The College of Education prepares students for professional careers in the field of education and human services. In addition to producing excellent teachers, College of Education graduates have gone on to excel in numerous other professional fields.

Ninety eight percent of the college faculty have attained the highest degrees possible in their fields. The College provides students with access to state-of-the-art technology. Each building is equipped with computer laboratories and new “smart” classrooms to keep students and faculty in pace with the latest technological advances in education.

Whether a student’s interest is teaching, administration, school or counseling psychology, coaching, dance, or special education, a degree from the UK College of Education means that he/she will be prepared for a rewarding career and a lifetime of influence on the lives of others.

Federal Title II Reporting

The University of Kentucky educator preparation unit participates in federal reporting of student performance on PRAXIS examinations required for state educator licensure. For the 2001-2002 cohort UK students had an overall pass rate of 96 percent compared with an overall statewide pass rate of 94 percent. When compared with all 27 institutions in the state that prepare teachers, the University of Kentucky ranked in the second quartile. When examining only the PRAXIS examinations for the Academic Content areas, the UK unit had a pass rate of 96 percent compared with a statewide Academic Content area pass rate of 94 percent. In the Academic Content PRAXIS exams area, the UK unit programs ranked in the first quartile, statewide. When examining only the Other Content Praxis examinations, the UK Programs had a pass rate of 96 percent compared with a statewide Other Content Praxis examinations pass rate of 96 percent. In the Other Content Praxis examinations area, the UK unit programs ranked in the first quartile, statewide. When examining only the Other Content Praxis examinations, the UK Programs had a pass rate of 100 percent, compared with a statewide Other Content Praxis examinations pass rate of 96 percent. In the Other Content Praxis examinations area, the UK unit programs ranked in the first quartile, statewide. Interested parties may review the University of Kentucky state report card on its educator preparation programs located on the Kentucky Education Professional Standards Board Web site at: www.keppreportcard.org/. Additional information about the performance of UK students and all Kentucky students on the PRAXIS examinations may be found at: www.title2.org/statereports/.

Accreditation

The Professional Education Unit for the University of Kentucky is accredited by the National Council for the Accreditation of Teacher Education (NCATE), and all professional educator programs are approved by the Kentucky Education Professional Standards Board (EPSB).

Undergraduate Programs in Education

The University of Kentucky grants the following degrees in the College of Education:

- Bachelor of Arts in Education
- Bachelor of Science in Education

Students pursuing one of the following majors earn a Bachelor of Arts in Education degree: early elementary education, health promotion, kinesiology (teacher certification, business, or exercise science), middle school education, secondary education, or special education (learning and behavior disorders). Students selecting the major in secondary education may specialize in one of the following: English, foreign language (French, German, Latin, Spanish, or Russian), mathematics, science (biology, chemistry, earth science, physical science or physics), or social studies.

Students pursuing special education (moderate and severe disabilities) earn the Bachelor of Science degree.

Persons holding a bachelors degree may pursue initial teacher certification in early elementary education and middle school education following the certificate-only options (see page 167).

Graduate Programs in Education

Graduate Degrees and Certificates

The University of Kentucky offers the following graduate degrees for education:

- Master of Arts in Education
- Master of Science (Kinesiology and Health Promotion)
- Master of Science in Education
- Doctor of Education (Ed.D.)
- Doctor of Philosophy (Ph.D.)
- Rank II (32 hour) and Rank I (30 hour) Programs in Professional Education

Graduate Programs Leading to Advanced Educator Licensure

The University of Kentucky offers graduate programs leading to advanced educator licensure in Reading and Writing, Gifted Education, Computer Science in Instructional Systems Design, English as a Second Language, Library Science, Communication Disorders, School Psychology, and School Leadership.

UK Graduate Certificates

The University of Kentucky offers a graduate certificate in Literacy Education. (Candidates must hold a valid teaching certificate to enter this program.)

Graduate Programs Leading to Initial Educator Licensure

The following graduate level initial educator certification programs are available at the Uni-
The Collaborative Center for Literacy Development (CCLD), 101 Taylor Education Building, was established by the Kentucky General Assembly in 1998 to make available training in literacy for educators and to promote literacy development. The Center focuses on six requirements laid out in Senate Bill 186, to: provide professional development and coaching for classroom teachers to implement reliable research-based reading models; establish a demonstration and training site for early literacy at each of Kentucky’s public universities; collaborate with public and private post-secondary institutions to provide quality preservice and professional development in early reading instruction; assist districts located in areas with low reading skills to assess and address identified literacy needs; identify models of reading instruction supported by research; and develop and implement a clearinghouse for information about reading models. The CCLD works to improve achievement for students pre-school through adulthood.

The School Psychology Clinic, 641 Maxwell Court, (859) 257-1381, provides diagnostic assessment, intervention and consultative services to assist children, adolescents, college students, and adult learners with psychological and educational concerns. The clinic is also organized to provide supervised training for graduate students in school psychology at the University of Kentucky. Referrals and requests for services are accepted from parents, teachers, counselors, and others, as well as from school systems, community agencies and organizations.

The Counseling Psychology Services Clinic, 251 Dickey Hall, (859) 257-4159, is operated by the Department of Educational and Counseling Psychology. The CPS Clinic provides individual, couples, family, parent-child, and group counseling. Diverse populations are welcomed; personal, career, and interpersonal issues can be addressed. The CPS Clinic serves as a training facility for advanced-level masters and doctoral students who are supervised by licensed psychologists. Fees for the CPS Clinic operate on a sliding scale to allow the greatest number of individuals in Lexington and the surrounding counties to be served.

The Center for Traumatic Stress Research, 251 Dickey Hall, (859) 257-9338, is a multi-service psychological trauma center dedicated to providing specialized counseling services to trauma survivors. The Center offers short-term psychotherapy to individuals of all ages, critical incident stress debriefings, and assessment and evaluation of posttraumatic symptomatology for litigation and/or disability claims. The Center also serves as a training clinic for graduate students in Counseling Psychology.
General Information

Students who wish to be recommended for any state educator licensure (certification) must meet the requirements of the Kentucky Education Professional Standards Board, and the University of Kentucky Senate.

Students desiring to be recommended for initial certificates in a major must be admitted to the Teacher Education Program associated with that major. The number of students admitted to any UK teacher education program each year depends upon the availability of resources for maintaining quality instruction.

Admission to a teacher education program is highly selective and may be competitive. Meeting minimum requirements for application does not guarantee admission.

Students will be recommended for degrees only upon completion of approved degree programs. Students who have not been admitted to a teacher education program will not be permitted to enroll in courses requiring Teacher Education Program admittance.

ADMISSION, RETENTION AND EXIT FROM TEACHER EDUCATION PROGRAMS

A student must be admitted, retained in, and successfully exit from a state-approved teacher education program in order to receive a teaching certificate. The components of an approved teacher preparation program include: 1) an earned bachelor’s degree from a regionally accredited institution of higher education, 2) completion of approved teaching subject matter field(s), 3) successful completion of state mandated testing, 4) completion of a teacher preparation program, including student teaching, 5) and verification by program faculty that all applicable standards have been met.

The College of Education Certification Program Faculties, the College of Education Director of Academic Services and Teacher Certification, and the University Registrar are charged with the responsibility to monitor a student’s progress through the teacher preparation program, and to recommend to the Kentucky Education Professional Standards Board (EPSB) that a successful candidate be awarded a state teaching license (certificate).

Continuous Assessment in Teacher Education Programs

A student’s progress through all teacher preparation programs is continuously monitored, assessed, and reviewed. In addition to typical evaluation processes that occur as part of their course work and field placements, students will be assessed a minimum of three times during their program by representatives of their respective program faculty.

The three assessments will occur upon entry into the Teacher Education Program, at a midpoint in the program (no later than the semester prior to student teaching), and as students exit the program following student teaching. Assessments will include, but are not limited to: (a) appropriate scores on approved standardized tests, (b) review of grades via inspection of transcript, (c) personal and professional skills assessed during interviews with program faculty, when taking campus based courses, and during field experiences, (d) portfolio documents, and (e) continued adherence to the KY Professional Code of Ethics.

Following admission to a teacher education program, if problems have been identified at any assessment point, program faculty will determine a plan for addressing the problems and implement the plan including feedback and direction to the student. In addition, if specific strengths are recognized during these assessments, the student will be commended.

Standards for Admission to a Teacher Education Program

1. Candidates for admission must have completed at least 60 semester hours, or, if pursuing initial certification as a post-baccalaureate graduate or graduate student, must have earned a bachelor’s degree from a regionally accredited institution of higher education.

2. Candidates for admission must demonstrate academic achievement by earning a minimum overall GPA of 2.50. In addition, post-baccalaureate graduate and graduate level students must demonstrate a minimum 2.50 GPA in the teaching subject matter field(s). Students seeking admission to a Master’s Degree initial certification program must also satisfy UK Graduate School admissions standards.

3. Candidates for admission must certify their knowledge of the Kentucky Professional Code of Ethics and must sign a state mandated character and fitness review.

4. Candidates for admission must demonstrate aptitude for teaching by presenting three letters of recommendation from individuals who can attest to the candidate’s potential success in teaching.

5. Candidates must present an Admissions Portfolio. Although the contents of the portfolio will vary by program, it will include at least the following: “best piece” sample(s) of writing in the subject matter field(s); evidence of experience with students and community; and a written autobiography or resume.

6. Candidates for admission must demonstrate an acceptable level of skills in written communication. This will be assessed through an on-demand writing task at the time of the interview. In lieu of an on-demand task, program faculty may require that the candidate demonstrate having earned a minimum grade of B in a college-level written composition course.

7. Candidates for admission must demonstrate an acceptable level of skills in oral communication. This will be assessed by the program faculty at the time of the admissions interview. In lieu of assessing oral communication skills at the time of the interview, the program faculty may require that students have earned at least a B in a college level public speaking course.

8. Candidates for admission must present acceptable scores on one of the following standardized tests:
   • ACT – with minimum composite score of 21.
   • SAT – minimum composite score of 990 (combination of Verbal and Quantitative). A minimum grade of B on a college level written composition course must accompany the SAT scores. Composition courses normally used to fulfill this requirement include ENG 101, ENG 102, ENG 105, ENG 305, or an equivalent course from another institution. Advanced Placement English used to fulfill the USP writing requirement may also be used.
   • GRE – minimum composite score of 1200 (combination of Verbal, Quantitative, Analytic). A minimum grade of B on a college level written composition course must accompany the GRE scores. Composition courses normally used to fulfill this requirement include ENG 101, ENG 102, ENG 105, ENG 305, or an equivalent course from another institution. Advanced Placement English used to fulfill the USP writing requirement may also be used.
   • PRAXIS Core Battery Communication Skills – (646 required) and General Knowledge (643 required) tests.
   • PRAXIS I Reading Test – (173 paper or 320 computer), Mathematics (173 paper or 318 computer), and Writing (172 paper, 318 computer).

Rules which accompany the standardized testing requirements are as follows:
   • No standardized test scores older than eight years can be used to meet this requirement.
   • GRE scores may be used only by
students who hold a bachelor’s degree.
- Students may retake subtests in multipart tests.
- Students seeking entrance to a graduate degree initial certification program must meet both the graduate school rules regarding the GRE, and College of Education rules for certificate program standardized testing.

9. For those programs requiring EDP 202 as a prerequisite for admission to teacher education, students must complete EDP 202 with a grade of C or better.

Retention of Candidates in Teacher Education Programs

The progress of candidates who have been admitted to a teacher education program is continuously monitored. Some of the items which are monitored are: (a) whether a student continues to earn grades of C or better in professional education classes, (b) whether a student continues to maintain 2.50 minimum GPAs overall, 2.50 in the professional education component as defined in the student’s program description, and 2.50 in all required subject areas, (c) whether a student continues to demonstrate adherence to the EPSB Professional Code of Ethics, and (d) whether adequate progress is being made in building the Working Portfolio.

If problems are identified, program faculty will determine a plan for addressing the problems and implement the plan including feedback and direction to the student.

Prior to the student teaching semester, each candidate will be asked to provide evidence in the form of the Working Portfolio to demonstrate the acquisition of skills related to teaching in the chosen subject field, and to document progress in any identified problem areas. Each candidate’s portfolio will be reviewed by the appropriate program faculty, and continued progress through the program will be contingent on the results of this midpoint review.

Admission to student teaching requires a successful retention review and recommendation by the program faculty that the candidate be allowed to student teach.

All teacher certification candidates are encouraged to complete the required state-mandated examinations prior to beginning student teaching.

Exit from Teacher Certification Programs

All candidates for completion of a teacher education program must continue to meet all standards for admission and retention at the time of exit.

At exit all teacher certification candidates must present an Exit Portfolio for review by the appropriate program faculty. The exit portfolio will be organized by Kentucky New Teacher Standards and will include a mix of items selected by the candidate and required by the particular program faculty.

The program faculty must certify that a review of the Exit Portfolio, and other pertinent documents has demonstrated that the candidate has met all of the Kentucky New Teacher Standards as a prerequisite to recommending the candidate for a teaching license.

Prior to exit from the teacher certification program, candidates must have successfully completed all On-demand Portfolio Tasks required by the Kentucky Education Professional Standards Board.

Prior to exit from the teacher certification program all candidates must achieve required cut-off scores on all Kentucky state mandated teacher certification tests.

State Mandated Testing and the Kentucky Teacher Internship

Successful completion of the examinations required by the Kentucky Education Professional Standards Board is a precondition for the granting of a teaching license (certificate).

Upon being recommended by the College of Education for a Kentucky Teaching License (Certificate), a candidate will be issued a Kentucky Letter of Eligibility for the Kentucky Teacher Internship Program. Upon employment in a Kentucky P-12 school, the candidate will receive a one-year license to practice as a fully qualified intern teacher. After successfully completing the internship year, the candidate will be eligible for a regular Kentucky Professional Teaching License (Certificate).

Information concerning licensure in other states is available from the College of Education office of Academic Services and Teacher Certification.

Admission and Graduation for Secondary Education Students Not Seeking Admission to a Teacher Certification Program

1. All students pursuing a secondary education major without teacher certification must be admitted to advanced standing as described in items 2 - 4 below.
2. To be admitted to advanced standing a student must have completed at least 60 semester hours.
3. Students must demonstrate academic achievement by earning a minimum overall GPA of 2.50 at the time of applying for advanced standing. At the time of graduation, students must demonstrate not only a minimum overall GPA of 2.50, but also a minimum GPA of 2.50 in the teaching subject matter field(s).
4. All requests for admission to advanced standing must be reviewed by appropriate faculty advisors. Students not recommended for advanced standing by an appropriate advisor are ineligible to continue or graduate from College of Education programs.

Calculation of GPAs for Admission to Initial Certification Programs

GPA Rules

All candidates for admission to a UK initial teacher certification program must have earned an undergraduate cumulative GPA of at least 2.50.

In addition, candidates for admission to a graduate level initial certification program, i.e., secondary programs, vocational education, must have earned in their subject area fields a GPA of at least 2.50.

Master’s degree initial certification programs require a cumulative GPA of 3.0 for all graduate work prior to admission to the program.

UK cumulative GPAs are figured using the rules of the UK Registrar.

Undergraduate initial certification programs require a UK cumulative GPA of 2.50 calculated after the completion of at least twelve semester credit hours.

All courses used to satisfy subject matter certification requirements are used to calculate subject matter GPAs. Verification of subject matter GPAs require the use of any applicable non-UK transcripts for information about grades, credit hours and quality points.

Master’s degree initial certification programs require an undergraduate overall GPA of 2.50, but do not require a UK cumulative GPA prior to admission.

Post bachelor’s degree initial certification programs require an undergraduate overall GPA of 2.50, but do not require a UK cumulative GPA prior to admission.

Determination of GPAs for Admission to Initial Certification Programs

If the initial certification program requires a UK GPA, the GPA would be calculated using the rules of the UK Registrar.

If the initial certification program does not require a UK GPA, the required cumulative GPA of at least 2.50 is taken directly from the transcript that shows the award of the Bachelor’s degree.

If an initial program requires review of the graduate GPA, all graduate courses taken on all transcripts are used to calculate the graduate GPA of at least 3.0.

Candidates for admission to a post-baccalaureate graduate initial certification program with less than a 2.50 cumulative GPA may establish a UK undergraduate GPA for the purposes of admission to the program. The UK GPA calculated for this purpose must include at least 12 semester hours taken from four sections of the UK University Studies categories and approved courses lists.
Subject area GPAs are calculated using all courses included on the candidate’s approved subject area course listing form.

Questions regarding the College of Education Admission/Retention/Exit policy should be directed to:

Office of Academic Services and Teacher Certification
166 Taylor Education Building
University of Kentucky
Lexington, KY 40506-0001
(859) 257-7971
www.uky.edu/education/

Financial Aid/Scholarships

The College of Education awards scholarships to both undergraduate and graduate students. Information and application forms are available in 166 Taylor Education Building. The deadline for undergraduate scholarships is February 15, and for graduate scholarships March 1. Graduate students should also contact the Director of Graduate Studies in their department for information about any targeted scholarship funds. Kentucky residents who are enrolled in a teacher certification program may also apply for funds from the Kentucky Higher Education Assistance Authority Teacher Scholarship program (KHEAA). Students applying for funds through the KHEAA teacher scholarship program must include a completed FAFSA need analysis data form with their applications. Funds are awarded first to students fully admitted to a teacher education program, in order of the greatest financial need. The College of Education also administers the Kentucky Minority Educator Recruitment and Retention scholarship program (MERR) for the Kentucky Department of Education. Minority students applying for MERR funds must be Kentucky residents. Both KHEAA and MERR teacher scholarships awards are forgivable on a semester by semester basis when the candidate teaches in Kentucky public schools. Award recipients who do not teach in Kentucky public schools must pay back the awards, with interest. KHEAA and MERR forms are available in 166 Taylor Education Building.

General Rules for Student Teaching

A student may enroll in student teaching in one of the educator preparation programs provided he or she has:

1. been admitted to and retained in the appropriate teacher education program;
2. maintained a grade-point standing of at least 2.50 in (a) subject matter area(s) as defined by the program, (b) professional education, (c) related studies, and (d) overall;
3. completed all professional education courses except student teaching;
4. completed a minimum of 75 percent of the required subject matter courses;
5. applied and been accepted for student teaching two semesters prior to the one in which student teaching is to be done;
6. completed the required national and state criminal background check with no criminal background identified;
7. been accepted by the school system and supervising teacher where he or she plans to do student teaching;
8. scheduled no more than 3 hours of college work to be carried during student teaching with no classes scheduled to interfere with the student teaching assignment; and,
9. presented evidence of having had a specified physical examination.
10. P-12 certification programs require student teaching in more than one grade level.

