

# DEPARTMENT OF TEACHING, LEARNING, & EDUCATIONAL LEADERSHIP

## General Information

The Department of Teaching, Learning, & Educational Leadership is responsible for graduate advisement and development in elementary education, middle grade education, secondary education, gifted education, literacy education, special education, library science, and leadership programs. Programs of study may lead to the Master of Arts in Education degree, Rank II, Rank I, and Master of Arts in Teaching degree (Initial Certification).

Additionally, the Department of Teaching, Learning, & Educational Leadership offers a variety of choices to candidates who wish to extend or add to their certificates due to personal choice or changes in school configurations within their districts. Candidates who seek to add an additional area of certification are asked to contact the department for specific program information and review of their current credentials. The secondary education program, in cooperation with appropriate departments throughout the University, offers specific programs in agriculture, art, biology, business education, English, family and consumer science, mathematics: mathematics education, music, physical education, physical science: chemistry, earth science, or physics, school health, social studies: history, and technology.

- **Middle School** (Grades 5 through 9) - Preparation includes either one or two teaching fields selected from English and communications, mathematics, science, or social studies.
- **Secondary School** (Grades 8 through 12) - Preparation includes one or more of the following specializations: English, mathematics, social studies, chemistry, physics, biology, or earth science.
- **Middle/Secondary School** (Grades 5 through 12) - Preparation includes one or more of the following specializations: agriculture, business and marketing education, family and consumer science, industrial education, or engineering and technology.
- **Elementary/Middle/Secondary School** (Primary through Grade 12) - Preparation includes one or more of the following specializations: art, foreign language, gifted education, health, literacy (reading/writing), physical education, music, or school librarian.

Endorsements are additional opportunities for specializing in areas of expertise and expand instructional repertoires for classroom teachers. We offer the following endorsement programs for teachers to add to their base teaching certificate:

- **English as a Second Language (ESL), P-12**
- **Gifted and Talented (GT), P-12**
- **Literacy Specialist, P-12**
- **Teacher Leader, P-12**

The Department also offers degree and non-degree graduate programs including the doctoral degree (Ed.D) with the option of two concentrations (Leadership and Policy Studies or Curriculum Leadership for Social Justice) and a Master's Degree in School Counseling, Student Personnel Services in higher Education, and Educational Specialist Degree in Educational Administration and Supervision. Certification programs include the Principalship, Supervisor, Superintendent, and Pupil

Personnel Services. Through completion of the degree or certification programs, students may earn a chance in their rank status.

## Master of Arts in Education (M.A.Ed.)

### Admission Requirements

Candidates must meet the admissions requirements of the Graduate School and have completed an initial elementary, middle grades, or secondary/P-12/5-12 Kentucky teaching certification program. In addition, candidates must have earned an overall 3.0 undergraduate GPA or a 3.0 in the last 30 hours completed.

## Graduate Advisors

**Dr. Nicola Mason, Department Chair and eCampus Coordinator**

**Dr. Sonja Yow, Associate Chair**

**Dr. Emily Zuccaro, Graduate Programs Coordinator**

*MAEd Literacy, English as a Second Language (ESL), Gifted and Talented (GT), Literacy Specialist, and Teacher Leader Endorsements (P-12)*

**Dr. April Blakely**

*MAED Elementary, Middle and Secondary Education, and Additional Certifications*

**Dr. Ralph Turner**

*Library Science Coordinator and Rank I*

**Dr. Michelle Grempe**

*Deaf and Hard of Hearing (DHH)*

**Dr. Julie Rutland**

*Master of Arts in Teaching (MAT) and Interdisciplinary Early Childhood Education*

**Dr. MaryJo Krile**

*Learning Behaviors Disorders (LBD) and Moderate to Severe Disabilities (MSD)*

**Dr. Ann Burns**

*Leadership Programs*

**Dr. Todd McCardle**

*Ed.D. Programs*

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Based upon individual credentials, may include additional graduate or undergraduate coursework beyond the degree or rank requirement.

