. Special laboratory experiments, development of new equipment, or solution of special mathematical problems related to physics. May be retaken to a maximum of six hours provided subject matter is different each time. Student must have the independent study form approved by faculty supervisor and department chair prior to enrollment.

520 Electricity and Magnetism. (4) A. Prerequisites: PHY 202 and MAT 225. Electrostatics in vacuum and dielectrics, solutions by Laplace's and Poisson's equations, magnetic fields, induced EMF's, magnetic materials, and Maxwell's equations.

558 Classical Mechanics I. (3) A. Prerequisite: PHY 202. Corequisite: MAT 353. Applications of calculus to the principles of classical mechanics. Topics include vectors, rectilinear motion in one dimension, motion in three dimensions, non-inertial reference systems, central forces, and celestial mechanics.

559 Classical Mechanics II. (3) A. Prerequisite: PHY 558. Continuation of PHY 558. Topics include many-bodied systems, rigid bodies, Lagrangian and Hamiltonian mechanics, coupled harmonic oscillators, wave motion.

570 Quantum Mechanics. (3) A. Prerequisite: PHY 558. Basic principles of wave mechanics, solutions of Schrodinger wave equation for simple systems, interpretation of solutions and application to atomic and molecular problems.

GRADUATE COURSES

702 Physical Optics. (3) A.
703 Thermodynamics (3) A.
706 Physics for High School Teachers. (3) A.
710 Special Problems in Physics: ______. (1-6) A.
720 Electricity and Magnetism. (4) A.
758 Classical Mechanics I. (3) A.
759 Classical Mechanics II. (3) A.
770 Quantum Mechanics. (3) A.
801 Advanced Mathematics. (3) A.
802 Advanced Mathematical Physics. (3) A.
808 Selected Topics in Physics for Teachers. (3) A.
808 Selected Topics in Physical Science for Secondary Teachers. (1-6) A.
809 Inquiry Physics for Teachers. (3) A.
810 Physics for Teachers of Physical Science. (3) A.
811 Demonstration and Experiments for Physical Science Teachers. (3) A.
814 Modern Instrumentation. (3) A.
815 Advanced Nuclear Physics. (3) A.
820 Semiconductor Physics. (3) A.
825 Electromagnetic Waves. (3) A.
839 Cooperative Study: Physics. (1-6) A.
840 Electronics II. (4) A.
850 Advanced Classical Mechanics. (3) A.
871 Intermediate Quantum Mechanics. (3) A.
880 Special Topics in Physics. (1-3) A.
881 Selected Topics. (1-3) A.
882 Statistical Mechanics. (3) A.
890 Thesis Research. (1-6) A.
890C Thesis Continuation. (1-9) A.

AST—Astronomy

130 Introductory Astronomy. (3) I. II. Elementary survey course; study of moon, sun, and eclipses; solar system; milky way and far stars. Non-laboratory. Credit will not be awarded for both AST 130 and AST 135. Gen. Ed. 15\&16.

135 Introductory Astronomy. (3) I. II. This course is the same as AST 130 except that a laboratory is offered in place of certain topics. Credit will not be awarded for both AST 135 and AST 130. 2 Lec/2 Lab. Gen. Ed. 14.

330 Theories of Modern Astronomy. (3) A. Investigation into modern controversies concerning origins of earth, sun, planets, galaxies, and universe. Considerations also of theories concerning the nature of pulsars, quasars, black holes. Non-laboratory. Gen. Ed. 15\&16.

AST—Astronomy

130 Introductory Astronomy. (3) I. II. Elementary survey course; study of moon, sun, and eclipses; solar system; milky way and far stars. Non-laboratory. Credit will not be awarded for both AST 130 and AST 135. Gen. Ed. 15\&16.

135 Introductory Astronomy. (3) I. II. This course is the same as AST 130 except that a laboratory is offered in place of certain topics. Credit will not be awarded for both AST 135 and AST 130. 2 Lec/2 Lab. Gen. Ed. 14.

330 Theories of Modern Astronomy. (3) A. Investigation into modern controversies concerning origins of earth, sun, planets, galaxies, and universe. Considerations also of theories concerning the nature of pulsars, quasars, black holes. Non-laboratory. Gen. Ed. 15\&16.
The social and behavioral sciences are concerned with mankind’s social, political, economic and psychological development. Their focus is on the various peoples of the world and their histories, cultures, physical environments and problems. The knowledge provided by the social and behavioral sciences, along with that provided by the humanities and natural sciences, comprises an essential part of the education of an individual. A broad, liberal education allows one to be more comfortable in any cultural setting, more aware of one’s potential and opportunities, and more capable of choosing values and goals in life.

Students enrolled in one of the college’s programs receive a general education which broadens their knowledge and gives them a perspective which extends across individual academic disciplines. The College also offers students the opportunity to study a particular discipline in depth. The combination of general and specialized education provides a valuable background for careers in many areas such as business, industry, government service, and education, as well as further study in graduate and professional schools.

In its role of providing for a general education, the objectives of the college are to help students:

—Develop the ability to analyze information critically, to improve their ability to read and listen with comprehension, and to express themselves clearly in speech and writing.
—Acquire an understanding of humankind’s past and present achievements, and develop the competence and confidence to deal with the challenges of the future.
—Understand themselves and their society so that they can intelligently shape as well as adapt to conditions in our progressively industrializing, interdependent world.
—Understand their role in society and develop a sense of ethical value and individual responsibility.

In its role of providing specialized education the objectives of the College are to:

—Provide students with an opportunity for study in depth in one of the major disciplines within the College.
—Assist students in choosing, and preparing for, socially useful and personally satisfying vocations that will permit them to use their particular interests and abilities.
—Help students realize the importance of continuing their education after completing a formal degree program.
—The College consists of six academic departments: Anthropology, Sociology and Social Work; Geography and Planning; Government; History; Psychology; and Social Science.

The College of Social and Behavioral Sciences offers instruction for professional and pre-professional fields and cooperates with the other colleges in providing upper level courses and programs. It further cooperates with the Graduate School in offering graduate courses and programs.

DEGREES OFFERED

The following undergraduate degrees are offered: Associate of Arts, Bachelor of Arts, Bachelor of Science, and Bachelor of Social Work. The Bachelor of Individualized Studies degree is also offered in cooperation with the College of Arts and the College of Natural and Mathematical Sciences. For a description of the Bachelor of Individualized Studies program, see the College of Arts and Humanities section of the Catalog.

The Associate of Arts is conferred upon students who major in paralegal studies. The Bachelor of Arts is conferred upon students who major in anthropology, economics, geography (with options in planning and travel and tourism), history, paralegal science, political science, and sociology. The Bachelor of Science is conferred upon students who major in psychology. The Bachelor of Social Work is conferred upon students who major in social work.

DEGREE REQUIREMENTS

General University degree requirements are listed on page 31 in Part Three of this Catalog. Specific requirements for degree programs are found in the appropriate departmental sections of this Catalog. Requirements for Paralegal programs are listed under the Department of Government. The Academic Orientation course (CSO 100) is common to all programs in the College. Students are responsible for planning their programs and registering for the proper courses so that they will have satisfied all requirements at the time they expect to graduate.

In addition to the general University requirements, specific requirements for the Bachelor of Arts, Bachelor of Science, and Bachelor of Social Work degrees in the College of Social and Behavioral Sciences are as follows:

1. An overall GPA of 2.0 is required in all courses taken in the major field and in those specified as major requirements.
2. Students majoring in social work and in the paralegal programs must attain a minimum grade of "C" in all courses specified for the major and in supporting courses.
3. Each student must select a major, which consists of a minimum of 30 hours in a specific field of study. The minimum number of hours for a non-teaching minor is 18; the minimum number of hours for a teaching minor is 21.
4. Students desiring teaching certification in a social or behavioral science, except in history, are required to have a teaching minor (21 hours). Students obtaining a teaching certification in history may take related courses in lieu of a teaching minor.

5. Students who transfer from another college or university must earn a minimum of 12 hours in their major at Eastern. The paralegal programs require a minimum of 15 hours earned at Eastern. Where a minor is required, students must earn a minimum of three hours in the minor at Eastern.

APPLICATION FOR PLANNED CURRICULUM
Students are responsible for planning their programs and registering for the proper courses so that they will have satisfied all requirements at the time they expect to graduate. After completing 60 semester hours of course work, it is the student’s responsibility to apply for a planned curriculum which will specify the remaining graduation requirements.

The planned curriculum is prepared in consultation with a faculty advisor from the department of the student’s major. Application is made to the Dean of the College. Teaching majors must have been admitted to the Teacher Education Program prior to the preparation of a planned curriculum. Any changes in the planned curriculum must be approved by the advisor, Department Chair, the Dean of the College, and in programs involving teacher certification, the Dean of the College of Education.

APPLICATION FOR GRADUATION
Students are required to file an application for graduation in the Dean’s office. Applications should be filed by April 30 in order to graduate in December, or by October 31 in order to graduate in May or August.

GRADUATE PROGRAMS
In cooperation with the Graduate School, the College offers the Master of Arts, Master of Science, and Master of Public Administration degrees. The Master of Arts is offered in history and political science. The Master of Science is offered in psychology (clinical and school). The Master of Public Administration degree is offered in the Department of Government with options in community development and community health administration.

The College of Education offers the Master of Arts in Education with options in geography, history, political science, psychology, and sociology. The departments in the College of Social and Behavioral Sciences cooperate in offering these programs which are described in the Graduate Catalog.

GRADUATE COURSE CREDIT
All 700 level courses have undergraduate counterparts bearing the same last two digits. The 700 level courses are offered only for graduate level credit and require additional appropriate experiences for all students enrolled. Students who have previously taken the undergraduate counterpart of these courses at the 500 level will not be permitted to enroll for graduate level credit in the 700 level counterpart.

SOCIAL AND BEHAVIORAL SCIENCES COURSES
CSO—Orientation
100 Academic Orientation. (1) I. An introduction to the programs of the University and the College. Discussion of how to study, what to consider in choosing a profession, and what career opportunities exist for graduates from the College’s programs. Additional topics include University regulations, publications, and support areas. Open to all students during their first two semesters of enrollment at EKU; beyond that open to students with fewer than 30 semester hours.

CSB—Interdisciplinary
315 Topics in Social Science General Education. (3) A. An experimental general education course. Content will vary with each offering. May be retaken to a maximum of six hours provided subject matter differs each time. Gen. Ed. 12.
499 Independent Work. (2-6) I. II. Independent research and/or field work required for the program of Bachelor of Individualized Studies. Prerequisite: GPA of 2.5 up to last semester of program in Bachelor of Individualized Studies degree. May be retaken to a maximum of six hours provided subject matter differs each time.
500 Interdisciplinary Seminar. (3) A. In-depth consideration of problems which involve several disciplines. A different problem will be considered each time course is offered. Representatives of various disciplines will participate in instruction. May be retaken to a maximum of six hours, provided subject matter differs each time.

GRADUATE COURSE
700 Interdisciplinary Seminar. (3) A.

Economics
MAJOR (BACHELOR OF ARTS)
In cooperation with the Department of Economics, the College of Social and Behavioral Sciences offers the Bachelor of Arts in Economics. Course offerings are listed in the Department of Economics, under the College of Business section of this Catalog. The degree requirements for the B.A. in Economics are listed below.

Major Requirements ............................................30 hours
ECO 230, 231, 320, 324, 330, 350, 351, and nine additional hours of upper division courses in Economics.

Supporting Course Requirements .........................21-39 hours
MAT 211 or equivalent. The other requirements will be determined by consultation between the Chair of the Department of Economics and the Dean of the College of Social and Behavioral Sciences.

General Education Requirements .................................46 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ........................................9 hours
CSO 100; eight hours of restricted electives.
Free Electives ..................................................42-22 hours
Total Curriculum Requirements ................................128 hours
Economics (Teaching)
MAJOR (BACHELOR OF ARTS)

In cooperation with the Department of Economics, the College of Social and Behavioral Sciences offers the Bachelor of Arts in Economics (Teaching). This major must be taken in conjunction with an approved major or minor.

The supporting major or minor must be approved by the Dean of the College of Social and Behavioral Sciences and the Chair of the Department of Economics and the Department of Curriculum and Instruction.

Major Requirements ...........................................30 hours
ECO 230, 231, 320, 324, 330, 350, 351, and nine additional hours of upper division courses in Economics.

Supporting Course Requirements .......................24-33 hours
MAT 211 or equivalent and a major or minor approved by the Dean of the College of Social and Behavioral Sciences and the Chair of the Department of Economics.

Teacher Education Requirements ...................28 hours
EDF 102, 202, 317, EPI 318, ESE 449, 498, 499.

General Education Requirements ......................46 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ...................................9 hours
CSO 100; eight hours of restricted electives.

Total Curriculum Requirements .......................137-146 hours

Anthropology
MAJOR (BACHELOR OF ARTS)

Major Requirements .......................................33 hours
ANT 120, 201, 210, 211, and 15 hours of upper division anthropology courses, including nine hours selected from three of the following four categories:
- ANT 345, 470 or equivalent;
- ANT 330, 331, or 435;
- ANT 440;
- ANT 365 or 380;
and six hours in anthropology to be selected in consultation with the advisor.

General Education Requirements ......................46 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ...................................9 hours
CSO 100; eight hours of restricted electives.

Free Electives ..................................................40 hours

Total Curriculum Requirements .......................128 hours

MINOR IN ANTHROPOLOGY

A student may minor in anthropology by taking a minimum of 18 hours as follows: ANT 120, 201; ANT 210 or 211, and nine hours of upper division anthropology electives.

Sociology
MAJOR (BACHELOR OF ARTS)

Major Requirements .......................................30 hours
SOC 131, 232, 395, 460, 561, and 15 hours of sociology electives, 12 of which must be upper division hours.
General Education Requirements .................................................. 46 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ......................................................... 9 hours
CSO 100; eight hours of restricted electives.