Policy on Intensive Field Experiences

The University of Kentucky College of Education is committed to preparing candidates for the teaching profession who are effective, reflective decision makers. To that end, and in order to meet state certification regulations and national accreditation requirements, teacher candidates complete an array of carefully planned field experiences. These experiences are systematically integrated into the teacher education program curriculum.

In order to ensure high quality experiences, the College has established a network of clinical sites where candidates complete field placements. These sites are part of the university’s extended campus known as the university clinical/field network. Sites are selected at the program level (i.e., by the program faculty that governs the curriculum for the particular certification area). Selection decisions are made using specific criteria that are directly linked to program goals, accreditation standards, and certification requirements.

All teacher candidates are expected to complete their intensive field experiences (referred to as practicum and student teaching) in these approved clinical sites.

Character and Fitness Reviews

All students seeking admission to, retention in, or completion of a UK educator preparation program, must complete a state mandated character and fitness review. In addition, students with records of misconduct beyond simple traffic violations must provide complete documentation of this misconduct utilizing written procedures available in the office of Academic Services and Teacher Certification. Records of misconduct will be available for use by program faculties in making decisions about admission, retention and completion of the program. Students must also complete any state mandated background checks, which may include a national check of FBI records. By Kentucky statute, persons with records of serious legal misconduct are ineligible for student teaching, state teaching licensure, or employment in the public schools. Students are responsible for completing all required background check procedures in a timely manner so that decisions about their movement through the program may be made.

Applying for Kentucky Educator Licenses

The University of Kentucky offers programs for most initial and advanced professional educator licenses (certificates) issued by the Kentucky Education Professional Standards Board (EPSB). EPSB license requirements are subject to change by the EPSB at any time.

UK candidates for Kentucky professional educator licenses must submit all required application materials to Academic Services and Teacher Certification, 166 Taylor Education Building, Lexington, KY 40506-0001. Recommendations to the EPSB that an educator license be issued are based upon a final audit of all program completion requirements.

GRADUATION REQUIREMENTS

To graduate from the College of Education, a student must: 1) complete all specific program requirements as listed in this Bulletin; 2) meet all requirements of the College of Education admission/retention/exit policy; and 3) complete a minimum of 128 hours.

Because most students are pursuing both a UK degree and a state educator license (certificate), it is extremely important that advisors are consulted frequently to be sure that the best selection of courses is made to meet both requirements.

Undergraduate Advising

Lower division advising (freshman and sophomore standing) is accomplished and coordinated through Academic Services and Teacher Certification, 166 Taylor Education Building. (Kinesiology and Health Promotion advising takes place in the Seaton Center.)

Upper division students (junior and senior standing) and students admitted to a teacher education program are assigned faculty advisors.

DEPARTMENTS IN THE COLLEGE OF EDUCATION

Administration and Supervision

The Department of Administration and Supervision seeks to improve the quality of American education through improved training and competence of administrators. The department is particularly mindful of its obligation to supply the needs of Kentucky for high quality administrators in public schools.
Curriculum and Instruction

The Department of Curriculum and Instruction offers both undergraduate and graduate programs. Undergraduate programs prepare teachers for elementary, middle school, and secondary levels. Graduate programs include: advanced degrees in teaching at elementary, middle, and secondary levels; preparation for teaching at the college/university level; and preparation for instructional design roles in business and industry.

Educational and Counseling Psychology

The Department of Educational and Counseling Psychology offers course work leading to provisional and standard certification and licensure in the Commonwealth of Kentucky, by the Education Professional Standards Board and the Kentucky Board of Psychology, respectively. The UK counseling and school psychology doctoral programs are fully accredited by the American Psychological Association (APA), and the doctoral and specialist degree programs in school psychology are approved by the National Association of School Psychologists (NASP) and the National Council for the Accreditation of Teacher Education (NCATE).

Educational Policy Studies and Evaluation

The Department of Educational Policy Studies and Evaluation provides a unique opportunity for students who wish to develop the knowledge, judgment, and research skills required to address educational issues with flexibility and imagination. Students are offered the resources of historical, sociological, philosophical, and comparative analysis; knowledge of current educational issues; expertise in evaluation research; and the opportunity to learn skills necessary to evaluate the significance of studies that bear on policy. The department offers advanced degrees only.

Kinesiology and Health Promotion

The Department of Kinesiology and Health Promotion offers undergraduate courses and degree programs in kinesiology (physical education) and health promotion. Students are encouraged to take one 1-credit physical education class each semester during the first two years of college.

The Physical Education University Service program offers beginning instruction in both individual and team activities. Individual skill instruction is available in weight training, conditioning and fitness, golf, racquet sports, gymnastics, swimming, scuba diving, aerobic running and swimming, and dancing. Instruction in such team activities as basketball, soccer, volleyball, and softball is also available. In addition, intermediate and advanced courses in many of the activities are offered.

The kinesiology program is designed for students interested in teaching as well as those interested in physical education positions in industry. Students desiring teacher certification in the secondary schools complete standard University requirements and one of the plans listed under “ Majors and Minors” below. Those not desiring certification may select from two options: business and exercise.

The purpose of health promotion is to promote quality life for all people. This area of study is interdisciplinary, extending into biology, psychology, sociology, and medicine. Health promotion generally focuses on the holistic dimension, not just the physical.

The program is geared toward teacher training in health promotion; however, opportunities for health educators exist in community agencies, adult fitness programs, and health education programs in industry and business.

Special Education and Rehabilitation Counseling

The Department of Special Education and Rehabilitation Counseling offers two different programs of study at the undergraduate level: (1) learning and behavior disorders; and (2) moderate/severe disabilities.

Students enrolling in an undergraduate program should note that it is not possible to obtain dual certification in the usual four-year (eight-semester) undergraduate program. Students should contact the department for sample programs that illustrate options for scheduling courses to facilitate program completion. The MSD stand-alone program can be completed in four years. Students should consult The Graduate School Bulletin for graduate-level requirements.

Business and Marketing Education

Information on Business and Marketing Education appears on page 167.

DEGREE PROGRAMS IN THE COLLEGE OF EDUCATION

NOTE: All College of Education undergraduate programs require a minimum of 128 hours for graduation. However, determining the exact number of hours will vary depending upon a student’s chosen plan of study. Students are encouraged to review carefully each program and its components to determine the hours necessary for graduation.

Requirements for Program

The Early Elementary Education Program is aligned with the New Teacher Standards established by the Kentucky Education Professional Standards Board, as well as standards developed by national standards boards and professional organizations in the areas of Language Arts, Mathematics, Science, and Social Studies.

The model for the early elementary education program presumes a collaborative relationship between school and university personnel focused on ensuring a high level of individual attention to the mentoring and socialization of teacher candidates. The faculty recognizes that this is a labor-intensive process, requiring sustained time and effort by all parties. Work in early elementary education must be guided by two principles: first, a commitment to continuous improvement based on reflection, evaluation, and ongoing research; second, a commitment to peer collaboration as a source of professional growth for teacher candidates as well as school and university faculty.

To receive the B.A. degree in Early Elementary Education, students must: (1) complete the University Studies Program; (2) complete at least 128 hours; (3) complete the program related studies courses; (4) complete the professional education component; and (5) complete an area of specialization. Available areas of specialization are Language and Writing, Social and Behavioral Sciences, Mathematics, Science, Creative Arts, and Special Education/LBD.
Continuous Assessment  

1. Admission to the program is based on a selective admission process that generally occurs after students have completed 60 hours of university course work. All students are expected to meet the standards and rules for Admission, Retention and Exit from the Teacher Education Program as set forth in the section “Admission, Retention and Exit from Teacher Education Programs” on page 145. 

2. Assessment at the Point of Entry to the Early Elementary Education Program. At the point of entry students must present an admission portfolio which includes the following: a) a “best piece” sample of writing which demonstrates ability to research a topic in some depth; b) evidence of multicultural/cross-cultural experience with written reflection on the experience; c) evidence of having completed 30 hours of community service with early elementary age children, including a written reflection on the experience; d) evidence of having completed 20 clock hours of field experience in an elementary school, supervised by a qualified person; and, d) a written autobiography. Also at the time of entry, students will be required to complete an on-demand writing task. 

3. On Going Assessment. Assessment During the Professional Introduction Semester. Assessment of progress in the Professional Introduction semester includes assessment strategies specific to individual courses, but also includes an overall “Professional Introduction Portfolio.” This portfolio is intended to be an extension of the admissions portfolio, adding the following exhibits: a) philosophy of education statement (this will be modified as candidates move through the program); b) “best piece” samples from course work that show evidence of content knowledge, pedagogical content knowledge, and effective practice (given the students’ level of experience); and, c) evidence of competence in instructional applications of technology and systems of information management. 

4. Assessment of Progress in the Professional Block. This includes assessment strategies specific to individual methods courses that confirm content as well as pedagogical knowledge. It also includes some additional assessments. At the beginning of the semester, students’ Professional Introduction Portfolios are reviewed and placement needs are discussed. Once the semester begins, students are observed throughout the semester by their supervisor and are assessed using an observation form which directly reflects the New Teacher Standards. Students also submit videotapes of themselves teaching and an analysis of these as well as other lessons they have taught. The supervisors provide feedback on these lessons as well. The faculty also reviews students’ Professional Development Plans. Each student develops a Professional Development Plan (PDP) in cooperation with UK faculty and school-based faculty. The PDP includes reflections on the student’s strengths and areas that need further work. This document serves as a planning tool for student teaching. Students also continue the development of their teaching portfolio, adding information that demonstrates competence on tasks related to the New Teacher Standards for each Professional Block course. 

5. Assessment During the Student Teaching Semester. Students are assessed in a variety of ways during this semester. Student assignments include: observations reports, developing a thematic unit, critiquing their own teaching using videotapes, completing two solo weeks, and further developing their teaching portfolios. 

Statement on Student Teaching  

Students in the early elementary education program complete 16 weeks of student teaching, concentrating on the ages in grades P-5. (See the section on “Student Teaching” on page 147 for additional information on student teaching.) Students selecting Special Education/ LBD as their area of specialization will do student teaching in early elementary education, P-5, and also in one of the Special Education/LBD approved grade levels, P-12. 

University Studies Component (43-57 hours)  

Basic Skills  

A. MA 109 or MA 110 or Math ACT 26 or  

UK by-pass exam or any calculus course .......... 0-3  

B. Two semesters foreign language or  

two years high school foreign language .......... 0-8  

Inference and Communication Skills  

A. Calculus (MA 123) or  

STA 200 plus PHI 120 or PHI 320 ................. 3-6  

B. Writing (ENG 101 and 102) or ENG 105 ........ 6  

C. Oral Communication (COM 181) .......... 3  

Disciplinary Requirements  

A. Natural Sciences  

BIO 102 and BIO 103 and BIO 111 .......... 7  

B. Social Sciences  

Select a total of two different courses from among anthropology, economics, geography, political science, and sociology. For example, choose one sociology course and one anthropology course for a total of six credits from two different disciplines. ................. 6  

C. Humanities .......... 12  

HIS 104, HIS 105, ENG 261 and ENG 262  

or  

HIS 108, HIS 109, ENG 334 and ENG 335  

These courses will fulfill the Electives requirement as well.  

Cross-Cultural ................. 3  

One course from anthropology, geography, or political science. The course must be in a discipline other than those chosen to fulfill the requirements for the disciplinary Social Sciences requirements.  

Electives .......... 6  

See notation under Humanities above. 

Program Related Studies (27-30 hours)  

A-E 270 Introduction to Art Education ............... 2  

A-E 272 Workshop in Design Education ............... 2  

MUS 260 Teaching Music in the  

Elementary Grades I (full only) ..................... 2  

MUS 261 Teaching Music in the Elementary  

Grades II (spring only) ..................... 2  

MA 201 Mathematics for Elementary Teachers .... 3  

(Preq: MA 109)  

MA 202 Mathematical Problem Solving for Elementary  

Teachers (spring and summer only) .................. 3  

(Preq: A grade of C or better in MA 201. Also recommended: a course in logic [e.g. PHI 120] or a course in calculus [e.g. MA 123])  

PSY 100 Introduction to Psychology .......... 4  

*PHI 100 Introduction to Philosophy: Knowledge and Reality  

or  

*PHI 130 Introduction to Philosophy: Morality and Society  

GLY 160 Geology for Elementary Teachers .......... 3  

PHY 160 Physics and Astronomy for  

Elementary Teachers .......... 3  

*If PHI 120 was not taken to fulfill USP Inference and Communication Skills area.  

Social Science .......... 3  

Take one additional social science course from one of the same social science disciplines taken in USP Disciplinary Requirements Social Sciences area. 

Professional Education Requirements (53 hours)  

EDP 202 Human Development and Learning .......... 3  

EDP 203 Teaching Exceptional Learners in  

Regular Classrooms .......... 3  

EPE 301 Education in American Culture .......... 3  

FAM 554 Working with Parents .......... 3  

All of the following courses require admission to the  

Teacher Education Program:  

KHP 380 Health Education in the Elementary School .... 2  

KHP 382 Physical Education for  

Elementary School Teachers .......... 2  

Professional Introduction Semester (To be taken the  

semester prior to the Professional Block. These four courses should be scheduled during the same semester. Students may take other courses at the same time.)  

EDC 317 Introduction to Instructional Media ........ 1  

EDC 323 Classroom Management and Discipline .......... 3  

*EDC 329 Teaching Reading and Language Arts .......... 3  

LIS 510 Children’s Literature and Related Materials .... 3  

*EDC 329 is prerequisite to EDC 339.  

Professional Block (To be taken the semester prior to  

student teaching. Students should take no other courses when enrolled in this block.)  

EDC 322 Elementary Practicum .......... 3  

EDC 326 Teaching Social Studies in the Elementary  

School (Prereq: 15 hours social science) .......... 3  

EDC 328 Teaching Science in the Elementary  

School (Prereq: 12 hours science) .......... 3  

EDC 337 Teaching Mathematics in Elementary  

Schools (Prereq: MA 202) .......... 3  

EDC 339 Designing a Reading and Language Arts Program  

for the Elementary School (Prereq: EDC 329) .......... 3  

Student Teaching Semester  

EDC 433 Student Teaching in the Elementary  

School (seminar included) .......... 12  

See “Student Teaching” section on page 147 for rules  

regarding student teaching.  

Students electing to be certified in both Special Education/  

LBD and Early Elementary Education will register for EDC 433, Student Teaching in the Elementary School (six hours), and EDS 459, Student Teaching in Special Education (six hours).
Area of Specialization Early Elementary (21 hours)

Students must complete an Area of Specialization by meeting the requirements in one of the six options listed below. This area of specialization will consist of 21 semester hours, with at least 12 semester hours being taken beyond the University Studies and Related Studies requirements.

Language and Writing (12 hours beyond USP/Program Related Studies)

EDC 334 Oral and Written Language Development in the Elementary School .............................................. 3
Plus one course from each of the following areas (1, 2, and 3):

Area 1

A. Choose two courses (six hours) from one discipline beyond USP/Program Related Studies

B. Choose additional electives from biology, chemistry, geology, physics, astronomy, or climatology for a total in Program Related Studies.

Area 2

ENG 205 Intermediate Writing ...................................... 3
ENG 207 Beginning Workshop in Imaginative Writing .............................................. 3
ENG 509 Composition for Teachers ...................................... 3

Area 3

*ENG 334 Survey of American Literature I ...................... 3
*ENG 335 Survey of American Literature II ..................... 3

*These courses may only be used if they were not taken to fulfill USP requirements.

Social and Behavioral Sciences (12 hours beyond USP/Program Related Studies)

A. Choose two courses (six hours) from one discipline already taken to fulfill University Studies Social Sciences.

B. Choose one course (three hours) from one of the following disciplines not taken previously as part of Social Sciences, Cross-Cultural or Electives (history, sociology, anthropology, geography, economics, political science, psychology).

C. Complete at least one Kentucky Studies course (HIS 240, History of Kentucky, or GEO 322, Geography of Kentucky).

Mathematics (12 hours beyond USP/Program Related Studies)

Choose 12 semester hours of course work from the following courses and additional mathematics courses with the aid of an advisor.

MA 112 Trigonometry (only two hours credit) ............. 2
*MA 123 Elementary Calculus and Its Applications or MA 113 Calculus I ...................................................... 3-4
MA 310 Mathematical Problem Solving for Teachers .......................................................... 3
MA 341 Topics in Geometry .......................................... 3
MA 162 Finite Mathematics and Its Applications ............ 3
MA 261 Introduction to Number Theory ......................... 3
STA 291 Statistical Method ........................................... 3

*Only if MA 123 was not taken to fulfill USP requirements.

Science (12-13 hours beyond USP/Program Related Studies)

A. Choose one course in each of the following science disciplines: chemistry, geology, physics.

B. Choose additional electives from biology, chemistry, geology, physics, astronomy, or climatology for a total in the science area of at least 12 semester hours beyond USP/Program Related Studies.

Creative Arts (12 hours beyond USP/Program Related Studies)

Choose three credit hours from each of the following four areas:

A. Music .............................................................. 3
B. Art ............................................................... 3
C. Dance
Choose from:

KHP 147 Dance Foundations I (spring only) ............. 1
KHP 154 Dance Foundations II (fall only) ............... 1
KHP 390 Dance Activities in the Elementary School (fall and 4-week summer only) ........... 2
KHP 393 Rhythmic Forms, Improvisation, and Analysis (every other spring only) .......... 3

D. Theatre Arts
Choose one of the following courses:

TA 126 Acting I: Fundamentals of Acting .......... 3
TA 150 Fundamentals of Design and Production .......... 3

Special Education/LBD (34 hours)

(Open only to students seeking both Early Elementary and Special Education/LBD certification. Students who plan to complete the Special Education LBD requirements do not complete one of the above Areas of Specialization. If a student changes plans and chooses only the Early Elementary program, an approved Early Elementary Area of Specialization must be completed.)

Special Education Core Courses

EDS 357 Initial Practicum in Special Education ........... 1
EDS 375 Introduction to Education of Exceptional Children .................................................. 3

(Must have earned a C or better in the above courses before admittance to TEP.)