## Doctoral

- Doctor of Education with a Concentration in Curriculum Leadership for Social Justice (Ed.D.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational->

leadership/doctor-education-concentration-curriculum-leadership-social-justice/)

- Doctor of Education with a Concentration in Leadership, Policy Studies, and Social Justice (Ed.D.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/edd-concentration-leadership-policy-studies-social-justice/>)

## Specialist

- Educational Administration and Supervision, Specialist in Education (Ed.S.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/educational-administration-supervision-eds/>)

## Master of Arts in Education (MAEd)

- Elementary Education, Master of Arts (M.A.Ed.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/elementary-maed/>)
- Literacy P-12, Master of Arts in Education (M.A.Ed.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/literacy-maed/>)
- Middle Grades Education, Master of Arts with Teacher Leader Endorsement Preparation with a Concentration in Certification Area Specialization (M.A.Ed.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/middle-grades-education-teacher-leader-endorsement-preparation-concentration-area-specialization-maed/>)
- Middle Grades Education, Master of Arts with Teacher Leader Endorsement Preparation with a Concentration in Dual Credit Content Preparation (M.A.Ed.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/middle-grades-education-teacher-leader-endorsement-preparation-concentration-dual-credit-content-maed/>)
- Middle Grades Education, Master of Arts with Teacher Leader Endorsement Preparation with a Concentration in English as a Second Language Endorsement (Grades P#12) (M.A.Ed.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/middle-grades-education-teacher-leader-endorsement-preparation-concentration-english-second-language-maed/>)
- Middle Grades Education, Master of Arts with Teacher Leader Endorsement Preparation with a Concentration in Gifted Education Endorsement (Grades P#12) (M.A.Ed.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/middle-grades-education-teacher-leader-endorsement-preparation-concentration-gifted-maed/>)
- Middle Grades Education, Master of Arts with Teacher Leader Endorsement Preparation with a Concentration in Literacy Specialist Endorsement (Grades P#12) (M.A.Ed.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/middle-grades-education-teacher-leader-endorsement-preparation-concentration-literacy-specialist-maed/>)
- School Leadership, Master of Arts in Education (M.A.Ed.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/school-leadership-maed/>)
- School Librarian, Master of Arts in Education with a Concentration in Additional Certification (M.A.Ed.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/school-librarian-concentration-additional-certification-maed/>)

leadership/school-librarian-concentration-additional-certification-maed/)

- School Librarian, Master of Arts in Education with a Concentration in Endorsement (M.A.Ed.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/school-librarian-concentration-endorsement-maed/>)
- Secondary Education, Master of Arts with Teacher Leader Endorsement Preparation with a Concentration in Certification Area Specialization (M.A.Ed.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/secondary-education-teacher-leader-endorsement-preparation-concentration-area-specialization-maed/>)
- Secondary Education, Master of Arts with Teacher Leader Endorsement Preparation with a Concentration in English as a Second Language (Grades P#12) Endorsement (M.A.Ed.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/secondary-education-teacher-leader-endorsement-preparation-concentration-english-second-language-maed/>)
- Secondary Education, Master of Arts with Teacher Leader Endorsement Preparation with a Concentration in Gifted Education (Grades P#12) Endorsement (M.A.Ed.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/secondary-education-teacher-leader-endorsement-preparation-concentration-gifted-maed/>)
- Secondary Education, Master of Arts with Teacher Leader Endorsement Preparation with a Concentration in Literacy Specialist (Grades P#12) Endorsement (M.A.Ed.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/secondary-education-teacher-leader-endorsement-preparation-concentration-area-specialization-concentration-literacy-maed/>)
- Secondary Education, Master of Arts with Teacher Leader Endorsement Preparation with a Concentration in Preparation to Teach Dual Credit Music (M.A.Ed.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/secondary-education-teacher-leader-endorsement-preparation-concentration-area-specialization-concentration-dual-credit-music-maed/>)
- Secondary Education, Master of Arts with Teacher Leader Endorsement Preparation with a Concentration in Preparation to Teach Dual Credit # Other Subject Area Concentrations (M.A.Ed.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/secondary-education-teacher-leader-endorsement-preparation-concentration-dual-credit-maed/>)
- Special Education, Master of Arts in Education (M.A.Ed.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/special-education-maed/>)

## Master of Arts in Teaching (MAT)

- Teacher Education, Master of Arts in Teaching with a Concentration in Agriculture (Grades 5-12) (M.A.T.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/alternative-routes-initial-certification-mat-teacher-education-concentration-agriculture-grades/>)
- Teacher Education, Master of Arts in Teaching with a Concentration in Art (P-12) (M.A.T.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/alternative-routes-initial-certification-mat-teacher-education-concentration-art-p-12/>)