Free Electives ................................................................. 43 hours

Total Curriculum Requirements .............................................. 128 hours

Sociology (Teaching)
MAJOR (BACHELOR OF ARTS)

Major Requirements .......................................................... 30 hours
SOC 131, 232, 395, 460, 561, and 15 hours of sociology electives, 12 of which must be upper division hours.

Minor ................................................................. 21 hours
A 21 hour teaching minor in art, English, French, history, mathematics or Spanish is required unless a student has a second major in one of these programs.

Teacher Education Requirements ................................ ........ 28 hours
EDF 102, 202, 371, EPY 318, ESE 449, 498, and 499.

General Education Requirements ............................................. 46 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ......................................................... 9 hours
CSO 100; eight hours of restricted electives.

Total Curriculum Requirements .............................................. 128 hours*  
*Careful selection of minor courses is required to stay within the 128 hour total.

MINOR IN SOCIAL WELFARE
A student may minor in social welfare by completing the following courses: SWK 210, 310, 311, 410, and six hours of upper division social work or sociology electives.

GRADUATE PROGRAMS
The Department of Anthropology, Sociology, and Social Work offers graduate level courses in support of the Community Development Option of the Master of Public Administration Program offered in the Department of Government. The Master of Arts in Education degree with an option in Sociology is offered in the College of Education with the cooperation of the Department of Anthropology, Sociology, and Social Work. Regulations for this degree may be found in the College of Education section of the Graduate Catalog.

Course Descriptions
ANT—Anthropology
201 Introduction to Physical Anthropology. (3) I, II. General survey of the principal areas of physical anthropology emphasizing contemporary human biological variation and including an appraisal of humankind’s place within the biological realm and the role of genetics, osteology, and primatology in the study of humans. 2 Lec2 Lab. Gen. Ed. 15 or 16.
205 Human Evolution. (3) A. An introduction to primate and human evolution, emphasizing the fossil evidence of humankind’s evolution and the development and evolution of human material culture. 2 Lec2 Lab. Gen. Ed. 15 or 16.
210 Non-Industrial Societies Around the World. (3) I, II. Descriptive survey of non-industrial societies from various parts of the world, emphasizing the levels of societal development. Gen. Ed. 10.
211 Industrial Societies Around the World. (3) I, II. Various aspects of cultures in the Industrial Age, presented in evolutionary and global perspective and including the industrialization of the underdeveloped world, and the implications of automation, cyberetics, and other technology. Gen. Ed. 11.
330 American Indians. (3) A. Prerequisite: ANT 120 or 201 or 210 or 211 or instructor approval. Descriptive and comparative study of representative native American cultures, emphasizing Indians of North
America, and including culture area concept and culture change since European contact.

331 Appalachia: A Cultural Perspective. (3) A. Cross listed as SWK 331. Prerequisite: SOC 131 and three hours of ANT, SOC, or SWK. Sociocultural perspective of Appalachia. Relationship of physical characteristics; beliefs; occupation; personality; kinship patterns to health. Cross-cultural professional practice skills and errors of intercultural helping.

340 Folk and Peasant Societies. (3) A. Prerequisite: ANT 120 or 210 or 211 or instructor approval. Emphasizes the culturally stable nature of these societies and their extensiveness. Consideration of problems resulting from contacts with non-peasant societies.

345 Selected Topics in Archeology: (3) A. Prerequisite: ANT 120 or 210 or 211 or instructor approval. Sample topics: systems of chronology, historic archeological sites. May be retaken to a maximum of nine hours, provided the subject matter differs each time.

365 Selected Topics in Physical Anthropology: ______. (3) A. Prerequisite: ANT 201 or instructor approval. Sample topics: monkeys, apes, and humans; paleopathology; human osteology. May be retaken to a maximum of nine hours, provided the subject matter differs each time.

375 Selected Topics: ______. (3) A. Prerequisite: ANT 120 or 210 or 211 or instructor approval. Sample topics: Legal and Political Anthropology, Population Genetics, Cultural Ecology. May be taken to a maximum of nine hours credit, provided the subject matter differs each time.

380 Forensic Anthropology. (3) A. Prerequisite: ANT 201 or instructor approval. Forensic osteology and dentistry; including demographic methods, pathology, and practical methods of collecting human physical evidence; and the role of the expert witness. 2 Lec/2 Lab. Gen. Ed. 15 or 16.

390 Sex Roles in Traditional and Contemporary Society. (3) A. Cross listed as SOC 399. Prerequisite: ANT 120 or 210 or 211 or SOC 131 or instructor approval. Consideration of the roles women and men have in traditional societies and their changing roles in industrial societies.

415 Anthropological Gerontology. (3) A. A comparative and historical study of the physical and sociocultural aspects of human aging from a societal and global perspective.

417 Archeology and Ethnology of Mankind. (3) A. Prerequisite: ANT 120 or 210 or 211 or instructor approval. Cultures in selected areas of the world. May be retaken to a maximum of six hours credit, provided the subject matter differs each time.

440 Language and Culture. (3) A. Prerequisite: instructor approval. Analysis of the role of language in human experience; mutual effect of language on culture, and culture on language.

470 Field Methods: Archeology. (3) A. Prerequisite: 12 hours in anthropology or instructor approval. Introduction to both excavating techniques and laboratory classifications and the analysis of evidence. Attention given to accurate reporting and analysis.

590 Tutorial in Anthropology. (1-3) A. Prerequisite: student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment. May be retaken to a maximum of six hours credit, provided the subject matter differs each time. Directed study in anthropology

GRADUATE COURSE

790 Tutorial in Anthropology. (1-3) A.

SOC—Sociology

131 Introductory Sociology. (3) I, II. Basic principles and concepts of sociology, including culture, personality, social structure, group, social processes, and social change. Gen. Ed. 09.

232 Introductory Sociological Analysis. (3) I, II. Prerequisite: SOC 121. Analysis of sociological concepts in terms of concept formation, measurement, interpretation, and presentation in graphic and tabular form.

235 Social Problems. (3) I, II. Analysis of selected social problems such as crime, mental illness, homosexuality, divorce, population, and poverty. The analysis includes the definition, causes, and consequences of social problems. Gen. Ed. 12.

237 Population and Society. (3) A. Examination of population problems; national and international policies and relationships between population and social structure. Gen. Ed. 12.

261 Introduction to Sociology. (3) I, II. Prerequisite: SOC 131. Family as an institution in society; its relation to cultural transmission and personality development; its relation to the wider institutional structure of society. Credit will not be awarded for both SOC 245 and CDF 132 or HEC 132.

305 Computers and Society. (3) A. Cross listed as CSC 305 and POL 305. The influence of computers on social and political processes. Sociology, technology, and society; sociology, computers, and society; utopias.

310 The Sociology of Language Use. (3) I. An examination of the variations and meanings of language use in social groups and the role of language in human interaction.

313 Social Deviance. (3) A. Examination of the social and cultural setting of deviant behavior. Will include an examination of the process of becoming deviant as well as specific types of deviance such as substance, sexual, and mental disorders.

320 Mind, Self, and Society. (3) A. Prerequisite: SOC 131. Relation of the individual to the sociocultural environment, with special reference to personality development, interpersonal role-behavior, motivation, and social attitudes.

340 Juvenile Delinquency. (3) A. Prerequisite: SOC 131. Survey of theories of juvenile delinquency, including evaluation of the constitutional, psychological, and sociological approaches, and dealing with prophylactic treatment, and control.

347 The Sociology of the Underground Economy. (3) A. Examination of the underground economy and the consequences of underground economic activity for society.

350 Selected Topics in Sociology: ______. (3) A. Prerequisite: SOC 131 or instructor approval. May be retaken to a maximum of nine hours provided the subject matter differs each time. Sample topics: Appalachian social and economic development; immigrant communities.

353 Sociology of Health and Illness. (3) A. Prerequisite: SOC 131 or instructor approval. Social and cultural dimensions of health and illness; analysis of mainstream and alternative health professions and medical facilities.

360 The Community. (3) A. Prerequisite: SOC 131. Characteristics of community relations in society; structure of and changes in communal organizations and resources within communities.

375 Criminology. (3) A. Prerequisite: SOC 131. Survey of theories of criminal behavior as applied to the social processes of law making and law breaking; prediction and control of crime.

395 Research Methods in Sociology. (3) II. Prerequisites: SOC 131 and SOC 232. Methods and techniques of sociological research; includes collecting, measuring, analyzing, processing, and presenting social data.

399 Sex Roles in Traditional and Contemporary Society. (3) A. Cross listed as ANT 399. Prerequisite: ANT 120 or 210 or 211 or SOC 131 or instructor approval. Consideration of the roles women and men have in traditional societies and their changing roles in industrial societies.

400 Racial and Cultural Minorities. (3) A. Prerequisite: SOC 131. Analysis of dominant and minority groups from the perspective of sociological and related social sciences with an emphasis on racial and cultural groups in the United States. An examination of prejudice and discrimination.

410 Political Sociology. (3) A. Prerequisite: SOC 131 or instructor approval. Analysis of political behavior and institutions within the structure of society; social attitudes, voting behavior, and political activity.

450 Social Change. (3) A. Prerequisite: six hours of sociology or instructor approval. Analysis of theories of social and cultural change in terms of process and direction and methodological issues.

455 Collective Behavior. (3) A. Prerequisite: six hours in sociology. Analysis of mass phenomena such as public opinion, rumors, fads, mobs, riots, panics, and social movements; including a consideration of the development and termination of collective behavior forms.

460 Sociological Theory I—Classical Writers. (3) I. Prerequisite: nine hours in sociology. Early developments in sociological theory; definition of the field and formation of schools of theory; the basis upon which contemporary theories are built.

463 Social Stratification. (3) A. Prerequisite: six hours in sociology. Classic and recent studies of social classes and strata; critical analysis of recent research methods; social class, mobility aspirations.

465 Demography. (3) A. Formerly SOC 565. Methods of demographic analysis with special emphasis on sources and uses of demo-
graphic data; models of population processes such as mortality, fertility, and migration.

470 Seminar in Sociology. (3) A. Prerequisite: nine hours in sociology or instructor approval. Systemic overview of sociology through a general survey of various subdisciplines of the field with emphasis on recent research, theory, issues, and developments.

492 Applied Sociology. (3) A. Prerequisite: six hours in sociology. Applications of principles of sociological theory to problems of present day society, analysis of past societies, or imaginative construction of future societies.

520 Social Organization. (3) A. Prerequisite: instructor approval. Analysis of various types of organizations in American society; internal and external processes and organizational structure.

561 Sociological Theory II—Contemporary Writers. (3) II. Prerequisite: SOC 460 or instructor approval or graduate standing. Current state of sociological theories; recent formulations, controversies, and trends.

585 Sociology of Small Groups. (3) A. Prerequisite: SOC 131 or instructor approval. Studies in the way people behave in small groups; emergence of leadership and coalitions; how changes in task requirements and rules influence the behavior of group members.

590 Directed Study. (1-3) A. Prerequisite: student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment. May be retaken to a maximum of six hours provided the subject matter differs each time. Directed study in sociology.

GRADUATE COURSES

720 Social Organization. (3) A.
761 Sociological Theory II—Contemporary Writers. (3) II.
785 Sociology of Small Groups. (3) A.
790 Directed Study. (1-3) A.
845 Community Development. (3) A.
865 Demography. (3) A.
880 Survey Design and Analysis. (3) A.

SWK—Social Work

210 Introduction to Social Work. (3) I, II. Defines the social welfare system; presents a brief history; introduces philosophy, values, processes of the social work profession; emphasizes the relationship aspect of social work; includes a volunteer requirement.

280 Human Social Interactions. (3) I, II. Prerequisites: SOC 131 and SWK 210. Systems view of human behavior and social environment; explores developmental life cycle within social work perspective, emphasizes sociobiological nature of individual human system; diversity of human experience is addressed.

310 Social Welfare Services I. (3) I, II. Prerequisite: SWK 210. Study of income maintenance programs and services to families and children; role of social workers in these programs.

311 Social Welfare Services II. (3) A. Prerequisite: SWK 310 or instructor approval. Study of social programs/services in specialized systems such as health care, corrections, women’s services, mental health, and gerontology; role of social workers in these systems.

315 Social Work Practice I. (3) I, II. Prerequisite: SWK 280 or instructor approval. Corequisite: SWK 320. Theoretical base and basic practice skills for beginning social workers. Includes skills in problem assessment, data collection, contact initiation, and contract negotiation.

316 Social Work Practice II. (3) A. Prerequisite: SWK 315. Student develops skills in formation, maintenance, and coordination of action systems of all sizes; use of influence, evaluation, and effective termination. Tools used include group interaction, community investigation, and program development.

320 Practice Skills Seminar. (1) I, II. Corequisite: SWK 315. Weekly one-hour seminar for students to develop and experiment with various aspects of the social work process; interviewing skills, sensitivity, data collection, initial contact, and contract negotiations.

331 Appalachia: A Cultural Perspective. (3) A. Cross listed as ANT 331. Prerequisites: SOC 131 and three hours of ANT, SOC, or SWK. Sociocultural perspective of Appalachia. Relationship of physical characteristics; beliefs; occupation; personality; family/kinship patterns to health. Cross-cultural professional practice skills and errors of cross-cultural helping.

380 Human and Social Processes. (3) I, II. Prerequisites: SWK 280, POL 333, and PSY 202. Integration of biological, psychological, social structural and cultural theories as they impact human behavior—individual and collective. Systems, human diversity, and goal-directed behavior perspectives.

390 Field Experience in a Social Agency. (3) A. Prerequisite: SWK 315. May be taken concurrently with or following SWK 316. Eight hours per week in an agency, special community program, or project approved by Practicum Coordinator plus weekly one-hour seminar. Applications of practice theory and process. Student must apply the previous semester. Social Work majors only.

410 Social Welfare Policy. (3) I, II. Prerequisite: SWK 310. Relationships among social institutions; dynamics of policy formulation and analysis; policy-relevant tasks of social workers; impact of social welfare policies on human well-being.

455 Selected Topics in Social Work. (3) A. Prerequisite: instructor approval. Course content will be determined by student interest, instructor specialty, and new developments in the profession. May be retaken to a maximum of six hours provided subject matter differs each time.