EDS 510 Early Childhood Special Education ............... 3
EDS 513 Legal Issues in Special Education .............. 3
EDS 514 Instructional Technology in Special Education .................................................. 3
EDS 516 Principles of Behavior Management and Instruction ............................................. 3
EDS 517 Assistive Technology in Special Education .... 3

LBD Area Requirement Courses

EDS 528 Educational Assessment for Students with Mild Disabilities ................................. 3
EDS 529 Educational Programming for Students with Mild Disabilities .................................. 3
EDS 589 Field Experiences: Mild Disabilities .............. 3
EDS 459 Student Teaching in Special Education to be completed the same semester as elementary student teaching ............................................. 6

B.A. in Education with a major in HEALTH PROMOTION

(Teacher Certification Program)

Requirements for Program

The Department of Kinesiology and Health Promotion offers undergraduate courses and degree programs in kinesiology (physical education) and health promotion. These programs support the College of Education’s theme of teacher as reflective decision maker. The process of reflective decision-making is embedded in the departmental philosophy that students learn best through experiencing. The Health Promotion Program is guided by the standards of the American Association of Health Education (AAHE) and the Kentucky New Teacher Standards.

The health promotion program ensures an understanding of and knowledge about the structure of the health promotion discipline through the content and methodology courses in sexuality education, drug education, human health and wellness, nutrition, and program planning in health education. The purpose of health promotion is to promote quality of life for all people. This area of study is interdisciplinary, extending into biology, psychology, sociology, and medicine. Health promotion generally focuses on the whole individual, including social and emotional dimensions, not just the physical.

The B.A. in Health Promotion requires completion of the following: (a) the University Studies Program; (b) specified course work in Program Related Studies and Professional Education; (c) the health promotion major; and (d) a minimum of 128 semester hours. Students wishing to pursue certification both in health and kinesiology must follow the kinesiology program description.

Continuous Assessment

1. All students in the health promotion program are expected to meet the standards and rules for Admission. Retention, and Exit from Teacher Education Programs as set forth in the section “Admission, Retention and Exit from Teacher Education Programs” on page 145.

2. The health promotion program stimulates higher performance goals for high-performing students by offering several modes of performance. Examples are: (a) skills in performing physical activities; (b) skills in writing and oral presentations in theory courses; (c) computer technological skills in some courses; and (d) leadership skills demonstrated by high-performing students who serve as class leaders, peer tutors, and/or assistant instructors.

3. After admittance to the program, students not only must maintain a 2.50 GPA, they must continue to exhibit desirable professional characteristics to remain in the program. Students who demonstrate a lack of commitment, effort, professional behavior, knowledge, or teaching skills may be removed from the program until these characteristics are demonstrated.

Statement on Student Teaching

Students who are majoring in Health Promotion will enroll in:

KHP 371 Student Teaching in Health Education ....... 12

University Studies (39-53 hours)

*See University Studies Program section of this Bulletin for listing of allowable USP courses.

Program Related Studies Course Sequence (19 hours)

Hours

*PSY 100 Introduction to Psychology ..................... 4
*SOC 101 Introductory Sociology ................................ 3
*BIO 102 Human Ecology ...................................... 3

150 College of Education
Health Education Programs ....................................... 3
KHP 330 Planning and Implementing ............................ 3
KHP 230 Human Health and Wellness .......................... 3
KHP 222 Drug Education ........................................... 2
KHP 190 First Aid and Emergency Care ....................... 2

Minor in Health Promotion and must be relevant to the student’s professional preparation program.

Majors and Minors (48-51 hours)

Plan 1
Health Promotion Major (30 hours) and one or more university-approved minors (18-21 hours). Note: University-approved minors outside of the College of Education must be planned with an advisor in the appropriate college if the student wishes to have the minor appear on his/her transcript.

Students wishing to pursue certification in both Health Promotion and Kinesiology must follow the Kinesiology major program description.

Major in Health Promotion (30 hours) Hours
KHP 190 First Aid and Emergency Care ....................... 2
KHP 220 Sexuality Education .................................. 2
KHP 222 Drug Education ....................................... 2
KHP 230 Human Health and Wellness .......................... 3
KHP 330 Planning and Implementing ............................ 3
Health Education Programs ........................................ 3
KHP 420G Physiology of Exercise .................................. 3
KHP 445 Introduction to Tests and Measurements ................. 3
KHP 509 Workshop in Health and Safety (Experiential Health Education) ........................................ 1-3
NFS 101 Human Nutrition and Wellness .......................... 3

Choose at least six hours from the following courses:
KHP 240 Nutrition and Physical Fitness ........................... 3
KHP 395 Independent Study in Kinesiology and Health Promotion ............................................... 3
*KHP 509 Workshop in Health and Safety ......................... 1-3
BSC 331 Behavioral Factors in Health and Disease ............... 3
FAM 252 Introduction to Family Science ............................ 3
HSM 250 Introductory Epidemiology .............................. 3

*May be repeated under different topic names for up to three credit hours.

Other health related elective courses than the above list may be selected with permission of the Health Promotion faculty and must be relevant to the student’s professional preparation program.

Minor in Health Promotion (24 hours) (not for teacher certification) Hours
KHP 190 First Aid and Emergency Care ....................... 2
KHP 220 Sexuality Education .................................. 2
KHP 222 Drug Education ....................................... 2
KHP 230 Human Health and Wellness .......................... 3
KHP 330 Planning and Implementing ............................ 3
Health Education Programs ........................................ 3
KHP 445 Introduction to Tests and Measurements ................. 3
NFS 101 Human Nutrition and Wellness .......................... 3

Choose at least six hours from the following electives:
KHP 395 Independent Study in Kinesiology and Health Promotion ............................................... 3
KHP 509 Workshop in Health and Safety ......................... 1-3
KHP 535 School Health Dilemmas of Special Populations ............... 3
BSC 331 Behavioral Factors in Health and Disease ............ 3
FAM 252 Introduction to Family Science ............................ 3
HSM 250 Introductory Epidemiology .............................. 3

Other health related elective courses than the above list may be selected with permission of the Health Promotion faculty and must be relevant to the student’s professional preparation program.

Minor in Dance

Requirements for Program
The Department of Kinesiology and Health Promotion offers undergraduate courses and degree programs in kinesiology (physical education) and health promotion. These programs support the College of Education’s theme of teacher as reflective decision maker. The process of reflective decision-making is imbedded in the departmental philosophy that students learn best through experiencing. The kinesiology program is guided by the standards of the National Association for Sport and Physical Education (NASPE), and the Kentucky New Teacher Standards.

The kinesiology program ensures an understanding of and knowledge about the structure of the physical education and dance disciplines through the content courses of anatomy, physiology, kinesiology, exercise physiology, and nutrition. Application of this knowledge is demonstrated in physical education and dance activities to ensure discipline knowledge for teaching.

The B.A. in Kinesiology requires completion of: (a) the University Studies Program; (b) specified course work in Program Related Studies and Professional Education; (c) one of the kinesiology plans; and (d) a minimum of 128 semester hours. All kinesiology students are encouraged to complete Plan 1, which includes majors in kinesiology and health promotion, so that on graduating they will be qualified to pursue state teaching certification in physical education and health, grades P-12.

Continuous Assessment

1. All students in the kinesiology program are expected to meet the standards and rules for Admission, Retention, and Exit from Teacher Education Programs as set forth in the section “Admission, Retention and Exit from Teacher Education Programs” on page 145.

2. The kinesiology program stimulates higher performance goals for high-performing students by offering several modes of performance. Examples are: (a) skills in performing physical activities; (b) skills in writing and oral presentations in theory courses; (c) computer technological skills in some courses; and (d) leadership skills demonstrated by high-performing students who serve as class leaders, peer tutors, and/or assistant instructors.

3. After admittance to the program, students not only must maintain a 2.50 GPA, they must continue to exhibit desirable professional characteristics to remain in the program. Students who demonstrate a lack of commitment, effort, professional behavior, knowledge, or teaching skills may be removed from the program until these characteristics are demonstrated.

Statement on Student Teaching
Students who are majoring in kinesiology will enroll in:
KHP 369 Student Teaching in Physical Education
Students who are completing a major in both kinesiology and health promotion will enroll in:

KHP 369 Student Teaching in Physical Education ................................. 6

KHP 371 Student Teaching in Health Education .................................... 6

In this situation, student teaching time will be divided between the high school, middle school, and elementary grades, with student teaching supervision occurring cooperatively between the kinesiology and health promotion faculty.

University Studies (39-53 hours)

*See University Studies Program section of this Bulletin for listing of allowable USP courses.

Program Related Studies Sequence (24-25 hours) Hours

*PSY 100 Introduction to Psychology ................................................ 4

*SOC 101 Introductory Sociology ....................................................... 3

*BIO 102 Human Ecology ............................................................... 3

*BIO 103 Basic Ideas of Biology ....................................................... 3

*NFS 101 Human Nutrition and Wellness ........................................ 3

ANA 209 Principles of Human Anatomy ............................................. 3

PGY 206 Elementary Physiology ....................................................... 3

KHP 115 Service Course (Gymnastics) ............................................... 1

KHP 152 Techniques of Swimming .................................................... 1

or

KHP 252 Water Safety Leadership .................................................... 2

*May be taken for USP credit.

Professional Education Course Sequence (34 hours) Hours

EDP 202 Human Development and Learning .................................... 3

EDP 203 Teaching Exceptional Learners .......................................... 3

EPE 301 Education in American Culture ........................................... 3

KHP 263 Curriculum Design and Developmental Skills in the Elementary School ....................................................... 3

*KHP 344 Physical Education in the Secondary School .......................... 3

*KHP 360 Physical Education in the Elementary School .......................... 3

*KHP 361 Field Experiences with Elementary School Children ............... 1

*KHP 362 Field Experiences in Secondary Education ....................... 1

*EDC 317 Introduction to Instructional Media ................................... 1

*EDA 401 The Professional Teacher: Legal Perspectives ....................... 1

*KHP 369 Student Teaching in Physical Education .................................. 6-12

*KHP 371 Student Teaching in Health Education ............................... 6

*These courses require admission to the Teacher Education Program.

†Only required for students with a double major in kinesiology and health education.

Majors and Minors (54-69 hours)

Plan 1
Kinesiology Major (36 hours) and Health Promotion Major (33 hours)

Plan 2
Kinesiology Major (36 hours) and one or more university approved minors (18-21 hours). Note: University-approved minors outside of the College of Education must be planned with an advisor in the appropriate college if the student wishes to have the minor appear on his/her transcript.

Major in Kinesiology (36 hours)

Performance Area Courses (13 hours) Hours

KHP 147 Dance Foundations I ........................................................... 1

KHP 150 Soccer ................................................................................. 1

KHP 153 Volleyball ........................................................................... 1

KHP 154 Dance Foundations II ....................................................... 1

KHP 155 Principles of Conditioning .................................................. 1

KHP 156 Gymnastics ....................................................................... 1

KHP 157 Track and Field ................................................................. 1

KHP 159 Tennis ................................................................................ 1

KHP 160 Badminton ........................................................................ 1

KHP 161 Golf .................................................................................. 1

KHP 162 Outdoor Education Through Activities ................................ 1

KHP 163 Team Handball/New Games ............................................. 1

Content Area Courses (23 hours) Hours

KHP 200 The History and Philosophy of Physical Education and Sport ................................................................. 3

KHP 300 Psychology and Sociology of Physical Education and Sport ....................................................... 3

KHP 390 Dance Activities in the Elementary School ....................... 2

KHP 420G Physiology of Exercise .................................................... 3

KHP 445 Introduction to Tests and Measurements ................................ 3

KHP 515 Anatomical and Mechanical Kinesiology ................................................................. 3

KHP 560 Motor Development in Infants and Young Children ................ 3

KHP 579 Adapted Physical Education .................................................. 3

Major in Health Promotion (33 hours) Hours

KHP 430 Methods of Teaching Health Education ................................ 3

KHP 190 First Aid and Emergency Care ........................................... 2

KHP 220 Sexuality Education ........................................................... 2

KHP 222 Drug Education ................................................................. 2

KHP 230 Human Health and Wellness ............................................. 3

KHP 330 Planning and Implementing Health Education Programs ....................... 3

KHP 445 Introduction to Tests and Measurements ................................ 3

NFS 101 Human Nutrition and Wellness .......................................... 3

KHP 509 Workshop in Health and Safety (Experiential Health Education) ....................... 3

Choose at least nine hours from the following courses:

KHP 240 Nutrition and Physical Fitness ............................................. 3

KHP 395 Independent Study in Kinesiology and Health Promotion ............................................................................ 3

*KHP 509 Workshop in Health and Safety (Experiential Health Education) ....................... 1-3

BSC 331 Behavioral Factors in Health and Disease .................................... 3

FAM 252 Introduction to Family Science ........................................... 3

HSM 250 Introductory Epidemiology .................................................. 3

*May be repeated under different topic names for up to three credit hours.

B.A. in Education with a major in KINESIOLOGY

(Non-Teacher Certification Program)

Requirements for Program

The Department of Kinesiology and Health Promotion offers undergraduate courses and degree programs in kinesiology (physical education) and health promotion. The kinesiology program (non-teacher certification) offers options in business and exercise science leading to occupations in the athletics and sports industries. The kinesiology program is guided by the standards of the National Association for Sport and Physical Education (NASPE).

The B.A. in Kinesiology requires comple-

tion of: (a) the University Studies Program; (b) specified course work in program related studies, professional kinesiology requirements, education course requirements; (c) practicum in recreation; (d) specified course work in the specialization areas of business or exercise science; and (e) a minimum of 128 semester hours.

Continuous Assessment

1. The kinesiology program stimulates higher performance goals for high-performing students by offering several modes of performance: (a) skills in performing physical activities; (b) skills in writing and oral presentations in theory courses; (c) computer technological skills in some courses; and (d) leadership skills by high-performing students are often used in classes through class leaders, peer tutors, and/or assistant instructors.

2. Students must maintain a 2.0 GPA for retention in and exit from the program with a bachelor's degree. After 60 hours, students must be admitted to advanced standing. Students who demonstrate a lack of commitment, effort, professional behavior, knowledge, or disciplinary skills, or who have not maintained the necessary GPA overall and in the major courses may be removed from the program and the college.

University Studies (39-53 hours)

*See University Studies Program section of this Bulletin for listing of allowable USP courses.

Program Related Course Requirements (15 hours)

*ANA 209 Principles of Human Anatomy ........................................... 3

*PGY 206 Elementary Physiology ..................................................... 3

**NFS 101 Human Nutrition and Wellness ........................................ 3

*PSY 100 Introduction to Psychology ............................................... 4

KHP 115 Service Course (Gymnastics) ............................................. 1

KHP Service Course Elective [Business option only] .......................... 1

KHP 120 Service Course (Weight Training) [Exercise option only] ....... 1

*Prerequisite: biology or zoology course(s)

**May be used for USP credit.

Professional Kinesiology Requirements (33-37 hours)

Professional Activity Courses

KHP 155 Principles of Conditioning .................................................. 1

KHP 157 Track and Field ................................................................. 2

KHP 152 Techniques of Swimming .................................................. 1

or

KHP 252 Water Safety Leadership ................................................... 2

The Business option and the Exercise option require five courses from the following list:

KHP 147 Dance Foundations I ........................................................... 1

KHP 150 Soccer ................................................................................. 1

KHP 153 Volleyball ........................................................................... 1

KHP 154 Dance Foundations II ....................................................... 1

KHP 156 Gymnastics ....................................................................... 1

KHP 159 Tennis ................................................................................ 1

KHP 160 Badminton ........................................................................ 1

KHP 161 Golf .................................................................................. 1

KHP 162 Outdoor Education Through Activities ................................ 1

KHP 163 Team Handball/New Games ............................................. 1
Exceptional Children ................................................. 3
EDS 375 Introduction to Education of
in Regular Classrooms ............................................... 3
EDU 305 contemporary Issues Facing the At-Risk
Management (prerequisite: any calculus course) ....... 3
EDP 202 Human Development and Learning ............... 3
DIS 300 Quantitative Analysis in Operations
MGT 301 Business Management .................................. 3
FIN 300 Corporation Finance ....................................... 3
MKT 300 Marketing Management ............................... 3
ECO 202 Principles of Economics II ........................... 3
ECO 201 Principles of Economics I ............................. 3
ACC 202 Managerial Uses of
ACC 201 Financial Accounting I ................................ 3
CS 101 Introduction to Computing I .......................... 3
Area of Specialization in Exercise
Science
CHE 104/106 Introductory General Chemistry and
Introduction to Inorganic, Organic
and Biochemistry .................................................... 7
PHY 211 General Physics .......................................... 5
KHP 240 Nutrition and Physical Fitness ..................... 3
STA 291 Statistical Method ........................................ 3
KHP 340 Athletic Training ........................................ 2
POV 4120 Principles of Human Physiology Lectures4
Practicum (required for both options)
KHP 577 Practicum in Kinesiology
and Health Promotion ............................................... 6
Electives (3-9 hours)
Electives may vary to meet the 128 hour graduation
requirement.

B.A. in Education with a major in
LEARNING AND BEHAVIOR DISORDERS (LBD)

Requirements for Program

Two undergraduate programs are offered in special education: (1) learning and behavior
disorders (LBD) and moderate and severe
disabilities (MSD). Both of these programs
support the College of Education’s theme of
teacher as a reflective decision maker. Special
education teachers are prepared to assess,
plan, and teach based on what they learn from
their students and to conduct continuous self-
reflection in order to improve their teaching.
The standards and competencies on which the
LBD and MSD programs are based are those
prescribed by The Council for Exceptional
Children and The Kentucky New Teacher
Standards.

The B.A. program in Learning and Behavior
Disorders (LBD), P-12 is a dual major
which is linked to the early elementary, P-5 or
middle school, 5-9 certification program. The
purpose of the LBD program is to prepare
students to teach individuals with disabilities
(including learning disabilities, emotional/behavior
disorders, mild mental disabilities,
other health impaired, and physical disabilities)
in primary through twelfth grades. The
LBD program’s link to early elementary or
middle school results in a second certification
in early elementary (Primary-Grade 5) or
middle school (Grades 5-9) teaching. The
dual nature of the LBD program (linking
elementary or middle school certification with
LBD) creates a 154-171 credit hour program
of study for Early Elementary/LBD students
and a 135-166 credit hour program for Middle
School/LBD students. Advising early in the
B.A. program is essential in order to complete
the requirements in a timely fashion.

Continuous Assessment

1. All students in the LBD program are
expected to meet the standards and rules for
Admission, Retention and Exit from the Teacher
Education Program (TEP) as set forth in the
section “Admission, Retention and Exit from
Teacher Education Programs” on page 145.