- alternative-routes-initial-certification-mat-teacher-education-concentration-art/)
- Teacher Education, Master of Arts in Teaching with a Concentration in Biological Science (8-12) (M.A.T.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/alternative-routes-initial-certification-mat-teacher-education-concentration-biological-science/>)
  - Teacher Education, Master of Arts in Teaching with a Concentration in Business and Marketing (5-12) (M.A.T.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/alternative-routes-initial-certification-mat-teacher-education-concentration-business-marketing/>)
  - Teacher Education, Master of Arts in Teaching with a Concentration in Chemistry (8-12) (M.A.T.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/alternative-routes-initial-certification-mat-teacher-education-concentration-chemistry/>)
  - Teacher Education, Master of Arts in Teaching with a Concentration in Deaf and Hard of Hearing Education (M.A.T.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/alternative-routes-initial-certification-mat-teacher-education-concentration-deaf-hard-hearing/>)
  - Teacher Education, Master of Arts in Teaching with a Concentration in Earth Science (8-12) (M.A.T.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/alternative-routes-initial-certification-mat-teacher-education-concentration-earth-science/>)
  - Teacher Education, Master of Arts in Teaching with a Concentration in Elementary Education P-5 Teaching (M.A.T.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/alternative-routes-initial-certification-mat-teacher-education-concentration-elementary/>)
  - Teacher Education, Master of Arts in Teaching with a Concentration in Engineering & Technology Education (5-12) (M.A.T.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/alternative-routes-initial-certification-mat-teacher-education-concentration-engineering-technology/>)
  - Teacher Education, Master of Arts in Teaching with a Concentration in English (8-12) (M.A.T.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/alternative-routes-initial-certification-mat-teacher-education-concentration-english/>)
  - Teacher Education, Master of Arts in Teaching with a Concentration in Family and Consumer Sciences (5-12) (M.A.T.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/alternative-routes-initial-certification-mat-teacher-education-concentration-family-consumer-sciences/>)
  - Teacher Education, Master of Arts in Teaching with a Concentration in French (P-12) (M.A.T.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/alternative-routes-initial-certification-mat-teacher-education-concentration-french/>)
  - Teacher Education, Master of Arts in Teaching with a Concentration in Health Education (P-12) (M.A.T.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/alternative-routes-initial-certification-mat-teacher-education-concentration-health/>)
  - Teacher Education, Master of Arts in Teaching with a Concentration in Interdisciplinary Early Childhood Education (M.A.T.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/alternative-routes-initial-certification-mat-concentration-interdisciplinary-early-childhood/>)
  - Teacher Education, Master of Arts in Teaching with a Concentration in Mathematics (8-12) (M.A.T.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/alternative-routes-initial-certification-mat-teacher-education-concentration-mathematics/>)
  - Teacher Education, Master of Arts in Teaching with a Concentration in Middle Grades 5-9 Teaching (M.A.T.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/alternative-routes-initial-certification-mat-teacher-education-concentration-middle-grades/>)
  - Teacher Education, Master of Arts in Teaching with a Concentration in Music (P-12) (M.A.T.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/alternative-routes-initial-certification-mat-teacher-education-concentration-music/>)
  - Teacher Education, Master of Arts in Teaching with a Concentration in Physical Education & Health Dual Certification (P-12) (M.A.T.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/alternative-routes-initial-certification-mat-teacher-education-concentration-physical-health-dual/>)
  - Teacher Education, Master of Arts in Teaching with a Concentration in Physical Education (P-12) (M.A.T.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/alternative-routes-initial-certification-mat-teacher-education-concentration-physical/>)
  - Teacher Education, Master of Arts in Teaching with a Concentration in Physics (8-12) (M.A.T.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/alternative-routes-initial-certification-mat-teacher-education-concentration-physics/>)
  - Teacher Education, Master of Arts in Teaching with a Concentration in Social Science (8-12) (M.A.T.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/alternative-routes-initial-certification-mat-teacher-education-concentration-social-science/>)
  - Teacher Education, Master of Arts in Teaching with a Concentration in Spanish (P-12) (M.A.T.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/alternative-routes-initial-certification-mat-teacher-education-concentration-spanish/>)
  - Teacher Education, Master of Arts in Teaching with a Concentration in Theatre (P-12) (M.A.T.) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/alternative-routes-initial-certification-mat-teacher-education-concentration-theatre/>)

## Certificate

- Deaf and Hard of Hearing Certification (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/deaf-hard-hearing-certification/>)
- Interdisciplinary Early Childhood Education Certification (IECE) (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/iece/>)

- Learning and Behavior Disorders Certification (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/learning-behavior-disorders-certification/>)
- Moderate and Severe Disabilities Certification (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/moderate-severe-disabilities-certification/>)