456 Children’s Services. (3) A. Prerequisite: instructor approval. Critical appraisal of societal values of priorities underlying services to children. Examines range of services and skills used in social work practice with children; understanding psycho-social needs of children.

457 Services for the Elderly. (3) A. Prerequisite: instructor approval. Examines societal values relating to the elderly; psycho-social needs of the elderly; community-based and institutional services; and dynamics of working with the elderly and their families.

480 Professional Issues and Ethical Dilemmas. (2) A. Prerequisite: SWK 390. Seminar. Critical analysis of the social welfare institution and the social work profession.

490 Social Work Practicum. (12) A. Prerequisites: GPA of 2.0 and completion of all other major requirements with a minimum of “C.” Supervised practice in a social agency approved by Practicum Coordinator. Four days a week for 12 weeks plus weekly on-campus seminar. Application must be made through Practicum Coordinator the semester preceding placement. Social Work majors only.

590 Directed Study. (1-3) A. Prerequisite: student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment. May be retaken to a maximum of six hours provided the subject matter differs each time.

GRADUATE COURSE

790 Directed Study. (1-3) A.

DEPARTMENT OF GEOGRAPHY AND PLANNING

W. J. Walker, Chair; Adams, Kubiak, Marionneaux, Quillen, Zurick.

The major goals of the Department of Geography and Planning are to prepare professional geographers for a contributory role in society; to provide the necessary academic background for prospective teachers; and to provide geographic, planning, and tourism information and expertise to the state, local, and university communities.

Graduates with a geography degree may find employment and academic opportunities in such areas as teaching, cartography, remote sensing, economic development, resource management, urban and regional planning, tourism operations, or tourism marketing and development. Career opportunities exist in both the private and public sectors of the economy. A degree
in geography also prepares students for advanced study in graduate school.

The Department offers programs of instruction leading to a Bachelor of Arts degree in Geography (teaching and non-teaching) with options in Planning or Travel and Tourism. Teaching and non-teaching minors are also offered. Students pursuing the B.A. in Geography (non-teaching) must take the 21 hour geography core, plus an additional 12 hours in geography. Students pursuing a geography major with an option in Planning or Travel and Tourism are required to take the geography core, plus the courses specified for the option.

**Geography MAJOR (BACHELOR OF ARTS)**

**Major Requirements** .......................................................... 33 hours

**Geography Core** ................................................................. 21 hours

GEO 210, 220; GEO 321 or 322; GEO 345 or 347; GEO 330, 450, and 490.

Majors must select an option in Planning or Travel and Tourism or take the following geography courses:

GEO 355; GEO 356 or 556; GEO 553, and three hours of upper division GEO electives......12 hours

**Options**

**Planning**

PLA 220, GEO 355, and six hours of upper division PLA electives..................12 hours

**Travel and Tourism**

TNT 210, 310, 410, and 415 ..........12 hours

**Supporting Course Requirements** ......................................9-18 hours

**Geography**

GLY 108 and six hours to be selected from a departmental approved list...........9 hours

**Planning**

GLY 108 and six hours to be selected from a departmental approved list...........9 hours

**Travel and Tourism**

The student may minor in business, foodservice administration, planning and development, political science, public relations, or select 18 hours from a departmental approved list........18 hours

**General Education Requirements** ....................................43-46 hours

Standard General Education program excluding course category 14 for the Geography major and for the Planning option. The Travel and Tourism option requires 46 hours. Refer to Part Three of this Catalog for details on the General Education and University requirements.

**University Requirements** ...............................................9 hours

CSO 100; eight hours of restricted electives.

**Free Electives** ...............................................................22-34 hours

**Geography** .................................................................34 hours

**Planning** .................................................................34 hours

**Travel and Tourism** ....................................................22 hours

**Total Curriculum Requirements** ....................................128 hours

**Geography (Teaching) MAJOR (BACHELOR OF ARTS)**

**Major Requirements** .................................................... 30 hours

GEO 210, 220, 302; GEO 321 or 322; GEO 330, 345, 347, 450, GLY 108, and three hours of upper division GEO electives.

**Minor** .............................................................................. 21 hours

A 21 hour teaching minor in art, English, French, history, mathematics, or Spanish is required unless the student has a second major in an appropriate discipline.

**Teacher Education Requirements** ...................................28 hours

EDF 102, 202, 317, EPY 318, ESE 449, 498, and 499.

**General Education Requirements** ....................................40 hours

Standard General Education program, excluding course categories 12 and 14. Refer to Part Three of this Catalog for details on the General Education and University requirements.

**University Requirements** ...............................................9 hours

CSO 100; eight hours of restricted electives.

**Total Curriculum Requirements** ....................................128 hours

**MINOR IN GEOGRAPHY**

A student may minor in geography by completing a minimum of 18 semester hours as follows: GEO 210, 220, 330, 490, and six hours of upper division GEO electives.

**MINOR IN GEOGRAPHY (TEACHING)**

A student may minor in geography (teaching) by completing a minimum of 21 semester hours as follows: GEO 210, 220, 330, 345, and nine hours of upper division GEO electives.

**MINOR IN NATURAL RESOURCE ANALYSIS**

A student may minor in natural resource analysis by completing a total of 18 hours as follows: GEO 210, 355, 356, 556, and six hours from GEO 302, 450, 501, or PLA 300.

**MINOR IN PLANNING AND DEVELOPMENT**

A student may minor in planning and development by completing a total of 18 hours as follows: PLA 220, GEO 355, 490, six hours of upper division PLA electives, and three hours electives from GEO 321, 322, 450, POL 333, or 370.

**MINOR IN TRAVEL AND TOURISM**

A student may minor in Travel and Tourism by completing a total of 18 hours as follows: GEO 210, 220, 345, TNT 210, 310, and three hours from TNT 410 or 415.

**GRADUATE PROGRAMS**

The Department of Geography and Planning provides graduate level courses as support for other related disciplines including the Community Development Option in the Master of Public Administration Program offered by the Department of Government.

The Master of Arts in Education degree with an option in geography is offered in the College of Education with the cooperation of the Department of Geography and Planning. The regulations for the degree may be found in the College of Education section of the Graduate Catalog.

**Course Descriptions**

**GEO—Geography**

101 Introduction to Geography, (3) A. Study of the principles of geography stressing cultural change as it pertains to human and physical environment distributions, relationships, and interactions over the earth. Gen. Ed. 09.
170 Maps and Navigation. (3) A. An introductory course designed to aid students in reading, interpreting, and using various types of maps. The specific focus will be on those maps utilized in applied navigation, e.g., dead reckoning.

201 Historical Geography I: Pre-industrial Era. (3) A. The study, from a geographic perspective, of the earth’s early human occupancy and the divergent development of culture systems and technologies prior to the industrial revolution. Gen. Ed. 10.

202 Historical Geography II: Modern World. (3) A. Study of the elements of cultural geography in the modern world and how human technologies have advanced to become the dominant agencies in changing the geography of the earth in the modern period of human occupancy. Gen. Ed. 11.

210 Introduction to Physical Geography. (3) A. Study of natural processes operating at the earth’s surface with special emphasis on weather and climate and landforms as explanations for how and why physical landscapes and human phenomena vary from place to place. 2 Lec/2 Lab. Gen. Ed. 14.

215 Introduction to Meteorology. (3) A. This is a non-technical introduction to meteorology designed for non-science majors. Emphasis is placed on the interpretation of weather phenomena and their effects on people. Gen. Ed. 15 or 16.

220 Cultural Geography. (3) A. Introduction to basic concepts of cultural geography, emphasis on analysis of various culture elements and reasons for their regional character and variations.

300 Geography: ______. (3) A. Prerequisite: instructor approval. Designed for study of special topics. The specific orientation (cultural, physical, field studies, etc.) will follow course title. May be retaken to a maximum of nine hours provided subject matter differs each time.


321 Urban Geography. (3) A. Study of city functions, patterns, and past and current problems confronting the city, including the problems of planning, zoning, community housing, shopping centers, and urban renewal. Gen. Ed. 12.

322 Political Geography. (3) A. Study of major areas of international concern focusing in geographic variations and political behaviors which have created modern political diversity. Gen. Ed. 12.

345 Regions and Nations of the World. (3) A. Formerly GEO 245. Study of the rapidly changing world regions and the resulting problems. Specific attention will be directed toward present areas of international concern. Gen. Ed. 12.

347 Regional Geography: ______. (3) A. Physical, cultural, and economic geography of a selected region (e.g., Europe, North America, Kentucky) with emphasis on the region’s current problems. May be retaken to a maximum of 12 hours provided subject matter differs each time.

349 Cooperative Study: Geography. (1-8) A. Prerequisite: departmental approval. Work in placement related to academic studies. One to eight hours credit per semester or summer. Total hours for baccalaureate, 16. A minimum of 80 hours employment required for each semester hour credit. No more than six hours may count toward the major.

355 Cartography. (3) A. Map compilation, execution, proofing, and reproduction, utilizing a variety of techniques, material, and tools in laboratory exercises. Lectures provide supplementary information and cover current developments. 1 Lec/4 Lab.

356 Aerial Photo Interpretation. (3) A. Principles of air photo interpretation. Use of photos and instruments in making measurements, inventories, sampling, and in planning. Emphasis is on interpretation of land forms, soils, land use, and vegetation.

450 Field Studies. (3) A. Prerequisite: instructor approval. Field techniques and applied case studies of geographic topics in both immediate and distant environs. 1 Lec/4 Lab and field exercises.

490 Senior Seminar. (3) A. Prerequisite: twelve hours of geography or departmental approval. A comprehensive study of geography including such topics as historical development, major concepts, role of the discipline, and trends.

495 Practicum. (3-6) A. Prerequisite: geography major. Students will work under departmental supervision in governmental, corporate, or private enterprises which are engaged in applied geography. Determination of the number of hours will be made by the department, depending upon the range and depth of activities to be engaged in. May not be retaken.

498 Independent Study. (3) A. Prerequisite: departmental major with a senior standing. Student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment.

501 Advanced Geography: ______. (3) A. Prerequisite: departmental approval. In-depth study of physical, cultural, or economic geography themes. May be retaken to a maximum of six hours if subject matter differs each time.

550 Field and Research Methods in Geography. (3) A. Formerly GEO 850. Cross listed as PLA 550. Detailed reconnaissance field work, including classification of natural and cultural features, interview procedures, and preparation of geographical reports.

551 Seminar in History and Philosophy of Geography and Planning. (3) A. Formerly GEO 851. Prerequisite: departmental approval. Discussion of the history and development of geographic thought, various schools of geography, philosophies in geography, current and future trends.

553 Research Application in Geography. (3) A. Prerequisite: introductory statistics course. Statistical and computer techniques applied to geography and planning problems. 2 Lec/2 Lab.

555 Advanced Cartography. (3) A. Prerequisite: GEO 355 or instructor approval. Advanced techniques of cartographic presentation of data to include computer applications. 1 Lec/4 Lab.

556 Remote Sensing. (3) A. Prerequisite: departmental approval. Characteristics, uses, and interpretation of several types of remote sensing imagery, emphasizing aerial and multispectral scanner radiance, and thermal infrared imagery, including digital data processing by computer satellite imagery.

597 Special Studies in Geography. (3) A. Formerly GEO 897. Cross listed as PLA 597. Prerequisite: departmental approval. Directed work in geography. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSES

701 Advanced Geography: ______. (3) A.

750 Field and Research Methods in Geography. (3) A.

751 Seminar in History and Philosophy of Geography and Planning. (3) A.

753 Research Applications in Geography. (3) A.

755 Advanced Cartography. (3) A.

756 Remote Sensing. (3) A.

787 Special Studies in Geography. (3) A.

PLA—Planning

220 Introduction to Planning. (3) A. Introduction to urban, regional, state, and national planning. Topics include the development of planning and its vocabulary; the process, functions, and organization of planning; and planning for elements and systems.

300 Planning Topics: ______. (3) A. Designed to provide study in specific topics to include land use and environmental planning, human resource planning, and transportation planning. May be retaken to a maximum of nine hours if subject matter differs each time.

349 Cooperative Study: Planning. (1-8) A. Prerequisite: departmental approval. Work in placement related to academic studies. One to eight hours credit per semester or summer. Total hours for baccalaureate, 16. A minimum of 80 hours employment required for each semester hour credit. No more than six hours may count toward the major.

495 Practicum. (3-6) A. Prerequisite: planning major. Students will work under departmental supervision in governmental, corporate, or private enterprises which are engaged in planning. Determination of the number of hours will be made by the department, depending upon the range and depth of activities to be engaged in. May not be retaken.

498 Independent Study. (3) A. Prerequisite: departmental approval. Independent study topic in specific aspects of planning. Student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment.

521 Seminar in Planning: ______. (3) A. Formerly PLA 821. Prerequisite: departmental approval. In-depth study of urban or regional
planning topics, such as growth management and land use. May be retaken to a maximum of six hours provided subject matter differs each time.

550 Field and Research Methods in Planning. (3) A. Formerly PLA 850. Cross listed as GEO 550. Detailed reconnaissance field work, including classification of natural and cultural features, interview procedures, and preparation of planning reports.

597 Special Studies in Planning. (3) A. Formerly PLA 897. Cross listed as GEO 597. Prerequisite: departmental approval. Directed work in planning. Student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment.

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**GRADUATE COURSES**

**TNT—Travel and Tourism**

210 Travel and Tourism. (3) A. Formerly TRA 410. Travel and tourism are examined in terms of conceptual framework, spatial considerations, and economic, physical, and social impacts.

300 Travel and Tourism Topics: (1-3) A. Prerequisite: instructor approval. Designed to provide study in special areas of travel and tourism as reflected in the course title. May be retaken to a maximum of nine hours provided subject matter differs each time.

310 Travel and Tourism Operations. (3) A. Prerequisite: TNT 210 or departmental approval. Introduction to the function and operating procedures of the major business sectors (e.g., travel agencies, air carriers, tour operations) within the travel-tourism industry. One or more field experiences will be included.