2. Assessment at the Point of Entry to
the LBD Program. The admission process
provides the first point for formal assessment
of the competencies outlined in the LBD program.
Students applying for admission must:
(a) meet the requirements for TEP admission;
(b) be enrolled in or have successfully
completed a special education survey course (EDS
375) and practicum (EDS 357); (c) be able to
articulate, orally and in writing, their philosophy
of teaching and their experiences with persons
with disabilities; and (d) prepare an acceptable
extemporaneous writing sample. Entry level
assessments will be conducted by program
faculty representatives through analysis of TEP
application materials, portfolio entries, and an
entrance interview.

3. On-going Assessment. Once a stu-
dent is admitted to the TEP, he/she meets with
an advisor from the LBD program faculty to
plan the remainder of the program. Prior to the
student-teaching semester, the student must
present a portfolio that documents his/her
progress toward meeting program competen-
cies in the courses completed up to that point.
Mid-point assessments will be conducted by
program faculty representatives through analysis
of transcripts, and portfolio entries, as well as
performance in practica courses.

4. Exit Assessment. At the exit assess-
ment, students must document that they have
met all program competencies. Exit assess-
ments will be conducted by program faculty
representatives through a formal analysis of
transcripts, student portfolios, and student
teaching evaluations. In addition each student
must earn passing scores on the required
PRAXIS exams.

Statement on Student Teaching

Student teaching in the LBD program is
shared with the elementary or middle school
program depending on their choice for the
dual major. The student completes eight weeks
of student teaching in elementary or middle
school and eight weeks in an LBD classroom.
Both placements are completed during the
same semester.

Special Education/LBD – Early
Elementary Education Option

University Studies Component (43-57
hours)

Basic Skills
A. MA 109 or MA 110 or Math ACT 26 or
UK by-pass exam or any calculus course ............ 0-3
B. Two semesters foreign language or
two years high school foreign language .............. 0-8
Inference and Communication Skills
A. Calculus (MA 123) or STA 202 plus PHI 120 or PHI 320 3-6
B. Writing (ENG 101 and 102) or ENG 105 6
C. Oral Communication (COM 181) 3

Disciplinary Requirements
A. Natural Sciences
BIO 102 and BIO 103 and BIO 111 7
B. Social Sciences
Select a total of two different courses from among anthropology, economics, geography, political science, and sociology. For example, choose one sociology course and one anthropology course for a total of six credits from two different disciplines. 6
C. Humanities 6
D. HIS 104, HIS 105, ENG 261 and ENG 262 or HIS 108, HIS 109, ENG 334 and ENG 335
These courses will fulfill the Electives requirement as well.

Cross-Cultural 3
One course from anthropology, geography, or political science. The course must be in a discipline other than those chosen to fulfill the requirements for the discipline Social Sciences requirements.

Electives 6
See notation under Humanities above.

Program Related Studies (27-30 hours)
A-E 270 Introduction to Art Education 2
A-E 272 Workshop in Design Education 2
MUS 261 Teaching Music in the Elementary Grades I (fall only) 2
MUS 261 Teaching Music in the Elementary Grades II (spring only) 2
MA 201 Mathematics for Elementary Teachers (prereq: MA 109) 3

*MA 202 Mathematical Problem Solving for Elementary Teachers (spring and summer only) 3
*MA 202 has a prerequisite of a grade of C or better in MA 201. Also recommended is a course in logic (e.g. PHI 120), or a course in calculus (e.g. MA 123)

PSY 100 Introduction to Psychology 4
*PHI 100 Introduction to Philosophy: Knowledge and Reality or
*PHI 130 Introduction to Philosophy: Morality and Society 3
GLY 160 Geology for Elementary Teachers 3
PHY 160 Physics and Astronomy for Elementary Teachers 3
*If PHI 120 was not taken to fulfill USP Inference and Communication Skills area.

Social Science 3
Take one additional social science course from one of the same social science disciplines taken in USP Disciplinary Requirements Social Sciences area.

Professional Education Requirements (38 hours)
General Courses
EDP 202 Human Development and Learning 3
EPE 301 Education in American Culture 3

Early Elementary Professional Introduction Courses
LIS 510 Children’s Literature and Related Materials 3
KHP 380 Health Education in the Elementary School 2
KHP 382 Physical Education for Elementary School Teachers 2

EDC 317 Introduction to Instructional Media 1
EDC 329 Teaching Reading and Language Arts 3

Early Elementary Professional Block
(These blocks of courses are taken during the same semester.)
EDC 322 Elementary Practicum 3

EDC 326 Teaching Social Studies in the Elementary School 3
EDC 328 Teaching Science in the Elementary School 3
EDC 337 Teaching Mathematics in the Elementary Schools 3
EDC 339 Designing a Reading and Language Arts Program for the Elementary School 3

Early Elementary Student Teaching
EDC 433 Student Teaching in the Elementary School (To be completed the same semester as LBD student teaching) 6

Area of Specialization: Special Education Requirements (34 hours)

Special Education Core Courses
EDS 357 Initial Practicum in Special Education 1
EDS 375 Introduction to Education of Exceptional Children 3
(Must have earned a C or better in the above courses before admittance to TEP)

EDS 510 Early Childhood Special Education 3
EDS 513 Legal Issues in Special Education 3
EDS 514 Instructional Technology in Special Education 3
EDS 516 Principles of Behavior Management and Instruction 3
EDS 517 Assistive Technology in Special Education 3

LBD Area Requirement Courses
EDS 528 Educational Assessment for Students with Mild Disabilities 3
EDS 529 Educational Programming for Students with Mild Disabilities 3
EDS 589 Field Experiences: Mild Disabilities 3
EDS 459 Student Teaching in Special Education (To be completed the same semester as Elementary student teaching) 6

Special Education/LBD – Middle School Education Option

University Studies Component (39-51 hours)
See the University Studies Program section of this Bulletin for a listing of allowable courses in each area.

Program Related Studies (13 hours)
MA 201 Mathematics for Elementary Teachers 3
MA 202 Mathematical Problem Solving for Elementary Teachers 3
PSY 100 Introduction to Psychology 4
PHY 160 Physics and Astronomy for Elementary Teachers 3

*If PHI 120 was not taken to fulfill USP Inference and Communication Skills area.

Professional EducationRequirements (28 hours)

General Courses
EDP 202 Human Development and Learning 3
EPE 301 Education in American Culture 3

Middle School Courses
(All the following courses require admission to the TEP)
EDS 317 Instruction to Instructional Media 1
EDC 329 Teaching Reading and Language Arts 3
EDC 341 Middle School Curriculum and Instruction 3
EDC 330 Designing a Reading and Language Arts Program for the Middle School 3
EDC 343 The Early Adolescent Learner: Practicum 3

Middle School Special Methods Courses
Select one of the following to match the student’s chosen Middle School Area of Specialization.
EDC 345 Teaching Mathematics in the Middle School 3
EDC 346 Teaching Social Studies in the Middle School 3
EDC 347 Teaching English and Communication in the Middle School 3
EDC 348 Teaching Science in the Middle School 3
EDC 349 Student Teaching in the Middle School (To be completed the same semester as LBD student teaching) 6

Middle School Content Area Specialization (24-34 hours)

Students wishing to be certified as Middle School teachers in addition to Special Education/LBD must select a content area specialization from English and Communication, Mathematics, Social Studies, or Science.

English and Communication (30 hours)

NOTE: Students should work closely with an advisor for the requirements in English and Communication.

The UK English curriculum has undergone significant revision, which will be reflected in this section in the 2004-2005 Bulletin.

In order to make up the required 30 hours of the English and Communication area, students are encouraged to take LIS 514 Literature and Related Media for Young Adults or LIS 510 Children’s Literature and Related Materials (3 hours). The middle school faculty is currently working formally to add this requirement to the English and Communication area.

Required
*COM 181 Basic Public Speaking 3
*COM 252 Introduction to Interpersonal Communication 3
*ENG 335 Survey of American Literature I (another American Literature course may be substituted) 3
*ENG 509 Composition for Teachers (fall only) 3

Select three courses from the following group
CLA 261 Literary Masterpieces of Greece and Rome 3
ENG 211 Introduction to Linguistics I 3
ENG 301 Style for Writers or ENG 401 Special Topics in Writing (Subtitle required) or ENG 306 Introduction to Professions in Writing 3

Select two courses beyond University Studies in theatre, journalism, or English as a second language 6

*Six of these hours can be counted from University Studies.

Mathematics (24-25 hours)

The requirements for students choosing mathematics as an area of specialization are based on standards developed by the National Council of Teachers of Mathematics, KERA Goals and Academic Expectations, and the Core Content for Assessment. The NCTM standards for middle grades include four common threads (reasoning, communication, problem solving, and connections) as well as content area standards of number, computation and estimation, probability, statistics, algebra, geometry, and measurement. Kentucky’s Goals and Academic Expectations and the Core Content for Assessment focus mathematics instruction on seven core areas: number, mathematical procedures, mathematical structure, measurement, space and dimensionality, change, and data.

Required
MA 201 Mathematics for Elementary Teachers 3
MA 202 Mathematical Problem Solving for Elementary Teachers 3
CS 101 Introduction to Computing I 3

*MA 123 Elementary Calculus and Its Applications or
*MA 113 Calculus I 3

**STA 291 Statistical Methodology 3
MA 310 Mathematical Problem Solving for Teachers ........................................ 3
MA 341 Topics in Geometry (fall only) ......................................................... 3
MA 162 Finite Mathematics and Its Applications ........................................ 3

*Up to six credits may be counted from University Studies

**If STA 200 was taken to fulfill Inference and Communication Skills of University Studies, STA 291 is still required.

**Science** (31-34 hours)

The content area preparation required for students in the middle school education program is based on the standards adopted by the National Science Teacher’s Association as well as Kentucky’s Core Content for Science Assessment and New Teacher Standards. It is important that science teachers have strong content preparation in the sciences.

This is needed to communicate modes of scientific inquiry, select appropriate learning experiences, guide students in their early scientific efforts, and help students apply scientific knowledge and skills in their daily lives.

**Required**

BIO 150 Principles of Biology I ................................................................. 3
BIO 151 Principles of Biology Laboratory I .............................................. 2
BIO 152 Principles of Biology II ............................................................... 3
BIO 325 Introductory Ecology .................................................................... 4
Select one of the following sequences in Chemistry, Geology, and Physics to complete 9-10 hours:

**Sequence 1**

CHE 105 General College Chemistry I ..................................................... 3
CHE 107 General College Chemistry II .................................................... 3
CHE 115 General Chemistry Laboratory .................................................. 3

**Sequence 2**

GLY 220 Principles of Physical Geology .................................................. 4
GLY 230 Foundations of Geology I .......................................................... 3
Elective in Earth Science ........................................................................... 3

**Sequence 3**

PHY 211 General Physics .......................................................................... 5
PHY 213 General Physics .......................................................................... 5
In addition, students must complete a minimum of five hours in each of the two physical sciences remaining. These five hours must include laboratory work in each area. Six credits total can be counted from University Studies. Students who wish to use Physics as the science for one five hour block, may also choose the sequence: PHY 151, Introduction to Physics; PHY 152, Introduction to Physics; and PHY 153, Laboratory for Middle School Teachers.

**Social Studies** (33 hours)

The middle school social studies teacher preparation program is guided by two principles: First, a commitment to continuous improvement based on reflection, evaluation, and on-going research; second, a commitment to peer collaboration as a source of professional growth. The program is guided by the National Council for Social Studies, document, Expectations of Excellence, and the Kentucky New Teacher Standards.

**Area 1 – World Regional Geography and Cultural Anthropology** (9 hours)

**Required**

GEO 152 Regional Geography of the World .......................................... 3
ANT 241 Origins of Old World Civilization ........................................... 3
Select one from the following courses:

ANT 242 Origins of New World Civilization ....................................... 3
GEO 172 Human Geography ................................................................. 3
GEO 160 Lands and Peoples of the Non-Western World ....................... 3
SOC 354 The Family in Cross-Cultural Perspective .............................. 3

**Area 2 – World History** (9 hours)

Select one from the following courses:

HIS 104 A History of Europe Through the Mid-Seventeenth Century .......... 3
HIS 295 East Asia to 1800 ........................................................................ 3
HIS 254 History of Sub-Saharan Africa .................................................. 3
HIS 206 History of Colonial Latin America, 1492 to 1810 ...................... 3
HIS 247 History of Islam and Middle East Peoples, 500-1250 A.D. ............ 3
HIS 248 History of Islam and Middle East Peoples, 1250 to the Present ....... 3
HIS 385 History of Russia to 1825 ......................................................... 3

Area 3 – American History (9 hours)

While most students will take HIS 108 and 109, those who had either AP American history or received an A in their high school American history course, should be advised to select courses above the 100 level.

Select nine hours from the following courses:

HIS 108 History of the United States Through 1865 .............................. 3
HIS 109 History of the United States Since 1865 ..................................... 3
HIS 260 Afro-American History to 1865 ................................................. 3
HIS 265 History of Women in America .................................................. 3
HIS 465 Emergence of Modern America, 1877-1917 ............................. 3

Area 4 – Sociology, Political Science and Economics Electives (6 hours)

Students must select six hours from one of the following disciplines: sociology, political science or economics. At least three of the hours must be at the 300 level or above.

Select nine hours total can be counted towards the Social Studies subject area from University Studies.

**Courses Required for the LBD Program** (34 hours)

**Special Education Core Courses**

EDS 357 Initial Practicum in Special Education ....................................... 1
EDS 375 Introduction to Education of Exceptional Children .................. 3
[Must have earned a C or better in the above courses before admittance to TEP.]

EDS 510 Early Childhood Special Education ......................................... 3
EDS 513 Legal Issues in Special Education ............................................. 3
EDS 514 Instructional Technology in Special Education .......................... 3
EDS 516 Principles of Behavior Management and Instruction ................. 3
EDS 571 Assistive Technology in Special Education ................................. 3

**LBD Area Requirement Courses**

EDS 528 Educational Assessment for Students with Mild Disabilities .......... 3
EDS 529 Educational Programming for Students with Mild Disabilities ....... 3
EDS 589 Field Experiences: Mild Disabilities ......................................... 3
EDS 459 Student Teaching in Special Education (To be completed the same semester as Middle School student teaching) ....................... 6

Electives

Variable for total program of 128 hours.

**B.A. in Education with a major in MIDDLE SCHOOL EDUCATION**

**Program Description**

The Middle School Teacher Education Program (Middle School TEP) supports the College of Education’s focus on the teacher as a reflective decision maker. The program emphasizes the development of professionally trained specialists in teaching early adolescents. As such, the program models team teaching and collaborative learning. Active learning experiences are emphasized, as are real-world connections. Throughout the program, students are encouraged to consider their present position and make plans for improvement. Students are urged to gather data continuously and to use this data in planning effective instruction. Students are required to provide questions for reflection when writing lessons they do not teach and to provide reflective summaries as part of lesson plans which are delivered to students. Students are provided time and resources to revise and improve curricular materials they develop within the program. Students assess their own progress through the program’s curriculum, preparing them for the continuous self-assessment required of practicing professionals.

To receive the B.A. degree in Middle School Education, students must: (1) complete the University Studies Program; (2) complete all required program-related studies and the professional education course sequence; and (3) complete the content area requirements in each of two areas of specialization. Available content specialization areas are: English and Communication, Mathematics, Science, Social Studies, and Special Education/LBD.

**Continuous Assessment**

1. All middle school education students are expected to meet the standards and rules for Admission, Retention and Exit from Teacher Education Programs as set forth in the section “Admission, Retention and Exit from Teacher Education Programs” on page 145.

2. **Assessment at the Point of Entry to the Middle School Program.** The admission process provides the first point for formal assessment of the competencies outlined by the standards documents which guide the middle school education program. Basic skills standards must be met and students must be making satisfactory progress towards professional and content area proficiency in order for students to win admission.

3. **On-going Assessment.** Once a student is admitted to the program, he/she meets with an advisor to plan the remainder of the program. The focus of this initial advising session is to begin a professional development plan which ensures that all standards will be met by program exit.

4. **Exit Assessment.** At the exit assessment, students must show competency in all relevant standard areas. This is done through a final review of the eligibility portfolio, review of information provided by the cooperating teacher and university supervisor, and documentation of remediation of any weaknesses noted at the formal review in the methods semester.

**Statement on Student Teaching**

Student teaching in middle school education is 16 weeks. Middle school certification re-
quires students to be certifiable in two aca-
demic subject areas, which requires two stu-
dent teaching placements. Students seeking both Middle School and Special Education/LBD certification will register for:

EDC 349 Student Teaching in the Middle School .... 6
and
EDS 459 Student Teaching in Special Education .... 6

University Studies Component (39-53 hours)

Note: See the University Studies Program section of this Bulletin for a listing of allowable courses in each area below.

Basic Skills
A. MA 109 or Math ACT 25 or UK by-pass exam or any calculus course ........................................ 0-4
B. Two semesters foreign language or two years high school foreign language .................................... 0-8

Inference and Communication Skills
A. Any calculus course or STA 200 and PHI 120 or 320 .............................................................. 3-6
B. (ENG 101 and ENG 102) or ENG 105 .......................................................... 3-6
C. Oral Communication ................................................................. 3

Disciplinary Requirements
A. Natural Sciences ...................................................................................... 6
B. Social Sciences .......................................................................................... 6
C. Humanities .................................................................................................. 6

Cross-Cultural Requirements ........................................................... 3

Electives ......................................................................................................... 6

Program Related Studies (4-13 hours)

PSY 100 Introduction to Psychology .................................................. 4

Additional Program Related Studies only for students seeking both Middle School and Special Education/LBD certification:
MA 201 Mathematics for Elementary Teachers .................................. 3
MA 202 Mathematical Problem Solving for Elementary Teachers ........ 3
PHY 160 Physics and Astronomy for Elementary Teachers ................. 3

Professional Education Courses (40 hours)

The National Middle School Association (NMSA) describes six broad areas of competence for middle grade teachers. These are: (1) early adolescent development, (2) middle grades curriculum, (3) middle grades instruction, (4) middle grade school organization, (5) families and community relations, and (6) middle grades teaching roles. With the support of a liberal arts foundation provided by the University Studies requirements and the content area knowledge provided by the requirements detailed above, the professional education requirements of the program endeavor to provide a firm foundation in each of these six areas.

*EDP 202 Human Development and Learning .................................. 3
*EDP 203 Teaching Exceptional Learners ........................................... 3
*EPE 301 Education in American Culture ......................................... 3

All of the following courses require admission to the
teacher education program:

EDC 317 Introduction to Instructional Media ......................................... 1
*EDC 329 Teaching Reading and Language Arts (EDC 329 is a prerequisite to EDC 330) ............... 3
*EDC 341 Middle School Curriculum and Instruction (spring only) .................................................. 3
*EDC 330 Designing a Reading and Language Arts Program for the Middle School (fall only) ........... 3
*EDC 343 Early Adolescent Learner: Practicum (fall only) ................................................................. 3

Choose from:
EDC 345 Teaching Mathematics in the Middle School
EDC 346 Teaching Social Studies in the Middle School
EDC 347 Teaching English and Communication in the Middle School
EDC 348 Teaching Science in the Middle School

**EDC 349 Student Teaching in the Middle School .................................................. 12
*These courses include clinical and/or field hours.
**Students seeking Special Education/LBD certification register for only six hours of EDC 349.