## Endorsement Options

- English as a Second Language (Grades P-12), Endorsement Preparation Program (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/english-second-language-endorsement-preparation-program/>)
- Gifted Education (Grades P-12), Endorsement Preparation Program (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/gifted-education-endorsement-preparation-program/>)
- Literacy Specialist (Grades P-12), Endorsement Preparation Program (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/literacy-specialist-endorsement-preparation-program/>)
- Rank I (Sixth Year) Program (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/rank-sixth-year-program/>)
- Teacher Leader, Endorsement Preparation Program (<http://catalogs.eku.edu/graduate/education-applied-human-sciences/teaching-learning-educational-leadership/teacher-leader-endorsement-preparation-program/>)

## Courses

### Educational Core

#### EDC 810. P12 ED/Tech: Critical Issues. (3 Credits)

Online. Introduction to research about integration of technology into P-12 school systems. Students will also investigate current and future technology advancements in hardware, software, networking, support, and training. Basic issues relating to legal and ethical issues relative to technology will also be introduced.

#### EDC 811. P12 Ed/Tech: multimedia Design. (3 Credits)

Online. Corequisite: EDC 810. Introduction to multimedia-authoring approaches and research in electronic formats. Students will create web-based instructional courseware. All students will produce and publish a classroom, school, or other education related website.

#### EDC 812. P12 ED/Tech: Online Learning. (3 Credits)

Online. Corequisite: EDC 810. Understand and apply principles and best practices in online learning as a medium for adding online activities in the P-12 classrooms. Students will evaluate open source software and develop an online course or unit of study using a selected open source system.

#### EDC 813. P12 ED/Tech: Capstone. (3 Credits)

Online. Prerequisites: EDC 810, 811, and 812. Students will synthesize and integrate theories and practices learned from the three previous courses in the program and apply them toward the development of a culminating educational technology project appropriate to the P-12 environment.

## Educational Foundations

#### EDF 804. Teaching and Leading with Tech. (2 Credits)

(2) I, II. Co-requisite: ETL 806. The applications of technology for teaching and learning in educational settings, including uses for promoting interactive engagement, reflection and inquiry, diversity and equity, and leadership.

#### EDF 807. Educational Studies:\_\_\_\_\_. (1-3 Credits)

A. Prerequisite: advisor/departmental chair approval. Independent work, workshop, special topics, or seminars. May be retaken under different subtitles.

#### EDF 837. Comparative Education. (3 Credits)

A. Study of the development of educational thought and practice in selected nations of Europe, Asia, Africa, and South America. Emphasis will be placed on intellectual, historical, and sociological factors.

#### EDF 839. Human Development & Learning. (3 Credits)

The study of various theories of human behavior, development, and learning. Emphasis is placed on current research and theories with special emphasis on different ethnic, cultural and social backgrounds and physical and mental exceptionality of children and youth.

#### EDF 855. Found of Multicultural Educati. (3 Credits)

A. Examination of the education implications of cultural pluralism in America and selected societies of the world.

## Early Elementary Education

#### ELE 707. Problems in Ele Education. (1-3 Credits)

A. Prerequisite: advisor/departmental chair approval. Independent work, special workshops, special topics, or seminar.

#### ELE 719. Teaching in the Kindergarten. (3 Credits)

A. Focuses upon leaders and literature of kindergarten education including historical movements, organizations, curricula, equipment, and procedures used with normal, developmentally different, and multicultural children.

#### ELE 807. Elementary Education:\_\_\_\_\_. (1-3 Credits)

A. Prerequisite: advisor/departmental chair approval. Independent work, workshops, special topics, or seminars. May be retaken under different subtitles.

#### ELE 808. Reading Recovery in Elem Ed. (3 Credits)

Independent work, workshops, or seminars related to the use of Reading Recovery® in Elementary Education. Course is restricted to the Reading Recovery® cohort.

#### ELE 810. Elementary School Curriculum. (3 Credits)

I, II. Study in depth of principles, materials, and procedures in current curriculum development and revision in the elementary school.

#### ELE 820. Literacy Foundation P-5. (3 Credits)

Intensive study of methods and materials appropriate for developing emergent, primary, and transitional literacy in grades P-5.

#### ELE 821. Literacy Instr. & Assess P-5. (3 Credits)

I, II. Pre-requisite: ELE 820. Co-requisite: CED 840. An examination of current trends and problems related to literacy instruction and assessment in grades P-5. Major emphasis on teaching and assessing reading, listening, writing, speaking, grammar, spelling, and handwriting.