349 Cooperative Study: Travel and Tourism. (1-9) A. Prerequisite: departmental approval. Work in placement related to academic studies. One to eight hours credit per semester or summer. Total hours for beccalaureate, 16. A minimum of 80 hours employment required for each semester hour credit.

410 Tourism Development. (3) A. Prerequisite: TNT 210 or departmental approval. An in-depth study of the planning process, the determination of marketing strategies, and the economic impact of tourism development.

415 Current Issues in Travel and Tourism. (3) A. Prerequisite: TNT 210 or departmental approval. A comprehensive study of current issues, trends, problems, and opportunities in the travel and tourism industry. Field trip and research paper required.

420A Internship. (3) A. Formerly TRA 420. Prerequisite: departmental approval. Students will work under departmental supervision in a private or public agency engaged in travel and tourism activities.

420B Internship. (3) A. Formerly TRA 420. Prerequisite: departmental approval. Students will work under departmental supervision in a private or public agency engaged in travel and tourism activities.

498 Independent Study. (3) A. Prerequisite: departmental approval. Independent study topic in specific aspects of travel and tourism. Student must have the independent study proposal form approved by faculty advisor and departmental chair prior to enrollment.

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**DEPARTMENT OF GOVERNMENT**

Political Science
Public Administration
Legal Studies


Government, politics, administration and law are the closely related concerns of the Department of Government. The Department offers programs of instruction leading to Bachelor of Arts degrees in Political Science, Political Science (Teaching), and Paralegal Science; an Associate of Arts Degree in Paralegal Studies, the Master of Arts in Political Science, and the Master of Public Administration.

Consistent with its liberal arts tradition, the Department's undergraduate degree programs strengthen a student's ability to think critically, deal with the complexities of issues and values, empathize with others, make decisions, do research, and communicate in writing and orally. The programs include many elective hours, which can be used to enhance knowledge and skills related to many kinds of employment. The Department's graduates are prepared for a wide variety of career opportunities in business, government, teaching, communications, politics, and the military services. They are also prepared to seek graduate and professional degrees in fields such as law, public administration, business administration, journalism, social work, education, counseling, theology, planning, architecture, international affairs and the social sciences.

The paralegal programs, which are approved by the American Bar Association, comprise the study of legal principles and specific skills needed to assist in the delivery of legal services. The two-year Paralegal Studies program is intended primarily for persons who are already working in law offices or who have had substantial relevant work experience. Both programs lead to professional careers as paralegals, law office managers, insurance claim evaluators, paralegal managers, judicial assistants, title abstractors, administrative hearing advocates, and to other careers in government and business.

Besides the paralegal (LAS) courses in the paralegal degree programs, several other LAS and political science (POL) courses are devoted to the study of law as a social institution.

The political science programs entail study of government—its purpose, structure, operation, activities, and relation to other organizations, groups, and individuals—as well as the study of international relations. Many students planning to attend law school find these programs to be particularly good background for their legal study.

Public administration is the study of the structure and management of public organizations, including both government agencies and other not-for-profit agencies, the activities and responsibilities of persons who work in such organizations, and the specific skills needed by such individuals.

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**Political Science**

**MAJOR (BACHELOR OF ARTS)**

Major Requirements .................................................. 33 hours
POL 101; six hours from international relations and/or comparative courses; six hours from American government and/or public administration courses; POL 380; three hours from POL 557, 558, or 569; plus 12 other hours in political science. A total of 18 hours must be in courses numbered 300 or above. (To identify courses in international relations, comparative government, American government, public administration, and methodology see the note immediately under the heading "Course Descriptions").

General Education Requirements .................................. 46 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements .......................................... 9 hours
COS 100; eight hours of restricted electives.

Free Electives ...................................................... 40 hours

Total Curriculum Requirements ................................ 128 hours

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SOCIAL & BEHAVIORAL SCIENCES 221
MINOR IN POLITICAL SCIENCE
A student may minor in political science (non-teaching) by completing POL 101 plus 15 hours of which nine hours must be in courses numbered 300 or above.

Political Science (Teaching)
MAJOR (BACHELOR OF ARTS)

Major Requirements .............................................33 hours
POL 101; six hours from international relations and/or comparative courses; six hours from American government and/or public administration courses; POL 380; three hours from POL 557, 558, or 559; plus 12 other hours in political science. A total of 18 hours must be in courses numbered 300 or above. (To identify courses in international relations, comparative government, American government, public administration, and methodology see the note immediately under the heading “Course Descriptions.”)

Minor .................................................................21 hours
A 21 hour teaching minor is required.

Teacher Education Requirements ......................28 hours
EDF 102, 202, 317, EPY 318, ESE 449, 498, and 499.

General Education Requirements ..................43 hours
Standard General Education program, excluding course category 12. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ........................................9 hours
CSO 100; eight hours of restricted electives.

Total Curriculum Requirements ........................128 hours*

*Careful selection of minor courses is required to stay within the 128 hour total.

MINOR IN POLITICAL SCIENCE (TEACHING) ..................21 hours
POL 101; six hours from international relations and/or comparative courses; six hours from American government and/or public administration courses; and six hours of political science courses. A total of 12 hours must be in courses numbered 300 or above. No more than six hours may be counted toward the teaching minor from POL 490, 495A, 495B, 496A, 496B, 497, or 498. (To identify courses in international relations, comparative government, American government, public administration, and methodology see the note immediate under the heading “Course Descriptions.”)

PARALEGAL PROGRAMS
James McCord, Director

The paralegal programs comprise a Bachelor of Arts degree in Paralegal Science and an Associate of Arts degree in Paralegal Studies. The objectives of the programs are:
1. To create, implement, and maintain a strong, flexible program directed to the quality education of occupationally competent paralegals.
2. To provide a paralegal education program that leads to employment of its graduates by a wide range of employers.
3. To provide paralegals with a well-rounded, balanced education founded on a beneficial mix of general education, theory, and practical courses stressing understanding and reasoning rather than rote learning of facts.

4. To support the general principles of ethical legal practice, professional responsibility, and the prohibitions against the unauthorized practice of law by laymen.
5. To provide an educational program which is responsive to the varied needs of the state of Kentucky and the region and contributes to the overall advancement of the legal profession.
6. To provide a program which instills respect for the legal profession and its foundations, institutions, and quest for justice.
7. To maintain equality of opportunity in the educational program without discrimination or segregation on the grounds of race, color, religion, natural origin, or sex.

DEGREE REQUIREMENTS
In addition to the requirements specified below, paralegal majors (A.A., B.A.) must attain a minimum grade of “C” in all “major” and “supporting” courses. A minimum grade of “C” must be earned in LAS 210 before taking LAS 211 and a minimum grade of “C” must be earned in LAS 211 before being admitted to any of the upper division LAS requirements.

TRANSFER STUDENTS
Transfer students must take a minimum of 15 semester hours of paralegal (LAS) courses at Eastern to earn a paralegal degree.

Paralegal Science
MAJOR (BACHELOR OF ARTS)

Major Requirements .............................................34 hours
LAS 210, 211, 301, 302, 399, and 401; 15 hours from LAS 310, 340, 350, 370, 380, 390, 392, 490, or ACC 210.

Supporting Course Requirements .....................15 hours
ACC 201, ACS 560, ENG 301, and POL 101, three hours from POL 460, 463, or 464.

General Education Requirements ................46 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements .................................9 hours
CSO 100; eight hours of restricted electives.

Free Electives ..............................................24 hours

Total Curriculum Requirements ........................128 hours

Paralegal Studies
(ASSOCIATE OF ARTS)

Major Requirements .............................................31 hours
LAS 210, 211, 301, 302, 399, and 401; 12 hours from LAS 310, 340, 350, 370, 380, 390, 392, or ACC 210.

Supporting Course Requirements .....................30 hours
CSO 100*, six hours of English Composition*, three hours general education humanities*, POL 101*, three hours general education natural science* or MAT 106* or MAT 107* and one hour of general education elective, ACC 201, ACS 280, and ENG 301. Also required are four hours of restricted electives.

Free Electives ..............................................4 hours

Total Curriculum Requirements ........................65 hours
GRADUATE PROGRAMS

Master of Arts
The Master of Arts in Political Science degree program is designed to accommodate the needs and interests of individual students. The program can serve as an intermediate degree for those who wish to continue doctoral level study, or study in law and other professional schools. The degree can also serve as preparation for advanced positions in government, industry, and other areas of employment as well as develop one’s understanding of the political process and public policy.

Master of Public Administration
The Master of Public Administration degree program is recognized by having been accredited by the National Association of Schools of Public Affairs and Administration. The Department offers the degree of Master of Public Administration primarily for persons interested in government service. Specialized options in Community Health Administration and Community Development are offered. The Institute of Government, an administrative unit of the Department, serves as focus for many activities connected with the public administration offerings.

Master of Arts in Education
The Master of Arts in Education degree with an option in political science is offered in the College of Education with the cooperation of the Department of Government. The regulations for the degree may be found in the College of Education section of the Graduate Catalog.

For further information about the department's graduate degree programs, see the Graduate Catalog.

Course Descriptions

Note: POL courses are grouped as follows according to the below listed middle digits of the course numbers. For example, POL 210 is a comparative government course.

0 Special topics
1 Comparative Government
2 International Relations
3 American (State & Local)
4 American Political Process
5 Theory
6 Judicial Process
7 Public Administration
8 Methodology
9 Practicums, Internships, and Independent Study

POL—Political Science

100 Principles of Politics and Government. (3) I, II. An introductory social science course focusing on the political and governmental aspects of societies. Does not count toward Political Science major requirements. Gen. Ed. 09.


201 Short Topics in Political Science. (1-3) A. A maximum of three short topics offered during any semester. The student may take any or all topics. May be retaken to a maximum of six hours when topics vary. For those qualified high school students enrolled in the topic "A Kentucky Locality" the grade of IP may be given.

210 Political Development: Traditional and Transitional Societies. (3) I, II. Examination of traditional and transitional nations and regions, past and present; relation between political development and social, economic, and political institutions; development of national identity. Gen. Ed. 10.

211 Political Development: Modern Societies. (3) I, II. Politics and political change in modern, industrial societies. Democratic and authoritarian systems as ways of promoting and dealing with technological, economic, and social change and their consequences. Gen. Ed. 11.

220 Problems of International Politics. (3) I, II. Cooperation and conflict in the relations among nations. Diplomacy, military force, and international organizations as instruments, with emphasis on the international behavior of the great powers. Gen. Ed. 12.

300 Contemporary Political Problems. (3) I, II. Application of the skills of citizenship to problems of contemporary politics. Designed to increase the students' political awareness and ability to function politically in contemporary society. Gen. Ed. 12.

305 Computer and Society. (3) A. Cross listed as CSC 305 and SOC 305. The influence of computer on social and political processes. Software related to socio-political issues.

312 Politics in China. (3) A. Formerly POL 512.712. Analysis of political development, organizational structure, and operation of Chinese political systems with particular emphasis on Chinese Communism, its foreign policies, and contemporary problems in China.

315 Politics of Western Democracies. (3) A. Prerequisite: three hours of political science or instructor approval. Examination of major characteristics, similarities and differences in the political systems of selected Western democracies.

316 Soviet Politics. (3) A. Survey of domestic politics in the USSR, background and development of the Soviet system, the party-state structure, the policy-making process and power struggle; relation to the system to Soviet society.

317 Politics and Religion. (3) A. Interaction of government, politics, and religion in the U.S. and other countries; theories of church-state relations; religious organizations as pressure groups, agents of socialization, objects of government policies; religion and nationalism.

321 American Foreign Policy. (3) II. Prerequisite: three hours of political science or instructor approval. Analysis of the internal processes and external factors which affect U.S. foreign policy, with emphasis on the post-World War II period. Case studies in decision-making.

325 International Security Affairs. (3) I. Analysis of major problems of national/international security, the role of military power and arms control in the nuclear era, with emphasis on military-security policies of great powers.

327 International Law and Organization. (3) A. Prerequisite: three hours of political science or instructor approval. Analysis of the development of the U.N.; functional and regional approaches to peace, security, economic cooperation, social welfare, and law in international relations.

331 Urban Politics. (3) A. Political processes of urban areas including comparisons of alternative structures of urban and other local governments.

332 Kentucky Government and Politics. (3) I, II. An overview of the Kentucky political system: major institutions, processes and political leaders, with emphasis on recent events and developments. Credit will not be awarded for both POL 332 and POL 497B.

333 American State and Local Government. (3) A. Formerly POL 230. Study of the institutions and processes of government of the fifty states and of cities and counties.

340 American Politics: Parties, Public Opinion and Pressure Groups. (3) A. Prerequisite: POL 101 is recommended. Informal political institutions of American government; functions, organization, financing of political parties, public opinion, and pressure groups. Their relationship to democracy.

341 The Legislative Process: Congress and State Legislatures. (3) A. Prerequisite: POL 101 is recommended. A systematic examination of the decision-making process in Congress and state legislature.

342 The American Chief Executive: President and Governor. (3) A. Prerequisite: POL 101 is recommended. An examination of the power and functions of the offices of the president and governor. Recent developments affecting the American president will be emphasized.

345 Minority Group Politics. (3) A. Prerequisite: POL 101 is recommended. Examination and comparison of various theories, strategies, forms of participation, leadership styles, and concepts (e.g., Black Power) of minority group politics.

349 Cooperative Study: Political Science. (1-8) A. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. Minimum of 80 hours employment required for each semester hour credit. No more than six hours may count toward this major.

SOCIAL & BEHAVIORAL SCIENCES 223
357 American Political Thought. (3) A. Study of the political philosophy and values that have shaped the American political system. Emphasis is given to problems of democracy and to competing ideologies within the American political system.

360 Judicial Process. (3) A. Study of legal and judicial systems in the United States and their role in the American political process.

370 Introduction to Public Administration. (3) A. Prerequisite: POL 101 or 333. Survey of organization, authority, decision-making, intra-organization communications and application of principles of the American bureaucracy. Application may be by case study.