Note: EDC 330, EDC 343, and the two methods classes will be taken as a block in a fall semester.

Content Area Courses (24-34 hours)

Students wishing to become certified in middle school (grades 5-9) must select two of the following content areas of specialization. Course requirements, particularly in the areas of English and Communication and Mathematics, have been prioritized to reflect prerequisite knowledge. Students should plan course work in these areas with the assistance of an advisor. Students seeking Special Education/LBD certification should meet with their Special Education advisor for assistance with the Special Education/LBD content area.

English and Communication (30 hours)

NOTE: Students should work closely with an advisor for the requirements in English and Communication. The UK English curriculum has undergone significant revision, which will be reflected in this section in the 2004-2005 Bulletin.

In order to make up the required 30 hours of the English and Communication area, students are encouraged to take LIS 514 Literature and Related Media for Young Adults or LIS 510 Children’s Literature and Related Materials (3 hours). The middle school faculty is currently working formally to add this requirement to the English and Communication area.

**Required**
*COM 181 Basic Public Speaking ....................................................... 3
*COM 252 Introduction to Interpersonal Communication ....................... 3
*ENG 335 Survey of American Literature II ........................................... 3
*Another American Literature course may be substituted
ENG 509 Composition for Teachers (fall only) ...................................... 3

Select three courses from the following group:
CLA 261 Literary Masterpieces of Greece and Rome ................ 3
ENG 211 Introduction to Linguistics I ................................................... 3
ENG 301 Style for Writers or ENG 401 Special Topics in Writing
(Subtitle required) or ENG 306 Introduction to Professions in Writing ............ 3

Select two courses beyond UniversityStudies in theatre, journalism, or English as a second language ............... 6
*Six of these hours can be counted from University Studies.

Mathematics (24-25 hours)

The requirements for students choosing mathematics as a content area of specialization are based on standards developed by the National Council of Teachers of Mathematics, KERA Goals and Academic Expectations, and the Core Content for Assessment. The NCTM standards for middle grades include five common threads (reasoning, communication, problem solving, and connections) as well as content area standards of number, computation and estimation, probability, statistics, algebra, geometry, and measurement. Kentucky’s Goals and Academic Expectations and the Core Content for Assessment focus mathematics instruction on seven core areas: number, mathematical procedures, mathematical structure, measurement, space and dimensionality, change, and data.

**Required**
MA 201 Mathematics for Elementary Teachers ................................. 3
MA 202 Mathematical Problem Solving for Elementary Teachers ........ 3
CS 101 Introduction to Computing ................................................ 3
*MA 123 Elementary Calculus and Its Applications ............................... 3
or
MA 113 Calculus I .................................................................................. 4
**STA 291 Statistical Method ................................................................. 3
MA 310 Mathematical Problem Solving for Teachers ......................... 3
MA 341 Topics in Geometry (fall only) .................................................. 3
MA 162 Finite Mathematics and Its Applications ............................... 3

*Up to six credits may be counted from University Studies.

**If STA 291 was taken to fulfill Inference and Communication Skills of University Studies, STA 291 is still required.

Science (31-34 hours)

The content area preparation required for students in the middle school education program is based on the standards adopted by the National Science Teacher’s Association as well as Kentucky’s Core Content for Science Assessment and the New Teacher Standards. It is important that science teachers have strong content preparation in the sciences. This is needed to communicate modes of scientific inquiry, select appropriate learning experiences, guide students in their early scientific efforts, and help students apply scientific knowledge and skills in their daily lives.

**Required:** (12 hours)
BIO 150 Principles of Biology I .......................................................... 3
BIO 151 Principles of Biology Laboratory I ........................................... 2
BIO 152 Principles of Biology II ............................................................ 3
BIO 325 Introductory Ecology .............................................................. 4
Select one of the following four sequences in Chemistry, Geology, and Physics (9-10 hours)

**Sequence 1**
CHE 105 General College Chemistry .......................................................... 3
CHE 107 General College Chemistry II ................................................. 3
CHE 115 General Chemistry Laboratory .................................................. 3

**Sequence 2**
GLY 220 Principles of Physical Geography ........................................ 4
GLY 230 Fundamentals of Geology I ...................................................... 3
Elective in Earth Science .............................................................

**Sequence 3**
PHY 211 General Physics (Physics Sequence I) ..................................... 5
PHY 213 General Physics (Physics Sequence I) ..................................... 5

In addition, students must complete a minimum of five hours in each of the two physical sciences remaining. These five hours must include laboratory work in each area. * Six credits total can be counted from University Studies (10-12 hours).

*Students who wish to use physics as the science for one five hour block may also choose the sequence: PHY 151 Introduction to Physics; PHY 152, Introduction to Physics; and PHY 153, Laboratory for Middle School Teachers.

Social Studies (33 hours)

The middle school social studies content area teacher preparation program is guided by two principles: first, a commitment to continuous improvement based on reflection, evaluation, and on-going research; second, a commitment to peer collaboration as a source of professional growth. The program is guided by the National Council for Social Studies document, Expectations of Excellence, and the Kentucky New Teacher Standards.

Area 1 – World Regional Geography and Cultural Anthropology (9 hours)

**Required**
GEO 152 Regional Geography of the World ........................................ 3
ANT 241 Origins of Old World Civilization .................................... 3
Select one from the following courses:

ANT 242 Origins of New World Civilization ................. 3
GED 172 Human Geography ........................................ 3
GED 160 Lands and Peoples of the Non-Western World .... 3
SOC 354 The Family in Cross-Cultural Perspective .......... 3

**Area 2 – World History (9 hours)**

Select nine hours from the following courses:

His 104 History of Europe Through the Meid-Seventeenth Century .................................................. 3
His 295 East Asia to 1800 .................................................. 3
His 254 History of Sub-Saharan Africa ................................. 3
His 206 History of Colonial Latin America, 1492-1810 .................. 3
His 247 History of Islam and Middle East Peoples, 500-1250 AD .... 3
His 248 History Islam and Middle East Peoples, 1250 to the Present ......................................................... 3
His 385 History of Russia to 1825 ....................................... 3

**Area 3 – American History (9 hours)**

While most students will take HIS 108 and 109, those who had either AP American history or received an A in their high school American history course, should be advised to select courses above the 100 level.

Select nine hours from the following courses:

HIS 108 History of the United States Through 1865 .......... 3
HIS 109 History of the United States Since 1865 .......... 3
HIS 260 Afro-American History to 1865 .............................. 3
HIS 265 History of Women in America .............................. 3
HIS 465 Emergence of Modern America, 1877-1917 .... 3

**Area 4 – Sociology, Political Science and Economics Electives (6 hours)**

Students must select six hours from one of the following disciplines: sociology, political science or economics. At least three of these hours must be at the 300 level or above. Six credits total can be counted towards the Social Studies subject area from University Studies.

**Special Education/LBD (34 hours)**

(Open only to students seeking both Middle School and Special Education/LBD certification. Students who plan to complete the Special Education LBD requirements complete only one of the above content areas of specialization. If a student changes plans and completes only the Middle School content area, an additional approved Middle School content area of specialization must be completed.) Students seeking both the Middle School and Special Education/LBD certification will have an advisor in the Department of Special Education and Rehabilitation Counseling.

**Special Education Core Courses**

EDS 357 Initial Practicum in Special Education ............. 1
EDS 375 Introduction to Education of Exceptional Children ......................................................... 3
(Must have earned a C or better in the above courses before admittance to TEP.)
EDS 510 Early Childhood Special Education .................. 3
EDS 513 Legal Issues in Special Education .................... 3
EDS 514 Instructional Technology in Special Education .......... 3
EDS 516 Principles of Behavior Management and Instruction ............................................. 3
EDS 517 Assistive Technology in Special Education .......... 3

**LBD Area Requirement Courses**

EDS 528 Educational Assessment for Students with Mild Disabilities .................................................. 3
EDS 529 Educational Programming for Students with Mild Disabilities ............................................. 3
EDS 589 Field Experiences: Mild Disabilities ................. 3
EDS 459 Student Teaching in Special Education (to be completed the same semester as elementary student teaching) ......................................................... 6

**B.S. in Education with major in MODERATE/SEVERE DISABILITIES**

**Requirements for Program**

Two undergraduate programs are offered in special education: (1) learning and behavior disorders (LBD) and moderate and severe disabilities (MSD). Both of these programs support the College of Education’s theme of teacher as a reflective decision maker. Special education teachers are prepared to assess, plan, and teach based on what they learn from their students and to conduct continuous self-reflection in order to improve their teaching. The standards and competencies on which the LBD and MSD programs are based are those prescribed by The Council for Exceptional Children and The Kentucky New Teacher Standards.

The B.S. in Education program in Moderate/Severe Disabilities (MSD) requires completion of: (a) the University Studies Program; (b) specified course work in Related Studies and Professional Education; and (c) specified course work in the special education and MSD area of specialization. Students graduating from the certification program the program obtain a single Kentucky teacher certificate in MSD (grades P-12). Graduates are qualified to teach in classes for students with functional mental disabilities (grades P-12). Students are required to complete a minimum of 128 hours for graduation. It is possible to complete this certificate in four years. In addition to the undergraduate program, an initial certificate in MSD (grades P-12) is offered at the graduate level (See the University of Kentucky Graduate School Bulletin).

**Continuous Assessment**

1. All students in the MSD program are expected to meet the standards and rules for Admission, Retention, and Exit from Teacher Education Programs as set forth in the section “Admission, Retention and Exit from Teacher Education Programs” on page 145.

2. **Assessment at the Point of Entry to the MSD Program**

   The admission process provides the first point for formal assessment of the competencies outlined in the Initial Certification Program Folio for the program. Students who apply for admission must: (a) meet the requirement for admission to the Teacher Education Program; (b) have successfully completed a special education survey course and practicum; and (c) be able to articulate their philosophy of teaching and document their experiences with persons with disabilities in an initial portfolio and an entrance interview.

3. **On-going Assessment.** Once a student is admitted to the program, he/she meets with an advisor to plan the remainder of the program. Prior to the student teaching semester, the student must present a portfolio that documents his/her progress toward meeting program competencies in the courses completed.

4. **Exit Assessment.** At the exit assessment, students must document that they have met all program competencies through a final review of their portfolio and the successful completion of student teaching in a public school placement for students with MSD.

**Statement on Student Teaching**

Student teaching in the MSD program is 16 weeks and consists of eight weeks in an elementary placement and eight weeks in a middle or secondary placement for students with MSD.

**University Studies Component (39-51 hours)**

See the University Studies Program section of this Bulletin for a listing of allowable courses in each area.

**Program Related Studies (22 hours)**

PSY 100 Introduction to Psychology .................................. 4
MA 201 Mathematics for Elementary Teachers ................. 3
MA 202 Mathematical Problem Solving for Elementary Teachers .............................................................. 3
*Biological or Physical Science Sequence .......................... 6
*If biological science was taken in University studies, take physical science, six credit hours. If physical science was taken University Studies, take biological science, six hours.
ENG 240 Technical Writing ........................................... 3
LIS 510 Children’s Literature and Related Materials ........ 3

**Professional Education Courses (13 hours)**

All of the following courses requires admission to the Teacher Education Program.

EDC 329 Teaching Reading and Language Arts ................. 3
EDC 303 Designing a Reading and Language Arts Program for the Elementary School ......................... 3
EDC 337 Teaching Mathematics in the Elementary Schools ......................................................... 3
KHP 382 Physical Education for Elementary School Teachers ......................................................... 2
MUS 260 Teaching Music in the Elementary Grades 1 or A-E 270 Introduction to Art Education or KHP 390 Dance Activities in the Elementary School ......................................................... 2

**Area of Specialization: Special Education Requirements (47 hours)**

**Special Education Core Requirements**

EDS 357 Initial Practicum in Special Education ............. 1
EDS 375 Introduction to Education of Exceptional Children ......................................................... 3
All of the following courses require admission to the Teacher Education Program.

EDS 510 Early Childhood Special Education .................. 3
EDS 513 Legal Issues in Special Education .................... 3
EDS 514 Instructional Technology in Special Education .......... 3
EDS 516 Principles of Behavior Management and Instruction ............................................. 3
EDS 517 Assistive Technology in Special Education .......... 3
**Moderate/Severe Disabilities Areas Requirements**

EDS 530 Moderate and Severe Disabilities ................. 3
EDS 546 Transdisciplinary Services for Students with Multiple Disabilities or
EDS 547 Collaboration and Inclusion in School and Community Settings ................................................. 3
EDS 548 Curriculum Design for Students with Moderate and Severe Disabilities ............................................. 3
EDS 549 Methods for Students with Moderate and Severe Disabilities ......................................................... 4
EDS 550 Student Teaching: Moderate and Severe Disabilities ........................................................................ 12

Students must complete all special education courses with a GPA of 2.5 or better before they can student teach.

**Electives** .......................................................... 0-9

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**B.A. in Education with a major in SECONDARY EDUCATION**

**Option: English Education**

**Requirements for Program**

This B.A. includes completion of an approved plan in the academic specialty teaching of English. The approved major in the academic specialties for teaching is entitled “English major for secondary education,” to distinguish it from the A&S major and minor. No certification is awarded with the B.A. Students desiring to go on to Master’s with initial certification must apply to The Graduate School and apply to the Secondary English Program Faculty in the spring of their senior year.

To receive the B.A. degree, students must:
(1) complete the University Studies Program; (2) complete at least 128 semester hours; (3) complete the requirements for one of the content area plans for secondary English education; (4) attain a grade-point average of at least 2.5 overall, in major, in minor, and in support area; and (5) complete 100 hours of fieldwork with adolescents through the required three hour course:

EDC 362 Field Experiences in Secondary Education ... 3

In 1996, the National Council of Teachers of English and the International Reading Association published *Standards for the English Language Arts*. This document identified six English language arts: reading, writing, speaking, listening, viewing, and visually representing. In addition, it presented an expanded definition of literacy, which reflects the ways technology and society have changed and will continue to change the ways in which we use language to communicate and to think. In order to prepare students for the literacy demands of today and tomorrow, English language arts education will need to address many different types and uses of language, including those that have traditionally been given limited attention in the curriculum. One such example is spoken language. Being literate in contemporary society means being active, critical, and creative users not only of print and spoken language but also of the visual language of film, television, photography and other media. Therefore, the content model should reflect the study of language and literacy through speech, theater, writing, and media.

The English education program prepares its pre-service teachers with such a model so that their students will succeed as effective language learners and users, equipped with the skills they need to become critically literate citizens, workers, members of society, and lifelong learners.

**Continuous Assessment**

1. All secondary education majors must be admitted to advanced standing after completing 60 hours. Advanced standing requires a 2.5 minimum GPA overall and review by the program faculty advisor for Secondary Education English.

2. Because certification occurs through the Masters in Education including certification (MIC), students should be aware that they will need to be formally admitted to the MIC program. Admission/Retention/Exit regulations for all teacher certification programs are specified in the section “Admission, Retention and Exit from Teacher Education Programs” on page 145.

3. Oral and written communication skills of applicants for the MIC program in English Education will be assessed at the time of the interview, and through the entrance portfolio.

4. At the time of application to the English Education program at the Master’s degree level, applicants are evaluated according to the following criteria: grade-point average, quality of work in the subject content area, Graduate Record Examination scores, graded and on-site writing tasks, verbal communication, quality of references, commitment to teaching, social awareness, educational experiences with diverse learners 14-18 years old, and multicultural experiences.

**Statement on Student Teaching**

There is no student teaching required for completion of the Secondary English Education major. Student teaching occurs as part of the Masters in Education with initial certification.

**Program Related Studies (3 hours)**

EDC 362 Field Experiences in Secondary Education ... 3

**Content Area Plans (69-81 hours)**

**Plan 1 (81 hours)**

English major for secondary education ................. 33 hours

*Major in a certifiable foreign language ................. 30 hours (certified in grades P-12)

English Support Area .......................................... 18 hours

*Students wishing to seek certification through the Masters in Education with initial certification must apply for acceptance by both the Secondary English Education Program Faculty and the Foreign Language Education Program Faculty.

**Plan 2 (69-72 hours)**

English major for secondary education ................. 33 hours

English Support Area .......................................... 18 hours

*Any University Approved Minor ............. 18-21 hours

*This minor must be planned with an appropriate departmental advisor if the student wishes to have it recorded on the UK transcript.

**Plan 3 (72 hours)**

English major for secondary education ................. 33 hours

English Support Area .......................................... 18 hours

*Teaching English as a Second Language support area ................................................................. 21 hours

*Completion of the Teaching English as a Second Language support area will qualify a certified teacher for the TESL endorsement.

**Plan 4 (75 hours)**

English major for secondary education ................. 33 hours

English Support Area .......................................... 18 hours

General Support Area ....................................... 24 hours

**English Major for Secondary Education**

(33 hours)

**NOTE:** Students should work closely with an advisor for the requirements in this section. The UK English curriculum has undergone significant revision, which will be reflected in this section in 2004-2005. The total English Major for Secondary Education should total 33-36 hours.

**Prerequisites**

ENG 331 Survey of British Literature I .................... 3
Select two (six hours):
ENG 332 Survey of British Literature II .................. 3
ENG 334 Survey of American Literature I ................ 3
ENG 335 Survey of American Literature II .............. 3

**Required Content Courses (24 hours)**

**Literature Component (12 hours)**

ENG 264 Major Black Writers or
ENG 483G Studies in African American or Diasporic Literature (Subtitle required)

ENG 519 Introduction to Old English

plus six hours selected with approval of advisor

**Critical Thinking Component (3 hours)**

Select one course with approval of advisor

**Composition Component (9 hours)**

**Required (6 hours):**

ENG 509 Composition for Teachers
ENG 301 Style for Writers or
ENG 401 Special Topics in Writing (Subtitle required) or
ENG 306 Introduction to Professions in Writing ........ 3

Select one (3 hours):

ENG 210 History of the English Language
ENG 211 Introduction to Linguistics I
ENG 310 American English
ENG 512 Modern English Grammar
EDC 575 Modern Educational Problems (Unclassified)
EDC 777 Seminar in Curriculum and Instruction (Subtitle required)

**English Support Area for Secondary English Education (18 hours)**

A minimum of three hours credit are required in each of the four areas: journalism, theatre, speech and fine arts, which English teachers will be qualified to teach in Kentucky. In one of the areas, to be selected with the aid of an advisor, a minimum of nine hours is required. Fine arts are defined as courses in art and music.