#### ELE 822. Mathematical Foundations P-5. (3 Credits)

An overview of the mathematics state standards for teaching mathematics in grades K-5, and theories and research related to teaching and learning mathematics.

**ELE 823. Math Content, Ped, & Assessmen. (3 Credits)**

I, II. Prerequisite: ELE 822. Co-requisite: CED 840. An examination of mathematics for grades P-5 and relevant content, standards, instructional practices, and assessments for learners in this grade span.

**ELE 824. Science Cont, Ped & Asses P-5. (3 Credits)**

I, II. Co-requisite: CED 840. Inquiry-based course focusing on content, pedagogy, and materials for teaching science concepts in primary through grade five.

**ELE 825. Soc Stud Cont, Ped, & Assessme. (3 Credits)**

I, II. Co-requisite: CED 840. This course teaches the content and pedagogical content knowledge in geography, US and world history, government, and civics, cultures, and economics included in elementary state curricula and the Common Core State Standards.

**ELE 826. Integrating Arts, Hum, & Pract. (2 Credits)**

I, II. Study of integrated elementary arts, humanities and practical living skills. Create, reflect upon, and implement essential age-appropriate instruction integrated with elementary content area studies.

**ELE 827. Integrated Thematic Teaching. (2 Credits)**

I, II. Exploration of integrated thematic teaching curriculum focused on making connections through the unification of multiple subjects and experiences.

**ELE 871. Literacy Programs P-5. (3 Credits)**

A. Prerequisite: Admission to Master of Arts in Education, Master of Arts in Teaching, Rank 1, an Endorsement Preparation Program (Elementary Mathematics Specialist, English as a Second Language, Gifted Education, Literacy Specialist, or Reading), or a Certification Preparation Program (Elementary, Middle Grades, Secondary, School Media Librarian, Deaf and Hard of Hearing, Interdisciplinary Early Childhood Education, Learning and Behavior Disorders, or Moderate and Severe Disabilities). Intensive study of methods and materials appropriate for developing emergent, primary, and transitional literacy in grades P-5. (Minimum of 10 clinical hours required.)

**ELE 897. Independent Study. (1-3 Credits)**

I, II. Primarily for advanced graduate students who desire to investigate special problems relating to elementary education. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

**Early Elementary/Middle School****EME 710. Art in the Curriculum. (3 Credits)**

A. Elements of the discipline, creativity, aesthetics, theory, philosophy and instructional facilities will be explored. Individual explorations of research and media.

**EME 751. Linguistics in the Curriculum. (3 Credits)**

A. Investigations of elements in the science of linguistics and their application to communication skills of students.

**EME 786. Teaching of Health in P-8. (3 Credits)**

A. Prerequisites: admission to teacher education and major in school health. Developmentally appropriate curriculum, materials, and methods for the health P-8 program. Minimum of twenty field/clinical hours.

**EME 796. P E for Children and Youth. (3 Credits)**

A. Comprehensive review of techniques used in teaching physical education in the early elementary and middle grades. Emphasis placed on health, evaluation, fitness testing, rhythmical activities, game activities, tumbling and self-testing.

**EME 843. Mathematics Intervention Strat. (3 Credits)**

A. Cross-listed as MAE 843. In-depth analysis of teaching resources, teaching strategies, and appropriate mathematics curriculum content for intervention. Credit will not be awarded for both EME 843 and MAE 843.

**EME 852. Teaching Grammar and Punct.. (3 Credits)**

(II.) Explore linguistic diversity and its impact on language development. Develop and evaluate contextualized, research-based language instructional approaches. Develop instructional plans to improve elementary and middle grades students' use of standard written and oral English. Credit will not be awarded to students who have credit for EME 752.

**EME 861. Art in Elem & Middle Grade P-8. (3 Credits)**

Pre-requisites: Admission to MAT program, concentration in art. Developmentally appropriate curriculum, materials, and methods for the P-8 Art program. Minimum of 10 clinical hours are required.

**EME 863. Social Sci in the Curriculum. (3 Credits)**

A. Emphasis on social science disciplines in the curriculum. New developments in social studies curricula are explored.

**EME 865. Investigations in Reading. (3 Credits)**

A. Prerequisite: ETL 802 or 805; Chair approval. Refine and implement a literacy focused action inquiry project. (Up to 40 hours of field experience may be required within candidates' own classroom or educational setting). Credit will not be awarded for EME 865 and ETL 804 or ETL 806.