371 Governmental Administration of Social Services, Programs, and Agencies. (3) A. Prerequisite: three hours of political science or social work, or instructor approval. Examination of the political and administrative problems in public agencies and survey of management tools available to those responsible for the delivery of social services.

374 Introduction to Public Policy. (3) A. Introduction to the role of federal, state, and local governments in the formulation, implementation, and evaluation of public policies. Examples of policy decisions which might be covered include, energy, housing, environmental quality, and social services.

376 Public Personnel Policy. (3) A. Overview of institutions, policies, and practices for utilization of human resources in government. Analysis of contemporary issues. Civil Service systems, public unionism, affirmative action, public sector efficiency.

380 Research and Writing in Political Science. (3) A. Formerly POL 301. Prerequisite: majors, minors, or instructor approval. Practical application of techniques and methods used in collection, analysis, and writing a presentation of original data. Each student must submit a paper of 3,000 words.

405 Special Topics in Political Science. (3) A. Exploration of a particular topic: theorist, institution, process, policy, writings, or their combinations. Prerequisites set by the department. May be retaken to a maximum of six hours provided subject matter is different each time.

422 Soviet Foreign Policy. (3) A. Contemporary foreign policy of the USSR, including historical, ideological, domestic, and external influences, and policy-making structure. Relations with US, third world and communist bloc.

440 Voting Behavior. (3) A. Prerequisite: POL 101 is recommended. Survey of recent literature in the field of voting behavior in the U.S. Topics include public opinion, polling, participation, and campaign behavior. Attention paid to methodologies and techniques.

460 Law and Society. (3) A. Sources, nature, function and limits of law as an instrument of social and political control and direction. Examples taken from property, torts, contracts, criminal law, and selected areas of public policy. Related to course 461.

463 Constitutional Politics. (3) A. An examination of constitutional problems in American government. Emphasis is given to cases in their legal and political context.

464 Law and Politics of Civil Liberties. (3) A. An examination of historic and contemporary problems of civil liberties. Emphasis is given to cases in their legal and political context. Emphasis in political science. (1-3) A. Individual research and/or reading on a problem or area in political science. Regular reports and final research paper required. May be taken to a maximum of six hours. Students must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment.

495 Practicum in Political Science. (1-3) A. Supervised field study project. May be retaken for a maximum of six hours, provided subject matter differs each time. Student must have the independent study project proposal form approved by faculty supervisor and departmental chair prior to enrollment.

495A Practicum in American Political Process. (1-3) A.

495B Practicum in Comparative Politics and International Relations. (1-3) A.

496A Washington Internship. (6-12) A. Supervised internship with agencies in Washington, D.C. Open by application to those students who fulfill the prerequisite of junior or senior standing with 2.5 GPA.

496B Washington Seminar. (3) A. Seminar on selected topics in national government to be taken in conjuction with POL 496A.

497 Kentucky Administrative Intern Program. (18) A. Formerly POL 400. Prerequisite: junior or senior standing with a cumulative GPA of 2.6 or better (on a 4.0 scale). Enrollment is by invitation only and limited to a maximum of 12 hours.

497A Internship in State Government. (3-9) A. Formerly POL 400A. Each intern's performance in his or her job is evaluated by the agency supervisor in consultation with the intern's campus coordinator or the student's advisor in the department granting credit for the internship. May be retaken to a maximum of nine hours.

497B Selected Topics in Administration of Kentucky State Government. (3-12) A. Formerly POL 400B. Seminar on various topics on the administration of the Kentucky state government which support and constitute an essential part of the Kentucky Administrative Intern Program. May be retaken to a maximum of 12 hours provided the topics vary. Credit will not be awarded for both POL 497B and POL 332.

498 Kentucky Legislative Internship Program. (15) A. Formerly POL 401. Prerequisite: junior or senior standing with a cumulative GPA of 2.8 or better (on a 4.0 scale) and a definite interest in the legislative process in the Commonwealth. Enrollment is by invitation only and limited to a maximum of 15 hours.

498A Legislative Internship. (3-9) A. Formerly POL 401A. Each intern's performance in his or her legislative assignment will be evaluated by the immediate supervisor in consultation with the campus coordinator. May be retaken to a maximum of nine hours.

498B Selected Topics in Kentucky Legislative Process. (3-9) A. Formerly POL 401B. Seminar on various topics on the legislative process in the Commonwealth which support and constitute an essential part of the Kentucky Legislative Internship Program. May be retaken to a maximum of nine hours.

513 Politics in Japan and the Two Koreas. (3) A. Analysis of political development, organizational structures, and political systems of Japan, South Korea, and North Korea, with emphasis on their foreign policies.

516 Communist Policy and Administration. (3) A. Principles and problems of policy-making and administration in Communist states. Analysis of political institutions in selected states, with emphasis on roles of political and economic leaders, party and state bureaucracies, and interest groups.

517 Politics and Social Change. (3) A. Comparative study of politics in present and past societies to consider the relationship between politics, political change and the broader social change. Emphasis on political phenomena especially suited to comparative study.

521 Contemporary International Relations. (3) A. Systematic analysis of major contemporary theories and approaches to the study of international politics and foreign policy.

525 Workshop in International Affairs. (3) SUMMER ONLY. Explores major problems in international affairs. Covers various areas of the world with reference to significant factors and problems of the people. Designed primarily for secondary teachers in the social science field.

531 Topics in Local and State Government. (3) A. An analysis of the institutions, policies, administration, and environmental systems which impact upon the operation of American local and/or state government. May be retaken to a maximum of six hours provided topics vary.

541 Politics and Education. (3) A. An examination of the way political decisions and policies are made in the field of education. Special attention is given to educational decision makers and political power at the local level.

557 Classical Political Thought. (3) A. Cross listed as PHI 557. Examination of the origins of Western political thought. Intensive reading of Plato, Aristotle, and Cicero.

558 Medieval, Renaissance and Reformation Political Thought. (3) A. Cross listed as PHI 558. Examination of the political theories of Augustine, Aquinas, Dante, Marsilio, Machiavelli, Luther, Calvin, and Bodin. Attention to the church-state controversy, the development of the concepts of representation, constitutionalism, and sovereignty.

559 Modern Political Thought. (3) A. Cross listed as PHI 559. Examination of the development of political thought from Hobbes to Nietzsche.

564 Introduction to Court Administration. (3) A. Organization of the court system; decision processes in the courts; judicial selection, removal, compensation, and education: court reform and court administration are the primary topics of this course.
565 Administrative Law. (3) A. Prerequisite: instructor approval. Nature of the powers vested in administrative agencies; the problems of administrative procedure; and the methods and extent of judicial control over administrative action.

GRADUATE COURSES

713 Politics in Japan and the Two Koreas. (3) A.
716 Communist Polish Administration. (3) A.
717 Politics and Social Change. (3) A.
721 Contemporary International Relations. (3) A.
725 Workshop in International Affairs. (3) SUMMER ONLY.
731 Topics in Local and State Government. (3) A.
741 Politics and Education. (3) A.
757 Classical Political Thought. (3) A.
758 Medieval, Renaissance and Reformation Political Thought. (3) A.
759 Modern Political Thought. (3) A.
764 Introduction to Court Administration. (3) A.
765 Administrative Law. (3) A.
800 Research Methods in Political Science. (3) A.
801 Administration, Ethics, and Public Policy. (3) A.
810 Seminar in Comparative Politics. (3) A.
820 Seminar in International Relations. (3) A.
835 Seminar in Intergovernmental Relations. (3) A.
839 Cooperative Study: Public Administration and Political Science (3-6) A.
840 The Taft Seminar. (3) SUMMER ONLY.
843 Seminar in Political Process. (3) A.
845 Community Development. (3) A.
853 Seminar in Political Theory. (3) A.
863 Seminar in Public Law. (3) A.
884 Seminar in Trial Court Administration. (3) A.
885 Seminar in Court System Administration. (3) A.
871 Field Study in Public Administration. (3-6) A.
873 Seminar in Theory of Public Administration. (3) A.
875 Public Sector Organizations and Management. (3) A.
876 Public Personnel Administration. (3) A.
877 Public Finance Administration. (3) A.
879 Public Program Analysis. (3) A.
891 Directed Research. (3-6) A.
893 Special Topics. (1-3) A.
895 Independent Study. (1-3) A.
899 Thesis. (3-6) A.

LAS—Paralegal

101 Your Legal Rights, Remedies, and Responsibilities. (3) A. Practical law to assist the individual in anticipating and dealing with typical legal needs. Topics will include landlord-tenant problems, consumer rights, personal liability, wills, arrest, divorce, and others. Does not count toward the paralegal major requirements.

210 Introduction to Law. (3) I, II. General study of the purpose, function, and history of law: law-related occupations; court systems; case law analysis; professional ethics; the adversary system; and the major areas of law.

211 Legal Research and Writing. (3) I, II. Prerequisite: LAS 210 or director approval. The sources and techniques of legal research; their application to specific legal problems and the use of legal authority to construct a written legal argument.

301 General Practice Law I. (3) I, II. Prerequisite: LAS 211. Paralegal practice and procedure for general law office; real estate transactions and documents; title searches; title insurance; loan closings; leases, wills, affidavits or descent, foreclosures and bankruptcy.

302 General Practice Law II. (3) I, II. Prerequisite: LAS 211. Study of legal principles; paralegal practice and procedure for the general law office; torts, contracts, Uniform Commercial Code, subrogation, collections, employee benefits, and insurance defense, emphasizing the systems approach.

305 Special Topics in the Law. (1-3) A. Prerequisite: director approval. A course offered periodically covering topics and issues of current or special interest concerning the law. May be retaken to a maximum of six hours provided topics vary.

310 Family Law Practice. (3) A. Prerequisite: LAS 211. Paralegal practice in family law including forms, documents, and procedures for: marriage, divorce, separation, annulment, alimony, legitimacy of children, custody, adoption, community property, and juvenile law.

340 Criminal Law Practice and Procedure. (3) A. Prerequisite: LAS 211 or director approval. An introduction to criminal law and procedure; criminal law forms and documents, and preparation for criminal litigation using the systems approach.

350 Litigation Practice and Procedure. (3) A. Prerequisite: LAS 302 or director approval. Paralegal trial preparation including investigation techniques, discovery, disclosure, exhibit preparation, witness preparation, pre-trial motions, evidence, jury instructions, trial assistance, and appeals, emphasizing the systems approach.

365 Trail and ERA: A Legal Heritage. (3) A. Formerly LAS 225. A study of famous and significant court trials and the dramatic and dramatic way in which the trial brings together the legal philosophies and social attitudes of the times. Does not count toward the paralegal major requirements.

370 Corporations and Business Organization Practice. (3) A. Prerequisite: LAS 211. Documents, forms, and procedures essential to the corporate paralegal. Development of skills concerning business formations, incorporation, corporate finance, employees, corporate operation, securities, regulatory compliance, merger, acquisitions, sales, and terminations.

380 Administrative Agency Practice. (3) A. Prerequisite: LAS 211. Practical paralegal skill development in administration law and procedure. Forms, documents, pleadings, and techniques for administrative regulatory compliance; case processing; informal and formal administrative advocacy, emphasizing the systems approach.

390 Probate Practice and Procedure. (3) A. Prerequisite: LAS 301 or director approval. Paralegal probate practice including initial steps, asset accumulation, debt management, court procedure, estate-related tax issues and forms. A systems approach will be emphasized.

392 Estate Planning and Procedure. (3) A. Prerequisite: LAS 389 or director approval. The study of law, forms, documents, and procedures essential to the paralegal involved in the drafting of wills, trusts, and estate plans. The systems approach will be emphasized.

399 Paralegal Internship. (4) I, II. Prerequisites: LAS 301, 302, and director approval of brief written application filed one semester before enrolling. Supervised work experience as paralegal in a law office, requiring periodic progress reports and a final paper. Graded Pass-Fail.

399 Paralegal Seminar. (3) I. Prerequisite: LAS 301 or director approval. Intensive study of selected problems in paralegal studies. Emphasis will be placed on problems and interests developing from the students internship experience.

400 Independent Study of Law. (1-3) A. Prerequisite: director approval. Individual research, skill development, and study in an area of law or paralegal practice. Student must have independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment. May be retaken to a maximum of six hours.

535 Municipal Law. (3) A. Prerequisite: LAS 211 or director approval. Practical legal problems confronting municipal officials including: government and public official liability, ordinances, tax levies, bonding, zoning, soliciting, licensing, open meetings, personnel, cut-back management, elections, and other issues.

GRADUATE COURSE

735 Municipal Law. (3) A.

DEPARTMENT OF HISTORY

D. Sefton, Chair; Berge, Coe, Ellis. N. Forderhase, R. Forderhase, Graybar, Mutersbaugh, Odom, Robinson, Stebbins.

A major in history prepares a student for a wide variety of careers including civil service, social work, law, journalism, politics, radio, television, and advanced graduate study leading
to college teaching or library work. In addition, business leaders indicate that they frequently give strong consideration to history majors for training programs leading to executive positions.

Combined with a teaching certificate, a major in history provides an excellent basis for teaching social studies on the secondary level, or pursuing advanced teaching degrees.

Graduating high school seniors who are interested in the relationship between ideas and events, are curious why certain things happen, and are concerned with human achievements through the years should consider history as a major area of study.

History
MAJOR (BACHELOR OF ARTS)

Major Requirements .............................................. 30 hours

His 202, 203, 448, and 449; 18 upper division hours with a minimum of three hours in each of the following areas:

Area I (U.S. early): His 300, 401, 403, 405, 500, 502, 507, 508, or 530.

Area II (U.S. recent): His 300, 413, 433, 500, 511, 512, or 531.

Area III (Europe): His 300, 336, 339, 340, 345, 346, 347, 500, 527, 549, or 552.

Area IV (Non-Western): His 300, 363, 365, 374, 383, 500, or 585.

The remaining six hours of upper division history courses may come from any of the above areas or from other upper division history courses.

General Education Requirements .......................... 46 hours

Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ................................. 9 hours

Cso 100; eight hours of restricted electives.