**Journalism** .................................................... 3-9
Theatre ............................................................... 3-9
Speech ................................................................. 3-9

*Fine Arts .................................................. 3-9

*Although English teachers will not be certified in fine arts, they will be expected to participate on interdisciplinary teams to provide students with experiences in the arts and humanities.
Foreign Language Majors for Secondary Education (30 hours)

Students pursuing Plan 1, which includes a double major in Secondary Education and a certifiable foreign language, must follow the foreign language plans below. In Kentucky, foreign language certification is for grades P-12. At the time of admission to the Masters in Education with initial certification, foreign language candidates will have to earn at least an “Intermediate High” in both oral language and written language proficiency on the ACTFL academic scale.

French Major for P-12 Foreign Language Education (30 hours)

**Prerequisites**

FR 101/102 Elementary French ...................... 8
FR 201/202 Intermediate French ...................... 6

**Required**

FR 204 French Culture: Readings and Conversation .... 3
FR 304/305 Introduction to French Literature I/II ...... 6
FR 306 Intermediate French Composition ............... 3
FR 406 Advanced French Grammar and Composition ..... 3
FR 310 French Phonetics .................................. 3
FR 312 French Conversation I ............................. 3
FR 350 Cultural Profiles of France ........................ 3
FR 412 French Conversation II ............................ 3
FR 470G Studies in French Literature
(Subtitle required) ........................................... 3

**German Major for P-12 Foreign Language Education (30 hours)**

**Prerequisites**

GER 101/102 Basic German .............................. 8
GER 201/202 Intermediate German ...................... 6

**Required**

GER 307 Intermediate German Composition and Conversation I .................................................. 3
GER 308 Intermediate German Composition and Conversation II .................................................. 3
GER 311 Introduction to German Literature: Themes (Subtitle required) ...................................... 3
GER 312 Introduction to German Literature: Popular Forms ....................................................... 3
GER 317 History of German Culture ........................ 3
GER 319 Contemporary German Literature and Culture .............................................................. 3
GER 415G Major German Authors
or GER 416G Genres of German Literature
or GER 420G Studies in German Literary and Cultural History .................................................. 3
GER 507 Advanced German Composition and Conversation ......................................................... 3
GER 532 History of the German Language ............... 3

**Latin Major for P-12 Foreign Language Education (30 hours)**

**Prerequisites**

CLA 101/102 Elementary Latin .......................... 8
CLA 201/202 Intermediate Latin .......................... 6

**Required**

CLA 301 Latin Literature I (Subtitle required) ........... 3
CLA 302 Latin Literature II (Subtitle required) ........... 3
CLA 522 Roman Republican Prose (Subtitle required) .... 3
CLA 523 Roman Republican Poetry (Subtitle required) ... 3
CLA 526 Roman Imperial Prose (Subtitle required) ..... 3
CLA 527 Roman Imperial Poetry (Subtitle required) ..... 3

CLA 511 Studies in Roman Philology
or CLA 512 Studies in Roman Philology ................. 3
CLA 230 The Hellenistic World and Rome to the Death of Constantine ................................. 3
CLA 135 Classical Mythology ................................ 3
CLA 210 The Art of Greece and Rome
or CLA 313 Studies in Roman Art
(Subtitle required) ............................................. 3

**Spanish Major for P-12 Foreign Language Education (30 hours)**

**Prerequisites**

SPA 101/102 Elementary Spanish (spoken approach) ............................................. 8
SPA 201/202 Intermediate Spanish (spoken approach) ................................................. 6

**Required**

SPA 210 Spanish Grammar and Syntax ................... 3
SPA 211 Intermediate Spanish Conversation ................ 3
SPA 311 Advanced Spanish Conversation and Phonetics ....................................................... 3
SPA 312 Civilization of Spain
or SPA 314 Civilization of Spanish America ............... 3
SPA 320 Literature, Life and Thought of Spain .......... 3
SPA 322 Literature, Life and Thought of Spanish America ................................................... 3
SPA 411 Advanced Spanish Language ........................ 3
SPA 501 Spanish Phonetics, Pronunciation and Phonemics ..................................................... 3
SPA 400-500 Studies in Literature .......................... 3

**Russian Major for P-12 Foreign Language Education (30 hours)**

**Prerequisites**

RAE 101/102 Elementary Russian .......................... 8
RAE 201/202 Intermediate Russian ......................... 8

**Required**

RAE 303 Russian Pronunciation and Conversation ........ 3
RAE 304 Russian Pronunciation and Conversation .......... 3
RAE 305 Advanced Russian Grammar ........................ 3
RAE 306 Advanced Russian Grammar ........................ 3
RAE 270 Introduction to Russian Culture
or RAE 280 Russian and Soviet Culture of the 20th Century .................................................. 3

RAE 400G Seminar on Special Topics
in Russian ............................................................... 3
RAE 410 Style and Stylistics of Russian ...................... 3
RAE 411 Style and Stylistics of Russian ...................... 3
Eelectives .............................................................. 3-18

**B.A. in Education with a major in SECONDARY EDUCATION Option: Foreign Language Education (grades P-12)**

**Requirements for Program**

This B.A. includes completion of an approved plan in the academic specialty teaching of a foreign language (French, German, Spanish, Russian, Latin). The approved majors and minors in the academic specialties for teaching are entitled “French language major for secondary education,” etc., to distinguish them from the Arts & Sciences majors and minors. No certification
is awarded with the B.A. Students desiring to go on to Master’s in Education with initial certification must apply to The Graduate School and apply to the Secondary Foreign Language Program Faculty in the spring of their senior year.

To receive the B.A. degree, students must: (1) complete the University Studies Program; (2) complete at least 128 semester hours; (3) complete an approved combination of foreign language education options, including at least one foreign language education (P-12) major; (4) attain grade-point averages of at least 2.50 overall and in the chosen major/minor/support areas; and (5) complete 100 hours of fieldwork with adolescents through the required three hour course:

EDC 362 Field Experiences in Secondary Education . 3

The foreign language education program philosophy as regards the teaching and learning of second languages is grounded on three assumptions: All children can learn. All children can learn languages. A child can learn any modern language. The three assumptions are predicated on two conditions: (1) the learner is free of psychological, physical, and neurologolanguage handicaps; and (2) the context for teaching and learning is appropriate to the learner, the content, and the expected outcomes. The philosophical context, in which are couched the conceptual framework and the theoretical basis for language learning and teaching, is the belief that the pursuit to know, to understand, or to be competent in another culture – its language or languages, its systems, its values, its customs, its arts – can be interpreted as an act of respect for that culture and for the family of man. The ability to communicate competently within the framework of another culture is power. It is the mission of the foreign language education program of the University of Kentucky, through its graduate and post-graduate clients, to encourage this respect and to make this power available to all students in their respective institutions.

Continuous Assessment

1. All foreign language education, grades P-12, students must be admitted to advanced standing after completing 60 hours. Advanced standing requires (a) a 2.50 minimum GPA overall, and (b) review by the program faculty advisor for foreign language education.

2. Because certification occurs through the Masters in Education including certification (MIC), students should be aware that they will need to be formally admitted to the MIC program. Admission/Retention/Exit regulations for all teacher certification programs are specified in the section “Admission, Retention and Exit from Teacher Education Programs” on page 145.

3. Oral and written communication skills of applicants for the MIC program in foreign language education will be assessed at the time of the interview, and through the entrance portfolio.

4. At entrance to the Masters in Education with initial certification, the student must earn at least an “Intermediate High” in oral and written language proficiencies on the target language(s) as rated on the ACTFL academic scale. Appointments for these examinations should be scheduled with the chair of the Foreign Language Program Faculty well in advance of applying for admission to the masters degree program.

Statement on Student Teaching

There is no student teaching required for completion of the secondary foreign language major. Student teaching occurs as part of the Masters in Education with initial certification.

University Studies Requirements

University Studies may be met by following the courses listed in the University Studies section of this Bulletin.

Program Related Studies (3 hours)

EDC 362 Field Experiences in Secondary Education . 3

Foreign Language Education (P-12) Major/Minor Options (75-81 hours)

All candidates for certification in foreign language education, grades P-12, must complete at least one Option 1 major (French, German, Latin, Spanish, Russian). However, to complete a 128-hour B.A. in the College of Education, students must make additional selections from Options 1 through 5 to complete 128 hours.

Note: All foreign language education (P-12) students are encouraged to prepare for certification in more than one foreign language by selecting an additional Option 1 language.

Option 1

Major in foreign language education, grades P-12 (French, German, Latin, Spanish, Russian) .... 30 hours

Option 2

English major for secondary education, grades 8-12 ........................................ 33 hours and

English Education Support Area ........................................ 18 hours

Option 3

Teaching English as a Second Language endorsement courses, grades P-12 .......................... 21 hours

Option 4

Any approved University minor (not for certification) ........................................ 18-21 hours

Option 5

General Support Area for foreign language education ........................................ 24 hours

French Major for P-12 Foreign Language Education (30 hours)

Prerequisites

FR 101/102 Elementary French ........................................ 8
FR 201/202 Intermediate French ................................. 6

Spanish Major for P-12 Foreign Language Education (30 hours)

Prerequisites

SPA 101/102 Elementary Spanish (spoken approach) ........ 8
SPA 201/202 Intermediate Spanish (spoken approach) ......... 6
Required

SPA 210 Spanish Grammar and Syntax .................................. 3
SPA 211 Intermediate Spanish Conversation ..................... 3
SPA 311 Advanced Spanish Conversation and Phonetics ........ 3
SPA 312 Civilization of Spain or SPA 314 Civilization of Spanish America ........................................ 3
SPA 320 Literature, Life and Thought of Spain ...................... 3
SPA 322 Literature, Life and Thought of Spanish America ...... 3
SPA 411 Advanced Spanish Language .................................... 3
SPA 501 Spanish Phonetics, Pronunciation and Phonemics .... 3
SPA 400-500 Studies in Literature ......................................... 3

Russian Major for P-12 Foreign Language Education (30 hours)

Prerequisites

RAE 101/102 Elementary Russian ..................................... 8
RAE 201/202 Intermediate Russian ..................................... 8

Required

RAE 303 Russian Pronunciation and Conversation .... 3
RAE 304 Russian Pronunciation and Conversation .... 3
RAE 305 Advanced Russian Grammar ................................. 3
RAE 306 Advanced Russian Grammar ................................. 3
RAE 270 Introduction to Russian Culture or RAE 280 Russian and Soviet Culture of the 20th Century .......... 3
RAE 400G Seminar on Special Topics in Russian .............. 3
RAE 410 Structure and Stylistics of Russian ......................... 3
RAE 411 Structure and Stylistics of Russian ......................... 3

Teaching English As a Second Language Endorsement Courses, Grades P-12 (21 hours)

EDC/ENG 513 Teaching English as a Second Language ....... 3
*EDC/ENG 514 TESL Materials and Methods ...................... 3
EDC 575 Modern Educational Problems (Unclassified) ...... 3
EDC 576 Modern Educational Problems (Unclassified) ...... 3
**ENG 310 American English ......................................... 3
ENG 512 Modern English Grammar .................................. 3
LIN 515 Phonological Analysis .......................................... 3

*Foreign Language majors will take EDC 636 Methods of Teaching Foreign Languages, K-12 instead of EDC/ENG 514.
**ENG 310 not required for graduate students adding ESL as an endorsement to an existing teaching certificate.

English Major for Secondary Education, Grades 8-12 (33 hours)

NOTE: Students should work closely with an advisor for the requirements in this section. The UK English curriculum has undergone significant revision, which will be reflected in this section in 2004-2005. The total English Major for Secondary Education should total 33-36 hours.

Prerequisites

ENG 331 Survey of British Literature I ................................. 3
Select two (6 hours): ENG 332 Survey of British Literature II ................................................................. 3
ENG 334 Survey of American Literature I ............................ 3
ENG 335 Survey of American Literature II ............................ 3

Required Upper Division Content (24 hours)

Literature Component (12 hours)

ENG 264 Major Black Writers or ENG 483G Studies in African American or Diasporic Literature (Subtitle required) .... 3
ENG 519 Introduction to Old English plus six hours selected with approval of advisor

Critical Thinking Component (3 hours)

Select one course with approval of advisor

Composition Component (9 hours)

Required (6 hours):
ENG 509 Composition for Teachers
ENG 501 Style for Writers or ENG 401 Special Topics in Writing (Subtitle required) or ENG 306 Introduction to Professions in Writing ........ 3
Select one (3 hours):
ENG 210 History of the English Language
ENG 211 Introduction to Linguistics I
ENG 310 American English
ENG 512 Modern English Grammar
EDC 575 Modern Educational Problems (Unclassified)
EDC 777 Seminar in Curriculum and Instruction (Subtitle required)

English Support Area for Secondary English Education, Grades 8-12 (18 hours)

A minimum of three hours credit are required in each of the four areas: journalism, theatre, speech and fine arts; which English teachers will be qualified to teach in Kentucky. In one of the areas, to be selected with the aid of an advisor, a minimum of nine hours is required. Fine arts are defined as courses in art and music.

Journalism ..................................................................... 3-9
Theatre ........................................................................... 3-9
Speech ............................................................................. 3-9
Fine Arts ......................................................................... 3-9

*Although English teachers will not be certified in fine arts, they will be expected to participate on interdisciplinary teams to provide students with experiences in the arts and humanities.

General Support Area for Secondary Foreign Language Education (24 hours)

Select courses from at least four areas from the following sets. Courses may not be double counted with courses taken for University Studies or for the English Support Area.

Anthropology

ANT 515, ANT 516

Art


Classical Languages and Literature

CLA 135, CLA 261, CLA 426G

Communications

COM 101, COM 350, COM 419, COM 453, COM 482, COM 581

French Literature

FR 261, FR 501, FR 504

German Literature

GER 311, GER 312, GER 317, GER 361

History

HJS 104, HIS 105, HIS 108, HIS 109, HIS 202, HIS 203

For American Literature Emphasis

HJS 461, HJS 462, HJS 463, HJS 465, HJS 466, HJS 576 or HJS 578, HJS 579

For Comparative Literature Emphasis

HJS 210, HJS 371, HJS 366, HJS 511, HJS 519, HJS 520, HJS 528, HJS 529

For English Literature Emphasis

HJS 554 or HJS 555

Journalism

ISC 101, ISC 341, JAT 250, JOU 101, JOU 204, JOU 301, JOU 303, JOU 409, JOU 410, JOU 531, JOU 535

Library Science

LIS 510, LIS 514, LIS 530, LIS 547

Philosophy

PHI 100, PHI 120, PHI 130, PHI 260, PHI 270, PHI 310, PHI 317, PHI 335, PHI 503, PHI 506, PHI 509, PHI 515, PHI 545

Political Science

PS 101, PS 240, PS 439G, PS 442G, PS 545

Psychology

PSY 100, PSY 223, PSY 305, PSY 331, PSY 344, PSY 427, PSY 529, PSI 533

Russian and Eastern Studies

RAE 261, RAE 324, RAE 325, RAE 330

Sociology

SOC 152, SOC 335, SOC 344, SOC 354, SOC 409, SOC 432, SOC 434, SOC 437, SOC 438, SOC 534

Spanish and Italian Literature

SPA 312, SPA 314, SPA 434

Speech

COM 181, COM 281, COM 283, COM 287, COM 483

Telecommunications

JAT 101, TEL 101, TEL 201, TEL 355

Theatre Arts

TA 101, TA 126, TA 260, TA 330, TA 430

Electives ........................................................................... 3-12

B.A. in Education with a major in

SECONDARY EDUCATION

Option: Mathematics Education

Requirements for Program

This B.A. includes completion of an approved plan in the academic specialty teaching of mathematics, grades 8-12. The approved major in the academic specialties for teaching is entitled “Mathematics major for secondary education,” to distinguish it from the Arts & Sciences major. No certification is awarded with the B.A. Students desiring to go on to Masters in Education with Initial Certification must apply to The Graduate School and apply to the Secondary Mathematics Program Faculty in the spring of their senior year.

To receive the B.A. degree, students must:
(1) complete the University Studies Program; (2) complete at least 128 semester hours; (3) complete one of the secondary mathematics education plans; (4) attain a grade-point average of at least 2.50 overall and in the chosen major/minor/support areas; and (5) complete 100 hours of fieldwork with adolescents through the required three hour course:

EDC 362 Field Experiences in Secondary Education ... 3

The certification program in secondary mathematics education, grades 8-12, extends and enhances the conceptual framework of the College of Education by providing the opportunities and experiences necessary for beginning teachers to reflect on the perspective of the schools and the profession. Indeed, the National Council of Teachers of Mathematics (NCTM), the principal professional organization for the mathematics education program, has for the past decade promoted teaching that fosters the development of stu-
students’ abilities to explore, conjecture, and reason logically, as well as the ability to use a variety of mathematical methods to solve non-routine problems. Teaching to meet this goal requires a great deal of reflective decision making, because what students learn depends to a large extent on how it has been learned. This certification program strives to blend the learning of mathematics with the learning of pedagogy.

**Continuous Assessment**

1. All secondary education majors must be admitted to advanced standing after completing 60 hours. Advanced standing requires (a) 2.50 minimum GPA overall, and (b) review by a program faculty advisor for secondary mathematics education.

2. Because certification occurs through the Masters in Education including certification (MIC), students should be aware that they will need to be formally admitted to the MIC program. Admission/Retention/Exit regulations for all teacher certification programs are specified in the section “Admission, Retention and Exit from Teacher Education Programs” on page 145.

3. Oral and written communication skills of applicants for the MIC program in mathematics education will be assessed at the time of the interview, and through the entrance portfolio.

4. At exit from the secondary mathematics education major, grades 8-12, students will:
   a. demonstrate understanding of mathematical concepts and procedures and the connections among them;
   b. use multiple representations of mathematical concepts and procedures;
   c. reason mathematically and solve mathematical problems;
   d. communicate mathematics effectively at different levels of formality; and
   e. use historical, cultural, and contemporary perspectives in mathematics discourse.

**Statement on Student Teaching**

There is no student teaching required for completion of the secondary mathematics education, grades 8-12, major. Student teaching occurs as part of the Masters in Education with certification.

**University Studies Requirements**

University Studies may be met by following the courses listed in the University Studies section of this Bulletin, with the exception that PSY 100 (Introduction to Psychology) must be taken in the social sciences component, and MA 113 is also required.