**EME 866. Investigations in Mathematics. (1-3 Credits)**

A. Critical study of investigative and theoretical literature dealing with the teaching of mathematics.

**EME 870. Trends in Science Education. (3 Credits)**

A. Exploration of modern trends, practices, and foundation programs drawn from appropriate disciplines which relate to the teaching of science.

**EME 872. Mathematics in the Curriculum. (3 Credits)**

A. Cross-listed as MAE 872. Exploration of trends, concepts, and issues involved in modern mathematics programs. Research findings are examined and multi-sensory materials are presented. Credit will not be awarded to students who have credit for MAE 872.

**EME 873. Research Based Rdg. Inst.. (1-3 Credits)**

A. Advanced study of methods, materials, and organizational procedures appropriate for teaching developmental reading.

**EME 874. Lang Arts in the Curriculum. (3 Credits)**

A. Examination of current trends and curriculum problems related to teaching of language arts. Emphasis on listening, oral and written expression, spelling and handwriting. (Minimum of 10 clinical hours required.)

**EME 876. Investgtns in Sci.Ed/Ind.Study. (3 Credits)**

A. Prerequisite: instructor approval. Individual research and study of investigative and theoretical literature dealing with the teaching of science. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

**EME 877. Practicum for Read Specialists. (3 Credits)**

A. Prerequisites: EMS 868 and 875. Supervised experience for reading specialists in diagnosing and instructing students with reading difficulties.

**EME 878. Teaching Music in Grades P-8. (3 Credits)**

Prerequisites: Admission to MAT program, major in music concentration. Developmentally appropriate materials and methods for teaching P-8 music. Minimum of 20 clinical hours are required.

## Middle Grade Education

### EMG 707. Problems in Middle Grade Educ.: (1-3 Credits)

A. Prerequisite: approval of advisor. Independent work, workshops, special topics, or seminar. May be taken for a maximum of six hours under different subtitles.

### EMG 806. Read Instruction Middle School. (3 Credits)

A. Prerequisite: a course in foundations or reading/language arts instruction. Comprehensive study of materials and strategies for teaching reading in the middle grades with special emphasis on reading in the content areas. (Minimum of 10 clinical hours required)

### EMG 807. Middle Grade Education: \_\_\_\_\_. (1-3 Credits)

A. Independent study, special workshops, topics, or seminars. May be retaken for a maximum of six hours under different subtitles.

### EMG 810. Curriculum in Middle School. (3 Credits)

A. A study of the physical, social, emotional, and intellectual needs unique to the middle grade student and their implications for courses of study, the learning environment, and teacher characteristics.

### EMG 897. Independent Study. (1-3 Credits)

A. Offered for advanced graduate students who desire to investigate special problems related to middle grade education.

## Early Elementary/Middle/Secondary Education

### EMS 702. Music Tech Teaching Methods. (2 Credits)

I. Cross listed with MUE 702. Prerequisite: Instructor approval. Development of strategies and techniques for teaching music through digital pedagogy. Ideas for developing musicianship through hands-on student involvement, as well as the use of technology to aid in instruction and delivery in the music classroom. Credit will not be awarded for both EMS 702 and MUE 702.

### EMS 761. Environmental Education Essen. (3 Credits)

(3) I. This course delves into the philosophy, historical development, resource identification and curriculum development of environmental education. Credit will not be awarded for both EMS 761 and EMS 561.

### EMS 763. Teaching Environmental Educati. (3 Credits)

(3) Summer Only. Appropriate methods and materials for effective environmental education in a variety of settings. Credit will not be awarded for both EMS 563 and EMS 763.

### EMS 764S. Service Learning as Pedagogy. (3 Credits)

(3) A. Classroom service learning strategies and techniques will be modeled. Discussion about practical applications and reflection on class activities will follow. An environmental service learning project will be planned and carried out during the course.

### EMS 765S. Teaching in the Outdoors. (3 Credits)

(3) Summer Only. Basic Principles of outdoor teaching will be combined with outdoor skills and an environmental service learning investigation. Due to its content, this will be taught in workshop format during the summer semester. Credit will not be awarded for both EMS 565S, EMS 864s, and EMS 765S.

### EMS 775. Methods for Multilingual Learners. (3 Credits)

A. The study of effective methods of Teaching English as a Second Language (TESL). Thirty hours of field experiences are required. This course aims to enable you to critically examine, analyze, and apply theories and methodologies used in multilingual teaching. The ultimate purpose/objective of this course is to help you acquire the pedagogical competency repertoire needed to enhance and maximize learning for your multilingual learners.