Free Electives .................................................. 43 hours

At least three hours of one foreign language is strongly recommended. Students who plan to pursue a graduate degree are strongly encouraged to take at least six hours of a foreign language.

Total Curriculum Requirements.......................... 128 hours

History (Teaching)
MAJOR (BACHELOR OF ARTS)

Major Requirements .............................................. 30 hours

Same as history major without teaching.

Minor or Related Courses .................................... 18-21 hours

Teacher Education Requirements .......................... 28 hours

Edf 102, 202, 317, Epy 318, Ese 449, 498, and 499.

General Education Requirements .......................... 46 hours

Same as history major without teaching.

University Requirements .................................. 9 hours

Cso 100; eight hours of restricted electives.

Total Curriculum Requirements.......................... 128 hours**

* *A student who majors in history may minor in a related discipline if desired. If not, the student will elect 18 hours of related courses drawn from non-history disciplines. Neither a minor nor related courses are required for a non-teaching major.

**Careful selection of minor courses is required to stay within the 128 hour total.

MINOR IN HISTORY

Students majoring in other disciplines may minor in history by completing the following courses: His 202 and 203; His 231 or Gss 246; His 232 or Gss 247; and nine hours upper division history electives.

SECOND MAJOR IN HISTORY

A student may complete a second major in history by completing the major requirements listed above.

HISTORICAL PRESERVATION EMPHASIS

History majors who wish to improve their prospective employment possibilities are strongly advised to take the following Historical Preservation core: His 301, 308, 309, 539, Iet 311, and three hours from Area II of the history curriculum. Courses counting toward the student’s major may not be counted toward this area.

GRADUATE PROGRAMS

The Department of History offers the Master of Arts with thesis and without thesis and cooperates with the College of Education in offering course work for a Master of Arts in Education (Secondary Education-History). The regulations for the degree may be found in the College of Education section of the Graduate Catalog.

Course Descriptions

HIS—History

110 Special Studies in History: ______ (1-3) A. Individual research and/or reading in an area of history, primarily designed for qualified high school juniors and seniors. Approval of project by faculty supervisor and department chair required prior to enrollment. Does not count toward history major requirements.

202 American Civilization to 1877. (3) A. Transition from colonial to independent republic; social, cultural and economic institutions derived from agrarian conditions; the influence of European foundations. Required of all majors and minors in history. Gen. Ed. 10.

203 American Civilization since 1877. (3) A. Conflicts between demands of an industrial society and agrarian values; interrelationships between world expressions and American experience. Required of all majors and minors in history. Gen. Ed. 11.

231 Western Civilization I. (3) A. Ancient Greece to the industrial revolution; institutions, ideas, and social and economic relationships basic to the modern world. Credit will not be awarded for both His 231 and Gss 246. Gen. Ed. 10.

232 Western Civilization II. (3) A. Industrial revolution to present; transformation of cultural background through ideas, science, and industry, development of current western civilization. Credit will not be awarded for both His 232 and Gss 247. Gen. Ed. 11.

298 Ideas and the Human Experience. (3) A. Not applicable as history elective. Basic concepts in Western heritage through the Enlightenment; reading and discussion of selections from great books and documents. Contains a creative component. Gen. Ed. 07 or 08.

299 Ideas and the Human Experience. (3) A. Not applicable as history elective. Basic concepts in modern world heritage from the Romantic Era to the present, reading and discussion of selections from great books and documents. Contains a creative component. Gen. Ed. 07 or 08.

300 Topics in History: ______ (3) A. Movements in history that have influenced and continue to influence the course of culture and civilization. May be retaken to a maximum of six hours provided topics vary.
DEPARTMENT OF
PSYCHOLOGY

R. Adams, Chair; Beal, Brubaker, Davidson, Enzie, S. Falkenberg, V. Falkenberg, Flanagan, Hindman, Lorden, MacDonald, Mercer, Riggs, Shuntich, Watkins.

The Department offers programs of instruction leading to a degree in psychology (teaching or non-teaching). Students with a degree in psychology have found positions in a wide variety of careers in professional psychology, research, government services, industry, and teaching. A degree in psychology also prepares students for advanced study in graduate school.

Requirements for the major or minor are designed to allow some flexibility so that each student may emphasize those areas best suited to that student’s needs, interests, and goals. The following programs are offered:

Psychology
MAJOR (BACHELOR OF SCIENCE)

Major Requirements ...........................................33 hours
PSY 201, 202, 291, 301 and 401. In addition, one course must be taken from each of the following groups:
(1) PSY 300, 305, 308, 312, 314, or 404.
(2) PSY 302, 319; 402, 405, 406; or 490.
(3) PSY 311, 313, or 315.
In addition, the student must take nine hours of PSY electives, at least six of which must be upper division.

General Education Requirements ..............................46 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ....................................9 hours
CSO 100; eight hours of restricted electives.

Free Electives ..................................................40 hours

Total Curriculum Requirements ...............................128 hours

Psychology (Teaching)
MAJOR (BACHELOR OF SCIENCE)

Major Requirements ...........................................33 hours
PSY 201, 202, 291, 301 and 401. In addition, one course must be taken from each of the following groups:
(1) PSY 300, 305, 308, 312, 314, or 404.
(2) PSY 302, 319; 402, 405, 406; or 490.
(3) PSY 311, 313, or 315.
In addition, the student must take nine hours of PSY electives, at least six of which must be upper division.

Minor ..........................................................21 hours
An approved 21-hour teaching minor or an approved second major is required.

Teacher Education Requirement ............................28 hours
EDF 102, 202, 317, EPY 318, ESE 449, 498, and 499.

General Education Requirements ............................46 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ....................................9 hours
CSO 100; eight hours of restricted electives.
Total Curriculum Requirements ...............................128 hours*
*Careful selection of minor courses is required to stay within the 128 hour total.

MINOR IN PSYCHOLOGY

Requirements for a minor are PSY 201 and 202 plus electives in psychology to total 18 hours. A teaching minor must total 21 hours.

SECOND MAJOR IN PSYCHOLOGY

Specific courses and minimum total hours required are the same for a first or a second major in psychology.

GRADUATE PROGRAMS

The Department of Psychology offers the Master of Science degree in clinical and a Specialist in Psychology (Psy.S.) in school psychology.

Degree and admission requirements may be found in the Social and Behavioral Sciences section of the Graduate Catalog. Students earning the M.S. in clinical psychology are prepared for certification and positions as therapists in settings such as mental health (comprehensive care) centers and state hospitals. Students earning the Psy.S. in school psychology are prepared for certification and provision of a wide range of services in schools and school-related settings. Students from either of the programs often continue to the doctoral degree at other institutions.

The Department also cooperates with the College of Education in offering course work for a Master of Arts in Education with an option in psychology. Requirements for this degree may be found in the College of Education section of the Graduate Catalog.

Course Descriptions

PSY—Psychology

201 Psychology as a Natural Science. (3) I, II. Introduction to the basic concepts of psychology closely related to the natural sciences, such as basic methodology, psychophysiology, sensation, perception, consciousness, learning, memory, cognitive processes, motivation, and emotion.

202 Psychology as a Social Science. (3) I, II. Introduction to concepts of psychology related to the social sciences, such as human development, learning, individual differences, personality development, adjustment, abnormal behavior, psychotherapy, social psychology, and applied psychology.

210 Psychology of Adjustment. (3) A. Designed for the person with little or no previous training in psychology, describing the origins of and possible ways of dealing with typical adjustment problems of childhood, adolescence, marriage, parenting, careers, and old age.

280 Life Span Developmental Psychology. (3) I, II. Prerequisite: PSY 201 or 202 or instructor approval. A survey of theory and research
in developmental psychology across the entire lifetime span. Credit will not be awarded for both PSY 280 and PSY 312.

291 Psychology: Statistical-Experimental I. (4) I, II. Prerequisite: PSY 201 or 202 or instructor approval. Introduction to techniques and problems of the experimental method and statistical analysis in psychology. Representative experiments and data analysis. Credit will not be awarded for both PSY 291 and ECO 220, HEA 450, PAD COR 400, STA 208/209/210, or STA 270.

300 Social Psychology. (3) A. Prerequisite: PSY 201 or 202 or instructor approval. Study of contemporary institutions and problems such as prejudice, affection and love, altruism, aggression, and small group behavior. Contemporary theory and research are included. Gen. Ed. 12.

301 Psychology: Statistical-Experimental II. (3) A. Prerequisite: PSY 291. Continuation of PSY 291. Credit will not be awarded for both PSY 301 and ECO 320, STA 271, or STA 500.

302 Tests and Measurements. (3) A. Prerequisite: PSY 201 or 202 or instructor approval. Principles of measurement with application to informal and standardized tests used in education, business, industry, and government. Credit will not be awarded for both PSY 302 and EPY 412 or EPY 816.

305 Psychology of Personality. (3) A. Prerequisite: PSY 201 or 202 or instructor approval. Basic approaches to the study of personality theory and fact upon which these approaches are related to various kinds of behavior patterns.

308 Abnormal Psychology. (3) A. Prerequisite: PSY 201 or 202 or instructor approval. Descriptive study of the nature, course, classification and prevalence of abnormal behavior, with attention to intellectual, personality, cognitive, sensory, and motor functions.

311Physiological Psychology. (3) A. Prerequisite: PSY 201 or 291 or instructor approval. Facts, concepts, and principles regarding physiological events that underlie behavior. Attention to contemporary research methods and problems underlying study.

311L Physiological Psychology with Lab. (4) A. Prerequisite: PSY 291 or instructor approval. Facts, concepts, and principles regarding physiological events that underlie behavior. Attention to contemporary research methods and problems underlying study. 3 Lect 2 Lab.

312 Developmental Psychology I. (3) A. Prerequisite: PSY 201 or 202 or instructor approval. Theoretical and empirical approaches to the development of the infant and child with attention to perceptual, behavioral, social, and cognitive development and the capacity for learning. Credit will not be awarded for both PSY 312 and PSY 280.

313 Learning. (3) A. Prerequisite: PSY 201 or 291 or instructor approval. Experimental study of learning, transfer and retention processes with an analysis of various kinds of learning.

314 Developmental Psychology II. (3) A. Prerequisite: PSY 201 or 202 or instructor approval. Developmental study with emphasis on changes during adolescence, adulthood, aging and senescence.

315 Sensation and Perception. (3) A. Prerequisite: PSY 201 or 291 or instructor approval. Experimental study of sensation and perception, the sensory and cognitive processes by which we come to know our world.

315L Sensation and Perception with Lab. (4) A. Prerequisite: PSY 291 or instructor approval. Experimental study of sensation and perception, the sensory and cognitive processes by which we come to know our world. 3 Lect 2 Lab.

319 Organizational Psychology. (3) A. Prerequisite: PSY 201 or 202 or instructor approval. Human factors in the organizational patterning of business, industry, and other institutions.

349 Cooperative Study: Psychology. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate, sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit. Credit not applicable toward major or minor. Graded Pass-Fail.

355 Affection and Aggression. (3) A. Prerequisite: PSY 201 or 202 or instructor approval. Theoretical and research perspectives on the topics of attachment, bonding, liking, love and sexuality. Also an exploration of the theories and empirical findings in the domains of aggression and violence.

397 Topics in Psychology. (3) A. Prerequisite: to be announced. Selected topics for study. Variable topics across semesters in terms of student interest and available faculty. May be retaken, provided the subject matter differs each time.

401 Senior Research Lab. (2) I, II. Prerequisite or Corequisite: PSY 301 or instructor approval. Design, execution, and writing of a supervised independent research project.

402 Industrial Psychology. (3) A. Prerequisite: PSY 201 or 202 or instructor approval. Methods and principles of psychology as applied to business and industry. Emphasis is on employee selection, classification, training, and evaluation.

404 Motivation and Emotion. (3) A. Prerequisite: PSY 291 or instructor approval. Study of biological and learned variables in motivated behavior including reflexes, instincts, imprinting, emotion cognitive and other neurophysiological phenomena.

408 Psychological Interviewing and Reporting. (3) A. Prerequisite: 12 hours in psychology or instructor approval. Principles and techniques of interviewing and case reporting, with emphasis on applications in human services and personnel work.

406 Introduction to Behavior Therapy. (3) A. Prerequisite: 12 hours of psychology or instructor approval. Principles and techniques of applying behavioral principles in the analysis of complex human behavior. Emphasis is placed on methods of observing behavior and analyzing functional relationships between behavior and environment.

407 Problems in Psychology. (1-3) I, II. Prerequisite: student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Results must be presented in a formal paper. May be retaken to a maximum of six hours provided different problems are studied.

480 Clinical Psychology. (3) A. Prerequisite: PSY 201 or 202 or instructor approval. Survey of clinical theories, methods and approaches.

501 Theories of Learning. (3) A. Prerequisite: PSY 291 or instructor approval. In-depth study of learning theories. Emphasis on contemporary developments and current research.

597 Advanced Topics in Psychology: . . . (3) A. Prerequisite: PSY 201 or 202 and instructor approval. Selected topics for advanced study. Topics vary across semesters depending on student interest and available faculty. May be retaken, provided the subject matter differs each time.