**Program Related Studies (15 hours)**

EDC 362 Field Experiences in Secondary Education . 3
CS 101 Introduction to Computing I ....................... 3
STA 291 Statistical Method .................................. 3

EDC 421 Survey of Secondary Mathematics Curriculum ............................................. 3
Natural Science (choose one course in an area different from the USP requirement) ............. 3

**Majors and Minors (66 hours)**

**Plan 1**

Major in mathematics for secondary education (36 hours), with a university-approved minor* (18-21 hours) in biology, chemistry, computer science, geology, or physics.

*University approved minors must be planned with an advisor in the appropriate department if the student wishes to have it recorded on the UK transcript.

**Plan 2**

Major in mathematics for secondary education with two 15-hour support areas in biology, chemistry, computer science, geology, English, foreign language, psychology, physics, sociology, or theatre arts (30 hours).

**Plan 3**

Major in mathematics for secondary education (36 hours) with 30 semester hours in astronomy, biology, chemistry, computer science, geology, economics, engineering, drawing, physics, or statistics (30 hours).

**Mathematics Major for Secondary Education, Grades 8-12 (36 hours)**

**Required**

MA 113 Calculus I ............................................. 4
MA 114 Calculus II ............................................. 4
MA 213 Calculus III .......................................... 4
MA 261 Introduction to Number Theory ................. 3
MA 310 Mathematical Problem Solving for Teachers . 3
MA 341 Topics in Geometry .................................. 3
MA 320 Introductory Probability ........................... 3
MA 322 Matrix Algebra and Its Applications .......... 3
MA 330 History of Mathematics ........................... 3
Select six hours from the following:

MA 214 Calculus IV .......................................... 3
MA 321 Introduction to Numerical Methods .......... 3
MA 351 Elementary Topology I ........................... 3
MA 361 Elementary Modern Algebra I .................. 3
MA 415G Graph Theory ...................................... 3
MA 416G Principles of Operations Research I ........ 3
Electives .......................................................... 3-8

**B.A. in Education with a major in SECONDARY EDUCATION Option: Science Education (either Physical or Biological Science)**

**Requirements for Program**

This B.A. includes completion of an approved plan in the academic specialty teaching of Secondary Physical Science or Biological Science. The approved majors and minors in the academic specialties for teaching are entitled physical science major for secondary education or biological science major for secondary education to distinguish them from the Arts & Sciences majors and minors. No certification is awarded with the B.A. Students desiring to go on to Masters with initial certification must apply to The Graduate School and apply to the Secondary Science Program Faculty in the spring of their senior year.

To receive the B.A. degree, students must:
1. complete the University Studies Program, and Program Related Studies;
2. complete at least 128 semester hours; (3) complete one of the Secondary Science Education plans; (4) attain grade-point average of at least 2.50, overall and in the chosen major/minor/support areas; and (5) complete 100 hours of fieldwork with adolescents through the required three hour course:

EDC 362 Field Experiences in Secondary Education ... 3

The Secondary Science Education program addresses the content area requirements of Kentucky’s New Teacher Standards, National Research Council’s National Science Education Standards, and the National Science Teachers Association Guidelines. The program encourages the understanding and development of major concepts within a specialty area as well as an understanding of the interconnectedness of the sciences. Students are encouraged to apply mathematics to investigations of science, including analyses of data. It is intended that students relate the concepts of science to contemporary, historical, technological and societal issues. As future science teachers, students will need to locate resources, design and conduct inquiry-based and open-ended investigations, interpret findings, communicate results and make judgments based upon evidence. Specifically, the program encourages the teaching of science through a problem-solving, inquiry-based approach.

**Continuous Assessment**

1. All secondary education majors must be admitted to advanced standing after completing 60 hours. Advanced standing requires (a) 2.50 minimum GPA overall, and (b) review by program faculty advisor for Secondary Science Education.

2. Because certification occurs through the Masters in Education including certification (MIC), students should be aware that they will need to be formally admitted to the MIC program. Admission/Retention/Exit regulations for all teacher certification programs are specified in the section “Admission, Retention and Exit from Teacher Education Programs” on page 145.

3. Oral and written communication skills of applicants for the MIC program in secondary science education will be assessed at the time of the interview, and through the entrance portfolio.

4. Admission to the Masters in Education with certification is competitive. At the time of application to the science education program, applicants will be evaluated on the basis of GPA, GRE scores, graded and on-site writing tasks, verbal communication, quality of references, commitment to teaching, social awareness, educational experiences with diverse learners, 14-18 year olds, and multicultural experiences, and quality of work in the sciences.
Statement on Student Teaching
There is no student teaching required for completion of the secondary science education major. Student teaching occurs as part of the Masters in Education with initial certification.

University Studies (39-53 hours)
*See section of UK Bulletin on University Studies Requirements for listing of allowable courses in each area below.

Program Related Studies (6 hours)
EDC 362 Field Experiences in Secondary Education 3
CS 101 Introduction to Computing I 3

Majors and Minors (54-72 hours)

Plans for Majors, Minors, and Supporting Subjects
Candidates may choose to be certified in one of two science areas, 1) biological science, or 2) physical science. Biological science candidates must have a biological science major for secondary education and follow one of the biological science plans. Physical science candidates must have a chemistry major for secondary education, earth science major for secondary education, physics major for secondary education, or physics major for secondary education and follow one of the physical science plans.

Plans for Biological Science Candidates
Plan 1
Major (33 hours in biological science) plus: (A) a supporting non-certifiable minor of 21 hours in mathematics, OR (B) a supporting non-certifiable minor in one of the other sciences. The science fields from which the minor may be chosen include chemistry, earth science, and physics.

Plan 2
Major (33 hours in biological science) with two 12-hour supporting subjects. The 12-hour blocks of support-subjects may be chosen from two of the following fields: chemistry, earth science, physics, or mathematics.

Plan 3
Major (33 hours in biological science) and four supporting subjects. Students selecting Plan 3 will complete a major in biology and take a total of 24 semester hours from chemistry, earth science, physics, and mathematics, with a minimum of three semester hours in each field.

Plans for Physical Science Candidates
Plan 1
Major (33 hours in either chemistry, earth science, or physics) plus: (A) a supporting non-certifiable minor of 21 hours in mathematics, OR (B) a supporting minor in one of the other sciences. The science fields from which the minor may be chosen include biology (non-certifiable), chemistry, earth science, and physics, or mathematics (non-certifiable).

Plan 2
Major (33 hours in either chemistry, earth science, or physics) with two 12-hour supporting subjects. The 12-hour blocks of support-subjects may be chosen from two of the following fields: biology, chemistry, earth science, physics, or mathematics. Courses from the major may not be applied to the support-subjects requirement.

Plan 3
Major (33 hours in either chemistry, earth science, or physics) and four supporting subjects. Students selecting Plan 3 will complete a total of 24 semester hours from biology, chemistry, earth science, physics, and mathematics, with a minimum of three semester hours in each field. Courses from the major may not be applied to the support-subjects requirement.

Plan 4
Students will complete a physical science for secondary education major. The physical science major consists of 21 hour minors in chemistry, earth science, and physics. Minors from each field must be included in the physical science major.

Major Requirements
All majors for secondary education require a minimum of 33 hours.

Biological Science Major for Secondary Education
Required Support Courses
CHE 105 General College Chemistry I ................. 3
CHE 107 General College Chemistry II ................. 3
CHE 115 General Chemistry Laboratory ................. 3
PHY 211/213 General Physics ................................ 10
or
PHY 231/232 General University Physics
and
PHY 241/242 General University Physics

GLY 220 Principles of Physical Geology ................. 4
MA 123 Elementary Calculus and Its Applications 3
MA 133 Calculus I 3
or
MA 152 Calculus for the Life Sciences ................. 3-4

Recommended Support Courses
CHE 230 Organic Chemistry I ............................ 3
CHE 231 Organic Chemistry Laboratory I ............. 2
CHE 232 Organic Chemistry II ............................ 3
CHE 233 Organic Chemistry Laboratory II ............ 2
BCH 401G Fundamentals of Biochemistry ............ 3

Required for Major
BIO 150 Principles of Biology I .......................... 3
BIO 151 Principles of Biology Laboratory I ......... 2

Required Support Courses
CHE 226 Analytical Chemistry ........................... 4
CHE 230 Organic Chemistry I ............................ 3
CHE 231 Organic Chemistry Laboratory I ............ 2
CHE 232 Organic Chemistry II ............................ 3
CHE 233 Organic Chemistry Laboratory II ............ 2
CHE 226 Analytical Chemistry ........................... 4
BCH 401G Fundamentals of Biochemistry ............ 3
CHE 440G Introductory Physical Chemistry .......... 4

Recommended Courses in Major
Additional courses selected with aid of advisor.

Earth Science Major for Secondary Education*

Required Support Courses
MA 123 Elementary Calculus and Its Applications
or
MA 113 Calculus I ........................................... 3-4
CHE 105 General College Chemistry I ................. 3
CHE 107 General College Chemistry II ................. 3
CHE 115 General Chemistry Laboratory ................. 3

Recommended for Major
GEO 101 Earth’s Physical Environment ................. 3
or
GEO 251 Weather and Climate ........................... 3

GLY 220 Principles of Physical Geology ................. 4

GLY 223 Introduction to Geology in the Rocky Mountains ...................................................... 6

GLY 230 Fundamentals of Geology I .................... 3
GLY 235 Fundamentals of Geology II .................... 3
GLY 360 Mineralogy 3

GLY 401G Invertebrate Paleobiology and Evolution 4

Recommended for Major
The following list contains courses that are normally applied to the major.

AST 192 Stars, Galaxies and the Universe ................ 3
GLY 360 Mineralogy (if not taken above) ............... 4
GLY 401G Invertebrate Paleobiology and Evolution (if not taken above) .................... 3
GLY 341 Planetary Geology ............................... 3

PLS 366 Fundamentals of Soil Science ................. 3

Oceanography course (if transferred from another university) .............................................. 3

Earth Science electives to be selected with the aid of advisor.

*Note: Students should note that earth science is generally taught in Kentucky at the eighth grade level. In many states it is taught at the ninth grade level; therefore, secondary OR middle school certification could be required. You must decide the level of certification that fits your needs. If you plan to teach in Kentucky, you may want to follow either of the following options: 1) obtain science certification through the middle school program or 2) obtain earth science certification through the secondary education program. Currently, the Kentucky Department of Education is allowing secondary science teachers to teach science in the 7th and 8th grades without having middle school certification. The option for secondary certification provides more extensive content preparation in earth science.
Physical Science Major for Secondary Education

Required Support Courses
MA 113 Calculus I ................................................. 4
MA 114 Calculus II .................................................. 4
BIO 150 Principles of Biology I ................................. 3
BIO 151 Principles of Biology Laboratory I ................. 2

Recommended Support Courses for Major
MA 213 Calculus III .............................................. 4
*MA 214 Calculus IV ................................................ 3

*Note mathematics requirements for upper-level physics courses.

Required for Physical Science Major
Chemistry:
CHE 105 General College Chemistry I ....................... 3
CHE 107 General College Chemistry II ....................... 3
CHE 115 General Chemistry Laboratory ....................... 3
CHE 230 Organic Chemistry I ................................... 3
CHE 231 Organic Chemistry Laboratory I .................... 2
CHE 226 Analytical Chemistry .................................. 3-4
CHE electives (chosen with aid of advisor)

Physics:
AST 191 The Solar System ....................................... 3
AST 192 Stars, Galaxies and the Universe ................... 3
PHY 211/213 General Physics .................................... 10
or
PHY 231/232 General University Physics Laboratory .......... 10
PHY 361 Principles of Modern Physics ....................... 3
PHY electives (chosen with aid of advisor)

Earth Science:
AST 191 The Solar System ....................................... 3
AST 192 Stars, Galaxies and the Universe ................... 3
GEO 220 Principles of Physical Geology .................... 4
or
GEO 236 Introduction to Geology in the Rocky Mountains .. 6
GEO 230 Fundamentals of Geology I ............................ 3
GEO 235 Fundamentals of Geology II .......................... 3
GEO 360 Mineralogy ................................................. 3
or
GEO 401G Invertebrate Paleobiology and Evolution ........ 3-4
Earth Science Electives (chosen with aid of advisor)

Recommended Courses for Physical Science Major
CHE 232 Organic Chemistry II .................................. 3
CHE 233 Organic Chemistry Laboratory II .................... 2
BCH 401G Fundamentals of Biochemistry ..................... 3
CHE 440G Introductory Physical Chemistry ................... 3
GEO 360 Mineralogy ................................................. 3
or
GEO 401G Invertebrate Paleobiology and Evolution .......... 3-4
GEO 130 Earth’s Physical Environment ....................... 3
GEO 251 Weather and Climate ...................................... 3
PHY 404G Mechanics .................................................. 3
PHY 417G Electricity and Magnetism ............................. 3

Physics Major for Secondary Education

Required Support Courses
CHE 105 General College Chemistry I ....................... 3
CHE 107 General College Chemistry II ....................... 3
CHE 115 General Chemistry Laboratory ....................... 3
MA 113 Calculus I ................................................... 4
MA 114 Calculus II .................................................. 4
GEO 220 Principles of Physical Geology .................... 4
BIO 150 Principles of Biology I ................................... 3
BIO 151 Principles of Biology Laboratory I .................. 2

Recommended Support Courses
MA 213 Calculus III .............................................. 4
*MA 214 Calculus IV ................................................ 3

*Note mathematics requirements for upper-level physics courses.

Required for Major
PHY 231/232 General University Physics .................... 5
PHY 241/242 General University Physics Laboratory ...... 5
PHY 361 Principles of Modern Physics ........................ 3
PHY electives (chosen with aid of advisor)

Recommended for Major
AST 191 The Solar System ....................................... 3
*PHY 151 Introduction to Physics ............................... 3
AST 192 Stars, Galaxies and the Universe ................... 3
*PHY 152 Introduction to Physics ............................... 3

*Note: A maximum of nine hours of astronomy may be counted toward the 33 hour physics requirement. A student may not count both the AST 191, 192 and PHY 151, 152 sequences toward the physics major for secondary education. If PHY 151 and PHY 152 are applied to the major, they must be completed prior to taking the PHY 231, 241, 232, 242 sequence.

MINOR REQUIREMENTS

A minor in one of the sciences or mathematics is required for Plans 1 of the biological science and physical science certification areas. See plans for details. Students are not certified to teach in a minor area. However, physical science for secondary education majors are certified to teach chemistry, earth science, and physics. All minors for secondary education require a minimum of 21 hours.

Biological Science Minor for Secondary Education

Required Support Courses
CHE 105 General College Chemistry I ....................... 3
CHE 107 General College Chemistry II ....................... 3
CHE 115 General Chemistry Laboratory ....................... 3

Required for Minor
BIO 150 Principles of Biology I ................................... 3
BIO 151 Principles of Biology Laboratory I .................. 2
BIO 152 Principles of Biology II ................................ 3
BIO 153 Principles of Biology Laboratory II .................. 2
BIO 325 Introductory Ecology .................................... 4
BIO 304 Principles of Genetics ................................... 4
or
ABT 360 Genetics .................................................... 3-4

Recommended for Minor
Additional courses selected with aid of advisor.

Chemistry Minor for Secondary Education

Required for Minor
CHE 105 General College Chemistry I ....................... 3
CHE 107 General College Chemistry II ....................... 3
CHE 115 General Chemistry Laboratory ....................... 3

Recommended for Minor
CHE 230 Organic Chemistry I ................................... 3
CHE 231 Organic Chemistry Laboratory I ..................... 2
CHE 232 Organic Chemistry II .................................... 3
CHE 233 Organic Chemistry Laboratory II .................... 2
CHE 226 Analytical Chemistry .................................... 3-4
or
BCH 401G Fundamentals of Biochemistry ..................... 3

Additional courses selected with aid of advisor.

Earth Science Minor for Secondary Education*

Required for Minor
AST 191 The Solar System ....................................... 3
GEO 130 Earth’s Physical Environment ........................ 3
GEO 251 Weather and Climate .................................... 3
GEO 220 Principles of Physical Geology ..................... 4
or
GEO 223 Introduction to Geology in the Rocky Mountains .. 6
GEO 230 Fundamentals of Geology I ......................... 3
GEO 235 Fundamentals of Geology II ......................... 3
GEO 360 Mineralogy ................................................. 3
GEO 401G Invertebrate Paleobiology and Evolution .......... 3-4

Recommended for Minor
The following list contains courses that are normally applied to the minor.
AST 192 Stars, Galaxies and the Universe ................... 3
GEO 360 Mineralogy (if not taken above) .................... 4
GEO 401G Invertebrate Paleobiology and Evolution (if not taken above) ........................................... 3
GEO 341 Landforms .................................................. 3
PLS 366 Fundamentals of Soil Science ......................... 3
Oceanography course (if transferred from another university) .................................................. 3

Mathematics Minor for Secondary Education

Required for Minor
MA 113 Calculus I ................................................... 4
MA 114 Calculus II .................................................. 4
MA 213 Calculus III .................................................. 4

Recommended for Minor
Additional courses chosen with aid of advisor. In most cases courses will be selected from the following list.
MA 341 Topics in Geometry ....................................... 3
MA 310 Mathematical Problem Solving for Teachers .......... 3
MA 261 Introduction to Number Theory ....................... 3
MA 320 Introductory Probability .................................. 3
MA 322 Matrix Algebra and Its Applications .................. 3
MA 330 History of Mathematics .................................. 3
MA 214 Calculus IV .................................................. 3

Physics Minor for Secondary Education

Required Support Course
MA 113 Calculus I ................................................... 4

Recommended Support Courses
CHE 105 General College Chemistry I ....................... 3
CHE 107 General College Chemistry II ....................... 3
CHE 115 General Chemistry Laboratory ....................... 3
MA 114 Calculus II .................................................. 4

*Note mathematics requirements for taking upper-level physics courses.

Required for Minor
PHY 211/213 General Physics ..................................... 10
or
PHY 231/232 General University Physics ........................

Recommended for Minor
AST 191 The Solar System ....................................... 3
*PHY 151 Introduction to Physics ............................... 3
AST 192 Stars, Galaxies and the Universe ................... 3
Requirements for Program

This B.A. includes completion of an approved plan in the academic specialty teaching social studies. The approved majors and minors in the academic specialties for teaching are entitled “history major for secondary education,” etc., to distinguish them from the Arts & Sciences majors and minors. No certification is awarded with the B.A. Students desiring to go on to Master’s with Initial Certification must apply to The Graduate School and apply to the Secondary Social Studies Education Program Faculty in the spring of their senior year.