### EMS 776. Assessment Methods for Multilingual Learners. (3 Credits)

(II) This course is designed to examine the major principles and methods of assessment for multilingual learners, including standardized testing, classroom-based performance, and alternative assessment. Sociocultural issues related to assessment will also be explored. (10 hours of clinical experience required). Credit will not be awarded to students who have credit for EMS 576.

### EMS 777. Culturally and Linguistically Responsive Teaching. (3 Credits)

(II). The purpose of this course is to help educators develop awareness of the implications of cultural and linguistic diversity for school success as well as effective techniques for collaborating with immigrant students and families. 10 hours of clinical experience required. Credit will not be awarded to students who have completed EMS 577.

### EMS 810. Emerging Instructional Technol. (3 Credits)

I, II. Technological applications to education, training, and instruction within educational settings. Students examine, develop, and/or evaluate emerging instructional technologies.

### EMS 818. Effective Inst Models & Pract. (3 Credits)

A. A course designed to help students examine, evaluate, and apply recent research findings related to effective instruction and schools.

### EMS 830. Multicultural Pop/School Curr. (3 Credits)

A. Exploration of ethnic and family backgrounds, class structure, patterns of living, language characteristics, and teacher-pupil attitudes as they relate to the school experience.

### EMS 842. Discipline & Classroom Mgt. (3 Credits)

A. Knowledge and skills necessary for establishing and maintaining positive relationships in the classroom; disciplinary concerns of teachers. Theoretical and tested knowledge in personal behavior and communication skills systems examined for practical and effective application.

### EMS 846. Social Studies Investigation. (3 Credits)

(3) A. Critical study and application of investigative and theoretical literature dealing with the teaching of social sciences.

### EMS 850. Curr. for Leaders in Education. (3 Credits)

A. A course focusing on definition, planning, implementation, and assessment of P-12 curricula. Designed for students pursuing programs in Instructional Leadership.

### EMS 853. Creativity in the Classroom. (3 Credits)

A. Designed to offer students experience with creativity as a necessary component in learning for the gifted as well as all children. Creativity will be modeled in class format and teaching strategies.

### EMS 854. Soc & Emotional Dev of Gifted. (3 Credits)

A. Focuses on the need for affective education of gifted students in a classroom context. Candidates will examine social and emotion issues, review models, and practice differentiated classroom strategies.

### EMS 855. Gifted and Talented Youth. (3 Credits)

A. Survey of the unique characteristics of gifted and talented youth, methods of identification, and educational needs.

### EMS 856. Curr in Gifted/Talented Educat. (3 Credits)

A. Models for gifted and talented curriculum development, gifted and talented curriculum projects and teaching strategies, state and national curricular guidelines for gifted and talented instruction, program delivery options, and technological support are major topics.

### EMS 857. Model Prog-Gifted/Talented Edu. (3 Credits)

A. Examination of school and district wide programs for gifted and talented students including program delivery options, staff development, and development of critical and creative thinking skills.

**EMS 858. Practicum-Gifted & Talented Ed. (3 Credits)**

A. Prerequisites: EMS 855, 856, 857. Supervised teaching experience with gifted/ talented students. Provides students opportunities to apply knowledge and skills in classroom settings. Students will participate in program planning, implementation, and evaluation.

**EMS 861. Environmental Educ Essentials. (3 Credits)**

A. Exploration of the philosophy, historical development, resource identification and curriculum development of environmental education.

**EMS 863. Teaching Environmental Educ. (3 Credits)**

A. Appropriate methods and materials for effective environmental education in a variety of settings.

**EMS 864S. Teaching in the Outdoors. (3 Credits)**

A. Basic principles of outdoor teaching combined with outdoor skills and an environmental issue service-learning investigation. Due to its content, this will be taught in workshop format during the summer. Service learning activities required.

**EMS 868. Inst Tech & Mat for St Rdg Dif. (3 Credits)**

A. Prerequisite: ELE 871, EME 873, EMG 806, or ESE 884. Methods, materials and techniques appropriate for correction of reading problems.

**EMS 870. Literacy Consulting. (3 Credits)**

A. An introduction to the roles, skills, responsibilities and dispositions needed for successful literacy consulting in grades 4-12.

**EMS 871. Literacy Consulting Practicum. (3 Credits)**

A. Prerequisite: EMS 870. Supervised experiences for literacy consultants working in schools to provide instructional support and professional development in the language arts to teachers across the curriculum.