GRADUATE COURSES

701 Theories of Learning. (3) A.
797 Advanced Topics in Psychology: . . . (3) A.
802 Seminar in Developmental Psychology. (3) A.
820 Statistics and Research Design. (3) A.
823 Normal Personality and Preventive Mental Health. (3) A.
824 Intellectual Assessment. (3) A.
825 Personality Assessment. (3) A.
826 Professional Concerns. (1) A.
830 Social Processes and Development. (3) A.
840 Learning, Memory and Cognition. (3). A.
841 Abnormal Behavior. (3) A.
843 Practicum. (3) A.
846 Behavioral Therapy. (3) A.
848 Introduction to School Psychology. (3) A.
849 School Psychology Interventions. (3) A.
850 Psychotherapy and Behavior Change I: Basic Techniques. (3) A.
853 Psychophysiology. (3) A.
860 Psychotherapy and Behavior Change II: Advanced Techniques and Theories. (3) A.
862 Research in Professional Psychology. (3) A.
865 Psychological Consultation. (3) A.
871 Group and Family Interventions. (3) A.
881 Advanced Children's Assessment. (3) A.
887 Independent Work in Psychology. (1-3) A.
888 Master's Research Project. (3) A.
890 Thesis Research. (1-8) A.
898A,B Internship in School Psychology. (6) A.
899A,B Internship in Clinical Psychology. (6) A.
The primary objective of the General Studies Social Science (GSS) program is to help students understand our contemporary world. In a sequence of four courses the program surveys the evolution of human societies, emphasizing the acceleration of social and cultural change toward a global system since the Industrial Revolution. The GSS program is interdisciplinary; students learn to interpret the present by using terms, concepts, and principles from the various social sciences to analyze the development of societies in an historical framework. The program focuses on the broad experience of all humankind, not on one period of time or on one country or region.

Students analyze the major stages of humankind’s social and cultural evolution — that is, the change from a hunting to an agrarian to an industrial pattern of life. They examine when and how each great transformation occurred, the limitations and opportunities facing humankind at each stage, and the significant differences in the three patterns. Knowledge of the major stages and patterns gives students a framework for organizing significant facts about societies in general. Through this approach students become aware that many of the world’s problems today originated in preindustrial times — that societies have attempted to apply preindustrial solutions to problems of the industrial age. The program helps students acquire the global outlook necessary for living in today’s highly interdependent world.

Course Descriptions

GSS—Social Science

142 Introduction to Social Science. (3) I, II. Focuses on the emergence of humankind, the development of culture, and the causes of social and cultural change. Analyzes hunting societies in prehistoric times, the Agricultural Revolution, and the emergence of the first civilizations. Gen. Ed. 09.

246 Preindustrial World Civilizations. (3) I, II. Analyzes the pattern of agrarian civilizations by examining societies in India, China, the Middle East, and Europe. Explores why industrialism developed first in Europe. Credit will not be awarded for both GSS 246 and HIS 231. Gen. Ed. 10.


250 Ideologies and Institutions of Contemporary Society. (3) A. Analyzes the major ideologies and institutions of the 20th Century, such as liberalism, socialism, and nationalism. Examines American and Soviet economic and political systems and their impact on one another. Gen. Ed. 12.

280 Selected Topics in Social Science: ______. (1-3) A. Prerequisite: three hours social or behavioral science. Explores one contemporary global issue including its historical background, present status, and likely future developments. May be retaken to a maximum of three hours if topics are different.

300 Global Challenge and Response. (3) I, II. Examines global issues which affect both Industrial and Third World nations today, such as the population explosion, environmental degradation, and the arms race. Emphasizes student discussion. Based on perspective developed in previous GSS courses. Gen. Ed. 12.
THE GRADUATE SCHOOL
VIRGINIA FALKENBERG, DEAN

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DEGREES AND PROGRAMS
The Graduate School, in cooperation with the College of Applied Arts and Technology, the College of Arts and Humanities, the College of Business, the College of Education, the College of Health, Physical Education, Recreation and Athletics, the College of Law Enforcement, the College of Natural and Mathematical Sciences, and the College of Social and Behavioral Sciences, offers the following degree programs and options:

College of Applied Arts and Technology
Master of Science degree
Community Nutrition
Industrial Education
with options in:
  teaching and vocational administration
  Industrial Technology

College of Arts and Humanities
Master of Arts degree
English
Master of Music degree
with options in:
  choral conducting, performance, and theory/composition

College of Business
Master of Business Administration degree

College of Education
Master of Arts in Education degree
Communication Disorders
Counseling
with options in:
  elementary and secondary
Elementary Education
with options in:
  early childhood, gifted/talented, and reading
Secondary Education
with options in:
  agriculture education, allied health sciences, art, biology, business education, chemistry, earth science, English, French, general science, geography, gifted/talented, history, home economics, industrial education, mathematics, physical education, physics, political science, psychology, reading, school health, sociology, and Spanish

Special Education
with options in:
  hearing impaired, learning and behavior disorders, and trainable mentally handicapped

Master of Arts degree
Industrial and Community Services Counseling
Student Personnel Services in Higher Education

Master of Music Education degree
Specialist in Education degree
Educational Administration and Supervision
Elementary Education
Physical Education
School Counseling
Special Education
Student Personnel Services in Higher Education

Fifth and Sixth Year Certification for Teachers and School Service Personnel
  Pupil Personnel
  Elementary and Secondary Counseling
  Early Elementary, Middle Grade, and Secondary School Principal
  School Business Administration
  Director of Special Education
  School Psychology
  School Superintendent
  Supervisor of Instruction
  Teacher Certification
  Joint Doctoral Program in Education
(Joint Ed.D. programs are offered cooperatively with the University of Kentucky)

College of Health, Physical Education, Recreation and Athletics
Master of Science degree
Physical Education
with option in:
  sports administration
Recreation and Park Administration

College of Law Enforcement
Master of Science degree
Criminal Justice
with options in:
  corrections and juvenile services, police administration, and loss prevention administration
APPLICATION TO THE GRADUATE SCHOOL

Admission to the Graduate School at Eastern Kentucky University is based upon evidence that the applicant has already attained a certain minimal academic proficiency and will be able to pursue creditably a program of graduate study in a given field. Applicants must assume responsibility for filing complete admission data with the Office of the Graduate School including the following materials:

Application Form—Each student must submit a completed, signed application form with all requested information provided. Forms are available upon request from the Graduate School. There is no application fee.

Transcripts—Two official copies of transcripts of all previous college/university credits showing all grades received and any degrees or certificates that have been awarded must be provided by each applicant. An official transcript must bear the seal and signature of the registrar from the sending institution. Graduates from all schools other than Eastern Kentucky University should contact their registrar(s) and request that official copies of their transcripts be forwarded directly to the Graduate School Office, Eastern Kentucky University, Coates Box 5-A, Richmond, KY 40475-3101. Students seeking admission must be graduates of a fully accredited four year institution of higher learning authorized to grant the baccalaureate degree.

Graduate Record Examination—All applicants for admission to degree programs (except MBA) must submit satisfactory official score reports from the general section of the Graduate Record Examination (GRE) at the time of application for admission to graduate studies. Certain domestic students who have not had a prior opportunity to take the GRE may be admitted provisionally for one semester provided they take the test during their initial semester as a graduate student. Some programs require area scores in the subject field in addition to the general section of the exam. Students who are applying for a Master of Business Administration degree must provide official scores on the Graduate Management Admission Test (GMAT). Applications to take these exams must be sent to Educational Testing Service, CN 6000, Princeton, New Jersey 08541-6000. Application forms are available in the Graduate School office. It is the student’s responsibility to apply for and take the examination(s) and to have the official scores sent to the Dean of the Graduate School, Eastern Kentucky University, Coates Box 5-A, Richmond, KY 40475-3101.

Letters of Recommendation—Applicants for degree programs should solicit three letters of recommendation from previous teachers and request that they be mailed to the Graduate School office as soon as possible. Applicants for assistantships may not be considered until letters are on file and certain programs will withhold admission until letters have been received. Please refer to program areas for specific requirements regarding letters of recommendation.

TYPES OF GRADUATE ADMISSION

Domestic students may be admitted to graduate study in any one of several categories:

Clear Admission

Applicants who meet the requirements for both general admission to graduate degree study and for a particular program are eligible for clear admission. General requirements for clear admission are:

A. A baccalaureate degree from an accredited institution.

B. An overall undergraduate grade point average (UGPA) of 2.5 or of 2.75 (4.0 = A) on the last 60 semester hours of the baccalaureate program (all hours attempted in the semester in which the 60th hour occurs will be counted).

C. Satisfactory scores on the GRE (minimum 1000 verbal, quantitative, and analytic combined) or on an approved alternate examination.

D. Individual programs may have additional or higher criteria for clear admission.

Provisional Admission

An applicant unable to supply all of the required application materials prior to admission consideration, but who otherwise meets the admission requirements may be granted provisional admission upon the recommendation of the appropriate department and approval of the Dean of the Graduate School. Complete and satisfactory credentials must be received by the Graduate School before the end of the semester in which the student has registered in a provisional status. A student normally will not be permitted to enroll in the Graduate School with a provisional status for more than one semester. Provisional admission does not guarantee, in any way, subsequent clear admission. International students may not be admitted on a provisional basis.

Probationary Admission

An applicant who does not meet conditions B and or C of the admission requirements for clear admission but does show promise for successful graduate study may be granted probationary admission upon the recommendation of the appropriate department and approval of the appropriate academic dean and of the Dean of the Graduate School. Students must be removed from probationary admission prior to registering in any graduate coursework beyond an initial 12 hours. No coursework taken prior to the term of admission may be used on the degree program for students admitted on probationary admission. The minimum condition for transfer from probationary admission status to clear admission status is the successful completion of at least nine hours of graduate coursework at Eastern Kentucky University while maintaining a graduate grade point average of at least 3.0 and with no more than one grade (regardless of the number of course credit hours) of “C” or lower. Special course requirements or other conditions may be imposed by the department, academic dean, and/or the Dean of the Graduate School. The Graduate School will inform the student of all conditions for consideration for clear admission at the time the student is granted probationary admission status.
A student in probationary status may not hold an assistantship or be admitted to candidacy for any graduate degree without first achieving clear admission status. International students may not be admitted on a probationary admission basis.

**Non-Degree Admission**

**General Non-Degree Admission**

An individual wishing to take graduate courses at Eastern Kentucky University for personal or professional development, but who does not plan to pursue a graduate degree program, may be admitted as a non-degree student with the approval of the Dean of the Graduate School. Non-degree students must hold a baccalaureate degree from an accredited institution and must have a minimum overall undergraduate grade point average of 2.0 (4.0 = A).

**Certification Non-Degree Admission**

An individual wishing to take graduate courses as a part of initial or additional certification programs, including Rank II and Rank I classification programs, is eligible for certification non-degree admission.

**Visiting Student Admission**

Because of its unique programs and facilities, faculty, diversified institutes and workshops, Eastern is attractive to many students who have been previously admitted to other accredited graduate schools. In order for a visiting student to be officially enrolled for graduate credit at Eastern, the student must file an application form and submit an official visiting Student Certificate. The Visiting Student Certificate must bear the seal of the Graduate School and the signature of the Graduate Dean where the student has been admitted. Copies of the visiting student forms may be obtained from the Graduate School office.

**Undergraduate Admission**

An undergraduate student who needs nine or fewer credit hours in one semester (three or fewer credit hours in one summer session) to complete all of the requirements of a baccalaureate degree at an accredited institution may be allowed to register for graduate credit work under the conditions described below.

All work for undergraduate credit will be completed during that semester or summer session. The total registration for all work will not exceed 12 credit hours in a semester (six credit hours in a summer session). All work to be counted for graduate credit must be approved in advance of registration by the graduate program advisor, the student's undergraduate college dean, and the Dean of the Graduate School.

Approval forms for Undergraduate Graduate Concurrent Enrollment may be obtained from the Graduate School office. The student must make application to the Graduate School and meet all pertinent conditions for admission. Graduate credits earned must not be used to meet undergraduate requirements.

**Undergraduate Honors Admission**

An Eastern undergraduate student who needs 30 or fewer credit hours to complete all of the requirements of the baccalaureate degree may be considered for undergraduate honors admission to the Graduate School to enroll in graduate coursework or be considered for special provisional admission to a graduate degree program. To be eligible for undergraduate honors admission, the student must have an overall undergraduate grade point average of at least 3.5 at the time of admission. The student must maintain an overall undergraduate grade point average of at least 3.5 and a graduate grade point average of at least 3.0 to continue in the honors program.

Students who wish to be considered for provisional admission to a graduate degree program are advised to take the GRE during their junior year or during the first semester they hold undergraduate honors admission status. Students may earn a maximum of 12 graduate credit hours while holding undergraduate honors admission status. A maximum academic load of 15 hours during a regular fall or spring semester and of nine hours during the summer session is permissible when the student is concurrently enrolled in graduate and undergraduate level coursework.

Application for undergraduate honors admission should be initiated by the student by completing an Application to the Graduate School at least 30 days prior to requesting enrollment in any graduate classes. Undergraduate honors admission to the Graduate School must be supported by all appropriate advisors and college deans, as well as the Dean of the Graduate School.

**Senior Citizens Admission**

A senior citizen (65 years or older) who holds a bachelor's degree from an accredited institution may be granted special provisional admission to a degree program. Upon the completion of nine graduate credit hours with a minimum grade point average of 3.0, the student may be considered for clear admission to that degree program.

**INTERNATIONAL STUDENT ADMISSION**

International students who meet specific program requirements and for whom Eastern has appropriate programs at the graduate level are invited to make application. Such applications must be supported by satisfactory evidence of their qualifications to pursue a full course of study at this institution. Applications for admission of international students are not considered complete without official transcripts showing grades and degree(s) awarded, official Test of English as a Foreign Language (TOEFL) scores, official scores on the verbal, quantitative and analytic portions of the Graduate Record Examination (GRE), Declaration and Certification of Finances and three letters of recommendation. Students who are applying for a Master of Business Administration program must provide official scores on the Graduate Management Admission Test (GMAT). Each of these examinations is given in a large number of centers throughout the world. Specific information on center locations, test dates, fees, and application materials should be requested from Educational Testing Service, CN 6000, Princeton, New Jersey 08541-6000, U.S.A.

International students should apply several months in advance of their expected attendance date. Appropriate I-20 forms will be issued after all official credentials have been received and the completed application has been reviewed and approved by the major department. The U.S. Immigration and Naturalization Service requires certification that all standards for admission have been met before the I-20 form is issued. International students are required to complete their admissions procedures at least 30 days prior to the term in which they expect to enter.

**GENERAL INFORMATION**

Eligibility for admission to the Graduate School does not ensure admission to a specific graduate program. Some programs may have additional requirements beyond the university minimums. All students who intend to pursue a particular graduate program should refer to the specific program requirements listed in the college and/or department section of this Catalog.