To receive the B.A. degree, students must: (1) complete the University Studies Program; (2) complete at least 128 semester hours; (3) complete one of the secondary social studies education plans; (4) attain a grade-point average of at least 2.50 overall and in the major/ minor/support areas; and (5) complete 100 hours of fieldwork with adolescents through the required three hour course: EDC 362 Field Experiences in Secondary Education ...

Following completion of the secondary social studies major, students will demonstrate the following: (1) a reflective understanding of American society, its past and contemporary situation, and its place in the larger world; (2) an ability to apply social science concepts and use inquiry and interpretive skills; (3) a historical perspective; (4) a multicultural and global perspective; and (5) an ability to learn from participation in the community (from local to global) affairs and service. Students should consider experiences such as study abroad and internships in government and social agencies, as well as course work, in preparation for social studies teaching.

Continuous Assessment

1. All secondary education majors must be admitted to advanced standing after completing 60 hours. Advanced standing requires: (A) 2.50 minimum GPA overall; (B) 2.50 minimum GPA in course work leading to completion of Plan 1 or Plan 2; and (C) review by program faculty advisor for secondary social studies education.

2. Because certification occurs through the Masters in Education including certification (MIC), students should be aware that they will need to be formally admitted to the MIC program. Admission/Retention/Exit regulations for all teacher certification programs are specified in the section “Admission, Retention and Exit from Teacher Education Programs” on page 145.

3. Oral and written communication skills of applicants for the MIC program in social studies education will be assessed at the time of the interview, and through the entrance portfolio.

4. Admission to the Masters in Education with initial certification is competitive.
   a. Students are reminded that they will be teaching about the whole world; somewhere in the 66 hours they should have at least one course about each world region. Students are strongly urged to complete the 12-hour campus-wide International Studies Concentration or one of the 12-hour plus foreign language World Regional/Foreign Language Concentrations.
   b. Students also need to be prepared to teach U.S. history from an interdisciplinary perspective and a multicultural perspective. Students are strongly urged to take 12 hours as an American Studies Emphasis, with at least one course in the humanities and at least two courses dealing with diversity in the U.S.
   c. Students need breadth and depth. Students are strongly urged to take nine hours in two of the subjects in their support area. Courses may double-count in University Studies in Plan 1 or 2 and in the 12-hour blocks.

Statement on Student Teaching

There is no student teaching required for completion of the secondary social studies education major. Student teaching occurs as part of the Masters in Education with certification.

University Studies (39-53 hours)

*See University Studies Program section of this Bulletin for listing of allowable USP courses.

Program Related Studies (3 hours)

EDC 362 Field Experiences in Secondary Education ...

Majors and Minors (66-72 hours)

Students must complete Plan 1 or 2 in history and social sciences for secondary education.

Plan 1

Major in history (36 hours) with a minor (21 hours) in anthropology, economics, geography, political science, psychology, or sociology, and a support area (15 hours) which includes one course from each of the social sciences not chosen as minor.

Plan 2

Major (at least 30 hours) in anthropology, economics, geography, political science, psychology, or sociology, with a minor (21 hours) in history and a support area (15 hours) which includes one course from each of the social sciences not chosen as major.

History Major for Secondary Education (36 hours)

Required (15 hours)

HIS 104 A History of Europe Through the
Mid-Seventeenth Century ......................... 3
HIS 105 A History of Europe From the
Mid-Seventeenth Century to the Present ........ 3
HIS 108 History of the United States Through 1865 .... 3
HIS 109 History of the United States Since 1865 .... 3

Twelve of the other 21 credits must be history courses numbered 300 to 599. The remaining nine credits may be in either 200-298 or 300-599. There must be some chronological diversity and some regional diversity, with at least six hours of U.S. history above the 100 level and at least nine hours in history of other regions of the world, which will give the student the broad background necessary to teach World Civilization ........................................ 21

History Minor for Secondary Education (21 hours)

Required (12 hours)

HIS 104 A History of Europe Through the
Mid-Seventeenth Century ......................... 3
HIS 105 A History of Europe From the
Mid-Seventeenth Century to the Present ........ 3
HIS 108 History of the United States Through 1865 .... 3
HIS 109 History of the United States Since 1865 .... 3

Plus nine hours which will give students a broad preparation for teaching U.S. History and World Civilization. At least six hours should be at the 300 level or above ............ 9

Anthropology Major for Secondary Education (33 hours)

Required (6 hours)

ANT 220 Introduction to Cultural Anthropology .... 3
ANT 230 Introduction to Physical Anthropology .... 3

Anthropological Theory (9 hours)

ANT 301 History of Anthropological Theory ......... 3
ANT 433 Social Organization ......................... 3

One of the following: ANT 429, 430G, 525, 526,
532, 538, 550 ............................................ 3

Research Methodology (3 hours)

ANT 490 Anthropological Research Methods ....... 3

Option 1 – Regional Specialization (6 hours)

Two courses from the same culture area, one ethnology and one culture history.

Ethnology courses are: ANT 221, 323, 324, 428G, 431G, 434.

Culture history courses are: ANT 241, 242, 320, 322, 342, 555.

Option 2 – Cross-Cultural Comparison (6 hours)

Two ethnology courses, each representing a contrasting area.

Ethnology courses are: ANT 221, 323, 428G, 431G, 334.

Subdisciplinary Breadth (6 hours)

One course in archaeology and one in physical anthropology.

Senior Tutorial Seminar

ANT 582 Senior Integrative Seminar .............. 3

Anthropology Minor for Secondary Education (21 hours)

Required (6 hours)

ANT 220 Introduction to Cultural Anthropology .... 3
ANT 230 Introduction to Physical Anthropology .... 3

Select one course from each of the four areas and one elective (15 hours)

1. Archaeology

ANT 240 Introduction to Archaeology ............. 3
ANT 242 Origins of New World Civilization ........ 3

2. Ethnology

ANT 221, 323, 428G, 431G, 525, 526, 532, 538, 550

3. Cross-Cultural Comparison

ANT 221, 323, 428G, 431G, 534

4. History of Anthropological Theory

ANT 301, 433

5. Social Organization

ANT 433

6. History of Anthropology

ANT 429, 430G, 525, 526, 532, 538, 550

7. Research Methodology

ANT 490

8. Regional Specialization

ANT 221, 323, 324, 428G, 431G, 434

9. Culture History

ANT 241, 242, 320, 322, 342, 555

10. Cross-Cultural Comparison

ANT 221, 323, 428G, 431G, 534

11. Subdisciplinary Breadth

One course in anthropology and one in physical anthropology.

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ANT 320 Andean Civilization......................... 3
ANT 322 Aztec and Maya Civilization.................. 3

2. Area Studies
ANT 221 Native People of North America............. 3
ANT 324 Contemporary Latin American Cultures........ 3
ANT 327 Culture and Societies of India............... 3
ANT 428G Contemporary Cultures and Societies in
Southeast Asia.................................................. 3
ANT 431G Cultures and Societies of
Sub-Saharan Africa................................. 3

3. Physical Anthropology
ANT 332 Human Evolution.................................. 3
ANT 333 Contemporary Human Variation.............. 3

4. Social and Cultural Anthropology
ANT 301 History of Anthropological Theory........... 3
SOC 354 The Family in Cross-Cultural Perspective.... 3
ANT 401 Gender Roles in Cross-Cultural
Perspective..................................................... 3
ANT 433 Social Organization.............................. 3
ANT 525 Applied Anthropology......................... 3
ANT 526 Psychological Anthropology............... 3
ANT 532 Private Interests in the Public Domain:
The Comparative Study of Politics...................... 3
ANT 538 Beyond Economics, Beyond Growth:
Anthropology’s Critique of an Anti-Social “Science” 3

Economics Major for Secondary
Education (30 hours)

Required (12 hours)
ECO 201 Principles of Economics I..................... 3
ECO 202 Principles of Economics II.................... 3
ECO 401 Intermediate Microeconomic Theory........... 3
ECO 402 Intermediate Macroeconomic Theory........... 3
For breadth, select five from the following list and for
depth, ECO 499, Seminar in Economics (Subtitle required)
for three credits (18 hours)
ECO 412 Monetary Economics................................ 3
ECO 463 Analysis of Business Conditions............... 3
ECO 465G Comparative Economic Systems.............. 3
ECO 467 American Economic History..................... 3
ECO 471 International Economics......................... 3
ECO 473G Economic Development.......................... 3
ECO 477 Labor Economics..................................... 3
ECO 479 Public Economics..................................... 3
ECO 499 Seminar in Economics (Subtitle required).... 3

Economics Minor for Secondary
Education (21 hours)

Required (6 hours)
ECO 201 Principles of Economics I..................... 3
ECO 202 Principles of Economics II.................... 3
Select for breadth any five of the courses listed for the major,
excluding ECO 401 and 402 (15 hours)

Geography Major for Secondary
Education (36 hours)
GEO 130 Earth’s Physical Environment............... 3
GEO 172 Human Geography................................ 3
GEO 152 Regional Geography of the World
or GEO 160 Lands and Peoples of the
Non-Western World........................................... 3
GEO 300 Geographic Research
or GEO 305 Elements of Cartography
or GEO 310 Quantitative Techniques in Geography.... 3
For breadth take at least one regional course and one
thematic course in geography numbered at the 300 level or
above (six hours)

Core Requirements
Select a minimum of 12 hours of courses within geography
numbered at the 200 level or above (12 hours)

Geography Minor for Secondary
Education (21 hours)
GEO 130 Earth’s Physical Environment............... 3
GEO 172 Human Geography................................ 3
GEO 152 Regional Geography of the World
or GEO 160 Lands and Peoples of the
Non-Western World........................................... 3
GEO 300 Geographic Research
or GEO 305 Elements of Cartography
or GEO 310 Quantitative Techniques in Geography.... 3
Nine additional hours in geography at the 200 level or
above (nine hours)

Political Science Major for Secondary
Education (30 hours)

Required
PS 101 American Government......................... 3
Select two (six hours)
PS 210 Introduction to European Politics:
East and West.................................................. 3
PS 212 Culture and Politics in the Third World...... 3
PS 235 World Politics.......................................... 3
PS 240 Ideology, Political Change, and
Contemporary Industrial Society....................... 3
PS 245 Introduction to Political Analysis............. 3
PS 271 Introduction to Political Behavior............. 3
PS 280 Issues in Public Policy......................... 3
Plus a minimum of 21 additional semester hours, of which
at least 15 must be at the 300 level or above. In order to
expose the student to the various subfields of political
science, the combination of courses selected must include at
least one course in each of the subfields 1, 2, and 3 below,
as well as one course in another subfield (21 hours)

1. Theory and Methodology
PS 240 Ideology, Political Change, and
Contemporary Industrial Society....................... 3
PS 245 Introduction to Political Analysis............. 3
PS 441G Early Political Theory............................ 3
PS 442G Modern Political Theory....................... 3
PS 545 American Political Thought..................... 3

2. Comparative Government
PS 210 Introduction to European Politics:
East and West.................................................. 3
PS 212 Culture and Politics in the
Third World.................................................... 3
PS 411G Comparative Government–
Parliamentary Democracies............................. 3
PS 412G Comparative Government–
Parliamentary Democracies II.......................... 3
PS 417G Survey of Sub-Saharan Politics.............. 3
PS 419G The Governments and Politics of
Eastern Asia.................................................... 3
PS 421G Government and Politics of
Southeast Asia................................................ 3
PS 427G East European Politics......................... 3
PS 428G Latin American Government
and Politics.................................................... 3
PS 429G Government and Politics in Russia
and the Post-Soviet States............................... 3

3. International Relations
PS 431G National Security Policy....................... 3
PS 433G Politics of International Economic
Relations.......................................................... 3
PS 436G International Organization..................... 3
PS 437G Dynamics of International Law.............. 3
PS 439G Contemporary International Problems..... 3
PS 538 Conflict and Cooperation in Latin
American Relations........................................... 3
PS 539 The Foreign Policy of the Soviet Union..... 3

4. Political Process
PS 470G American Political Parties............... 3
PS 472G Political Campaigns and Elections........ 3
PS 475G Public Opinion..................................... 3
PS 474G Political Psychology............................. 3
PS 475G Politics and the Mass Media.................. 3
PS 476G Legislative Process............................... 3
PS 479 Women and Politics............................... 3
PS 480G Government and the Economy.............. 3
PS 571 Interest Groups....................................... 3
PS 584 The American Presidency and the
Federal Executive............................................. 3

5. Public Administration
PS 487G Introduction to Public Administration..... 3
PS 489G The Analysis of Public Policy................. 3
PS 580 The Budgetary Process............................ 3

6. Public Law and Judicial Behavior
PS 461G Civil Liberties...................................... 3
PS 463G The American Judicial Process.............. 3
PS 465G Constitutional Law............................. 3
PS 467G The U.S. Supreme Court....................... 3

7. State and Local Government
PS 255 State Government................................... 3
PS 453G Urban Government and Politics............. 3
PS 456G Appalachian Politics......................... 3
PS 557 Kentucky Government and Politics........... 3

Note: The subfield designation for PS 390, PS 395, and PS 491 varies with the topic covered. Check with the depart-
ment for current offerings relevant to social studies.

Political Science Minor for Secondary
Education (21 hours)

Required
PS 101 American Government......................... 3
Select two (six hours)
PS 210 Introduction to European Politics:
East and West.................................................. 3
PS 212 Culture and Politics in the Third World...... 3
PS 235 World Politics.......................................... 3
PS 240 Ideology, Political Change, and
Contemporary Industrial Society....................... 3
PS 245 Introduction to Political Analysis............. 3
PS 271 Introduction to Political Behavior............. 3
PS 280 Issues in Public Policy......................... 3
Twelve additional hours, of which at least nine must be at the
300 level or above.

Breath requirement: same as for major; select one course
from subfields listed for the major (12 hours)

Psychology Major for Secondary
Education (30 hours)

Required (13 hours)
PSY 100 Introduction to Psychology.................. 4
PSY 313 Personality and Individual Differences...... 3
PSY 314 Social Psychology and
Cultural Processes.......................................... 3
PSY 533 Abnormal Psychology............................ 3
Select one (3 hours)
PSY 331 The Psychology of Adjustment............. 3
PSY 448 Applied Social Psychology.................... 3
PSY 449 Interpersonal Processes....................... 3

Select one (4 hours)
PSY 215 Experimental Psychology..................... 4
PSY 330 Research in Personality....................... 4
PSY 440 Research in Social Psychology............. 4
PSY 460 Processes of Psychological
Development.................................................. 4

The remaining hours are elective (10 hours)
Psychology Minor for Secondary Education (18-21 hours)
The required courses are the same as for the major (13 hours)

**Select one** (3 hours)
- PSY 331 The Psychology of Adjustment ................. 3
- PSY 448 Applied Social Psychology .................... 3
- PSY 449 Interpersonal Processes ........................ 3

**Select one** (3-4 hours)
- PSY 215 Experimental Psychology ..................... 4
- PSY 311 Learning and Cognition .......................... 3
- PSY 312 Brain and Behavior ................................ 3
- PSY 430 Research in Personality ........................ 4
- PSY 440 Research in Social Psychology ................ 4
- PSY 460 Processes of Psychological Development ..... 4

Sociology Major for Secondary Education (30 hours)

**Required** (6 hours)
- SOC 101 Introductory Sociology ........................... 3
- SOC 152 Modern Social Problems ........................ 3

**Select one** (6 hours)
- SOC 302 Sociological Research Methods I
  OR
- SOC 303 Sociological Research Methods II ............ 6

- SOC 451G Foundations of Sociological Theory
  OR
- SOC 452G Contemporary Social Theory ................ 6

Electives ................................................................ 18
At least six of the remaining 18 hours must be at the 300 level or higher.

Sociology Minor for Secondary Education (21 hours)

**Required** (6 hours)
- SOC 101 Introductory Sociology ........................... 3
- SOC 152 Modern Social Problems ........................ 3

**Select one** (6 hours)
- SOC 302 Sociological Research Methods I
  OR
- SOC 303 Sociological Research Methods II ............ 6

- SOC 451G Foundations of Sociological Theory
  OR
- SOC 452G Contemporary Social Theory ................ 6

Electives ................................................................ 9
At least six of the nine hours must be at the 300 level or higher.

Electives: Variable, to meet 128 hours Total Program Requirement.

DEGREE PROGRAMS OUTSIDE THE COLLEGE OF EDUCATION

**B.A. with a major in **

ART EDUCATION

The requirements for K-12 art education are listed in the Fine Arts section of this Bulletin.

**COMMUNICATION DISORDERS**

The undergraduate and graduate programs in communication disorders are now part of the Department of Rehabilitation Sciences in the College of Health Sciences. Prospective students should refer to the Health Sciences section of this Bulletin.

**B.A. with a major in **

MUSIC EDUCATION

The requirements for K-12 art education are listed in the Fine Arts section of this Bulletin.

BAChelor of science iN AGRICULTURAL EDUCATION, COMMUNICATIONS AND LEADERSHIP

Requirements are listed in the College of Agriculture section of this Bulletin.

BAChelor of science iN FAMILY AND CONSUMER SCIENCES with an option in Family and Consumer Sciences Education

Requirements are listed in the College of Human Environmental Sciences section of this Bulletin.

BACHELOR OF SCIENCE IN FAMILY STUDIES with a major in Early Childhood Education

Requirements for this certification program are in the College of Human Environmental Sciences section of this Bulletin. Advising for early childhood education is done through that college.

Undergraduate Initial Educator Licensure Programs for Persons Already Holding a Bachelor’s Degree

The College of Education offers undergraduate programs leading to initial certification in early elementary education and middle school education for candidates who already hold a bachelor’s degree from a regionally accredited institution of higher education. These expedited programs are designed to take advantage of candidates’ age and life experiences and to shorten the time required for program completion. They do not lead to a UK bachelor’s degree. Documents describing these programs are available from Academic Services and Teacher Certification, 166 Taylor Education Building, or from the Department of Curriculum and Instruction, 335 Dickey Hall. All College of Education Admission, Retention and Exit to Teacher Education Programs rules apply to these programs. In addition, candidates must adhere to policies relating to field placements and character and fitness reviews. Interested persons are encouraged to see an advisor before enrolling in any courses associated with these programs.

Business and Marketing Education

Teacher certification in business and marketing education is available at UC through the masters of arts in education with initial certification. Students completing a degree in an area of business may seek admission to the program by contacting Dr. Douglas Smith, Chair, Program Faculty in Business and Marketing Education, Department of Curriculum and Instruction.