All programs assume certain formal and informal prerequisites. Normally any deficiencies in preparation must be resolved during the first enrollment.

Attendance in The Graduate School at Eastern Kentucky University is not a right. It is a privilege which may be withdrawn by the University or any area of graduate study if it is deemed necessary by the Dean of The Graduate School in order to safeguard the University’s standards.
The Graduate School reserves the right to withdraw without credit or refund any student for whom application is incomplete at the end of the first enrollment.

Student Responsibilities
It is the student’s responsibility to become familiar with all regulations and procedures required by the graduate program being pursued. In no case should a student expect waiver or exception to published program requirements by pleading ignorance to the regulation or asserting that an advisor or other authority did not directly present the information. All students should become familiar with the general academic information section of the Graduate Catalog and the specific college/departmental program requirements. Only the Graduate Council has the authority to waive the basic requirements stated in this Catalog. No statements made by any person regarding waiver of admission-program requirements shall in anyway bind the Graduate Council.

Program Planning
Along with admission to the Graduate School, each student shall be assigned an advisor by the department offering the degree program into which the student plans to matriculate. The student shall take the initiative to become familiar with the objectives of his/her particular degree program and pertinent regulations, as they are described in the Catalog, prior to scheduling a conference with the assigned advisor. Discussion of the student’s personal and program objectives should take place prior to the first registration. When prior conferring is not possible, the student may obtain approval for work during his/her registration term in writing or on registration day.

During the first term, the student must meet with his/her advisor to develop a planned program. The advisor will promptly submit a copy of the program plan to be approved by the department chair, the college dean, and the graduate dean. Students for whom program plans have not been appropriately filed will not be eligible for a second registration. Subsequent changes of the program plan are permissible, but must be approved on the appropriate form by the advisor, the department chair, the college dean, and the graduate dean.

Registration
Graduate students should register on the dates stipulated in the University calendar. Registration materials should be obtained from the office of the Graduate School. The advisor should approve and sign the registration form. The advisor and student bear responsibility for courses scheduled, subject to the policies and approval of the Graduate School. The student is responsible for clearance of motor vehicle, housing arrangements, and payments of all fees and assessments in accordance with prevailing University policy.

Students with interruptions of study on campus who wish to participate in registration should notify the Graduate School of their plans to continue study, furnishing full names and Social Security numbers, at least two weeks in advance of the published registration dates.

Change of Schedule
The University reserves the right to cancel a course when the registration is not sufficient to warrant its continuance, to divide classes if the enrollment is too large for efficient instruction, and to change instructors when necessary. Additional courses will be organized if the demand is sufficient.

The Graduate School reserves the right to suspend or alter registration orders not in consonance with the individual’s planned program or in the instance of closed or cancelled sections. Program modifications should be accomplished through the regular drop-add procedure on the dates designated.

Withdrawal From The University
Students who find it necessary to leave the University under any conditions must officially withdraw through the Registrar's Office. Students not officially withdrawing shall receive grades of "F" for the semester’s course load.

Academic Load
A maximum academic load of 15 hours is considered permissible during the regular fall or spring semester for exceptional graduate students. Graduate assistants are permitted to carry a maximum course load of 12 hours and a minimum load of nine hours of graduate work toward their program. During the summer session, nine hours are considered maximum. Various combinations of workshops, short term courses, and regular summer courses are permissible provided the total does not exceed 12 hours for summer and intersession combined. Any exceptions to maximum load limits stated must be made by the Dean of the Graduate School. Maximum hour limitation includes all courses taken whether they are on-campus, off-campus, graduate, undergraduate, or audit credit.

A minimum academic load of six semester hours of credit shall be regarded as full-time during an eight week summer term and a minimum of nine hours of such credit shall be regarded as a full academic load during a regular fall or spring semester.

During any regular fall or spring semester, an academic load of six graduate hours is considered the maximum permissible for any student who is employed on a full-time basis during that semester. Any graduate student found to be in violation of this policy will not be permitted to use any credits beyond the six hours limitation toward fulfillment of any program or degree requirements at Eastern Kentucky University.

Transfer of Credit
Candidates for the master’s and specialist’s degrees are restricted to a maximum of nine semester hours of credit by transfer of work completed at another accredited graduate institution. Official copies of transcripts must be submitted and evaluated before any transfer credit can be accepted. Certain courses submitted for transfer may not be considered equivalent to specified program requirements even though course titles are the same. Official requests for transfer of credits must be recommended by the student’s advisor, the department chair, the college dean, and approved by the Graduate Dean. Students who expect to transfer credits to meet program requirements at EKU should obtain official approval prior to registration for transfer courses. Official transcripts of approved transfer credits must be submitted to the Graduate School Office, Eastern Kentucky University, Coates Box 5-A, Richmond KY 40475-3101 at least two weeks prior to program completion. Transfer credits taken during the final semester of a program will delay graduation and certification approval until official transcripts have been received in the Graduate School Office.

Graduate credits received from professional schools (law, medicine, dentistry, pharmacy, etc.) may be considered for transfer. If any credit is transferred, all graduate and professional coursework taken at that institution will be calculated in the student’s overall graduate GPA. When no credit is transferred, grades from professional schools will not be included in graduate or undergraduate GPA calculations.

Credits earned at other institutions may be transferred only when grades of “B” or better have been earned.

After the first nine semester hours of graduate coursework have been successfully completed at EKU (3.0 overall graduate GPA), a student may petition their advisor, chair, dean, and graduate dean to exclude prior graduate coursework in the student’s overall graduate grade point average. On approval of this exclusion, no previous grades from institutions cited in the petition will be calculated in the student’s overall graduate GPA at EKU. Such an exclusion will not apply to institutions from which any course has been transferred for credit toward the student’s graduate degree requirements.
DEGREE COMPLETION REQUIREMENTS

Admission to Candidacy

Admission to candidacy for a degree program is a function of the department's consideration of the student's potential for matriculation into a degree program based on his/her performance at the graduate level, and represents a stage beyond admission to the Graduate School. Students must be admitted to candidacy to be considered eligible for the master's degree. A copy of the admission to candidacy for the student shall be submitted by his/her advisor to be approved by the department chair, the college dean, and the graduate dean as soon as possible but no later than the third week of the semester in which the student is enrolled in any of the last 12 hours of his/her degree program. A student will not be eligible to graduate in the same semester the student is admitted to candidacy unless that student is completing the program within two consecutive semesters. A permanent committee will be assigned on approval of candidacy. Subsequent changes of the committee are permissible, but must be approved on the appropriate form by the advisor, the department chair, the college dean, and the graduate dean. Admission to candidacy must be completed prior to scheduling of the comprehensive examination(s) or thesis defense.

All conditions for admission to the Graduate School and any prerequisites must have been satisfied before the candidacy application may be approved. Graduate Record Examination scores for the combined general tests and the departmental requirements for subject tests shall have been satisfactorily met. Master of Business Administration (MBA) candidates must have satisfactorily completed the Graduate Management Admissions Test. No student shall become an approved candidate without a minimum overall and program graduate grade point standing of 3.0. No graduate credit shall be granted for a grade below "C." Students may repeat a course to improve standing only with explicit permission of their advisor and the Dean of the Graduate School.

When the candidacy is approved, the student is notified that he/she is a candidate for the degree program. After becoming a candidate, students are eligible to file applications for graduation. Applications for graduation must be received in the Graduate School prior to the semester in which the program completion is expected. Graduation application forms are available upon request from the Graduate School office. Refer to the following section for complete details concerning applications for graduation.

DEGREE COMPLETION REQUIREMENTS

Application for Graduation

A student planning to receive the master's or specialist's degree in May should apply before the end of the preceding fall semester. Candidates for the August Commencement should apply not later than the beginning of the spring semester. December graduates should apply for graduation no later than the beginning of the summer semester. Applications should be filed in the office of the Graduate School. Fees are to be paid at the Business Office and receipts presented in the office of the Graduate School at the time the applications are filed.

Students will be considered candidates for graduation only if they have an overall and program graduate grade point average of 3.0 or higher at the beginning of the term in which they wish to graduate.

Language Requirements

In graduate programs requiring competence in a foreign language, the requirement may be met in one of three ways: 1) twelve hours of college credit in an appropriate language may be accepted; 2) a reading examination may be taken covering material appropriate to the discipline; 3) achievement of a grade of "B" in a designated course will be accepted as meeting the requirement.

Students must satisfy the language requirement prior to scheduling of the comprehensive examinations. Certain programs may require statistical competencies in lieu of a foreign language requirement.

Time Requirements

A graduate student is expected to complete requirements for the master's degree no later than seven years after beginning coursework (e.g., a student whose initial registration for courses was fall 1989 must complete the program in order to include this coursework by the end of the summer term 1996.) The minimum time interval required for completion of a graduate degree shall be two semesters of full-time study.

The Graduate Council in recognition of the importance of assisting and safeguarding the student's right to due process will consider requests for waiver of the above stated requirement upon the recommendation of the student's advisor, the department chair, the college dean, and the Dean of the Graduate School.

Minimum Hours Required

All master's degree programs and specialist's degree programs require a minimum of 30 semester hours each. Some programs require additional hours that exceed this minimum. At least half the coursework required for a master's degree program must be satisfied with courses open only to graduate students (800 level). All credit applied to the Ed.S. degree must be in courses numbering 800 and above.

Master's Thesis Or Specialist's Project

Students who submit a thesis in partial fulfillment of the master's or specialist's degree must prepare it in conformity with the regulations approved by the Graduate Council. Two approval pages bearing original signatures of the graduate
committee must be included with two typewritten, clear, unbound copies of the thesis and presented to the Graduate School office at least two weeks prior to Summer Commencement and three weeks prior to the end of the fall and spring semesters. These two copies are bound and become the property of the University Library. If any additional bound copies are desired by the student or the department, they should be presented directly to the Library or a commercial bindery.

Theses must be on paper of at least 50 per cent rag or cotton fiber content and must be in a form acceptable to the Graduate School. Instructions for the preparation of theses should be obtained from the Graduate Office before the thesis is typed.

Theses must be developed under the direction of a full member of the Graduate Faculty.

**Comprehensive Examination(s)**

All candidates shall perform satisfactorily on a written and/or oral examination of the contents of their program of studies and/or the defense of their thesis. Particulars are specified by program. Comprehensive examinations are not to be given prior to admission to candidacy. Comprehensive examinations are scheduled after application for a degree has been filed and evidence exists indicating that the student should complete all degree requirements. Committee chairs should file the Schedule of Oral/Comprehensive Examination in the Graduate School office with copies to the student and committee members at least two weeks prior to the comprehensive examination.

Committee chairs shall certify satisfactory completion of the comprehensive examination to the Dean of the Graduate School no later than ten days in advance of Commencement.

A review period of not less than 60 days nor more than one year is required of candidates who fail the comprehensive examination initially. Additional courses or thesis work may be required of a failing student. Comprehensive examinations may not be retaken more than once for the master’s or specialist’s degrees.

**SECOND MASTER’S DEGREE REQUIREMENTS**

Students desiring to pursue a second master’s degree at Eastern Kentucky University shall have completed all requirements for the first master’s degree at Eastern or another accredited university. In general, the same basic requirements for general admission, admission to candidacy, and other conditions previously stated in this catalog relative to the first master’s degree are also applicable to the second degree with the following exceptions:

1. A maximum of 12 semester hours of completed graduate work from the first master’s degree may be applied toward the second degree if such courses are within the seven year time limit, are appropriate for the second program and are approved.

2. If the second master’s degree involves certification (e.g., the Master of Arts in Education degree), all requirements for the certificate must be met prior to admission to candidacy.

Candidates for a second master’s degree should file application for admission to graduate school and identify their second program prior to registration for additional coursework. The student should then contact the assigned advisor from the department offering the second program and plan a complete program of studies. Individual programs have specific requirements which must be met before pursuing a second master’s degree. Normally, any deficiencies in preparation for a second master’s degree must be resolved during the first enrollment.

**SPECIALISTS DEGREE REQUIREMENTS**

The University offers advanced graduate work leading to the Specialist’s degree. Beginning graduate students interested in two-year programs with special preparation for teaching or professional service opportunities in post-secondary technical school, junior or senior colleges should seek early advice in order to assure proper program development.

Candidates for specialist degrees must possess an overall undergraduate grade point average of at least 2.5.

Candidates for specialist degree status must offer an overall graduate grade point average of 3.3.

Students should refer to the appropriate college/department section for specific admission and program requirements.

Twelve hours of coursework must be completed prior to graduation after admission to candidacy for the degree.

**JOINT DOCTORAL PROGRAMS**

Eastern Kentucky University, in cooperation with the University of Kentucky, offers joint doctoral programs in education and biological sciences. Qualified graduate students who have completed their master’s programs at Eastern have an opportunity to continue with a joint doctoral program in these three areas. The final doctoral degree is awarded by the University of Kentucky.

Admission to the program is considered by a joint screening committee selected from faculty representing the two institutions.

The candidate may continue in residence at Eastern Kentucky University completing a maximum of 30 semester hours beyond the master’s degree prior to transfer to the University of Kentucky.

Throughout the program term, the student shall be enrolled in both schools but will pay fees only to the resident University.
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1989-90
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Pamela L. Waltermire, AA ........................ Programmer Analyst
Fay Young ............................... Computer Operator
** ...........................................  Director, J. T. Dorris Museum

**The J. T. Dorris Museum was closed to the public on July 1, 1981. The date for the reopening of the museum has not been established at this time.

JACK K. FLETCHER, BS, MS, EdD .......................... Director, Arnim D. Hummel Planetarium

Cory Anderson ............................. Audiosvisual Specialist
FRIDGERICK C. KOLLOFF, BA, MA, PhD .......................... Director, Division of Media Resources

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CAPTAIN IRA J. BEGLEY, II (1988), Assistant Professor of Military Science, BS, Eastern Kentucky.
CAPTAIN SEFORD R. OLSEN (1988), Assistant Professor of Military Science, BS, Western Kentucky.
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