**EMS 873. Trends & Issues in ELA. (3 Credits)**

(3) I. A study of current trends and issues in the six language arts: reading, writing, speaking, listening, viewing, and visually representing. Current theories, relevant research and practical applications are considered in relation to language arts in the K-12 classroom. (Minimum of 10 clinical hours required.)

**EMS 874. Disciplinary Literacy. (3 Credits)**

II. Prerequisites: EGC 820 and EGC 830. Corequisite: CED 830. Emphasis on developmental and content area reading skills, appraisal of content reading abilities, appropriate materials, instructional strategies and assessment.

**EMS 875. Literacy Assess and Instruct. (3 Credits)**

A. Prerequisite: ELE 871, or, EMG 806, or by departmental approval. Theory and implementation of assessment and instruction teaching students with a range of abilities in reading. Emphasis on assessing types and degree of reading strengths and needs, identifying contributing factors., and planning/implementing instruction to meet students' diverse needs and skills. Field/Clinical Experiences: 10 hours.

**EMS 876. Lit., Lead. & Advocate. (3 Credits)**

(3) II. Prerequisites: EMS 875. A culminating course for the program, this is the study of models of literacy leadership (e.g., coaching, mentoring) and how to create need-based literacy plans to assist practicing teachers in P-12 literacy. Field/Clinical Experiences: 20 hours.

**EMS 878. Mathematics Assessment P-12. (3 Credits)**

(3) A. Theory of application of a constructivist approach to mathematics assessment. Emphasis on accessing types and degree of math disabilities, identifying how children construct mathematical knowledge, and planning/implementing instruction to address students' needs.

**EMS 880. Early Ele/Middle Grd/Second Ed. (3 Credits)**

A. Prerequisite: teaching experience. For school and college personnel concerned with improving student teaching experiences.

**EMS 889. Specialist in Ed Capstone. (3 Credits)**

A. Prerequisites: ETL 802 or EDL 810 and EDL 811. Completion of minimum of 24 hours in Ed.S. program. Multimedia presentation of a research project related to. Reflections on individual professional development related to Advanced Kentucky Teacher Standards.

**Education - Teacher Leader****ETL 800. Leadership Skills for Teachers. (3 Credits)**

A. In-depth study of the key concepts, theories, practices, and procedures of teacher leaders in educational environments. This course must be retaken within the first six hours of a candidate's program. (Minimum of 14 clinical hours required.)

**ETL 801. Leading Achievement Change. (3 Credits)**

A. Pre-req/co-req: ETL 800. The study of change theory and its application in educational settings by educational leaders, teacher leaders, professional staff, support staff, students and communities to improve student achievement. 14 field hours required.

**ETL 803. Curriculum for Teacher Leaders. (3 Credits)**

A. Prerequisites/Corequisites: ETL 800. Candidates will conduct curriculum alignment and development that encompasses analysis and justification for applied curriculum at the appropriate level. Candidates will develop formative and summative assessments. They evaluate research-based instructional strategies for all learners. (Field work 13 hours).

**ETL 805. Research Metho for Educ Profes. (3 Credits)**

A. Formerly ETL 802. Prerequisites: Chair Approval. This course introduces research methods in education. Candidates create a research proposal. With a focus on student learning, student achievement, or school improvement. Repeatable to 9 hours.

**ETL 806. Teacher Leader Capstone. (1-3 Credits)**

A. Formerly ETL 804. Prerequisite: ETL 805 (for MAED majors) or EGC 847 (for MAT majors). Candidates will refine a research project begun in ETL 805 or EGC 847. Candidates will collect, analyze, and interpret data related to the impact on student learning and make a final presentation. (Minimum of 40 clinical hours required for advanced licensure candidates. Repeatable for a max of 6 hr.)

**Secondary Education****ESE 707. Problems in Secondary Edu. (1-3 Credits)**

A. Prerequisite: advisor/ departmental chair approval. Independent work, special workshops, special topics, or seminars.

**ESE 740. Teaching Art in the Schools. (3 Credits)**

I. Cross-listed as AED 740. Prerequisite: admission to the MAT program. Corequisite: CED 840. Developmentally appropriate materials and methods for teaching art in the schools. Maximum number of repeatable hours: 6. Credit will not be awarded for both ESE 740 and AED 740.

**ESE 743. Teach/Lang Arts in the Sec Sch. (3 Credits)**

I. Prerequisites: admission to the MAT program. Co-requisite: CED 840. Developmentally appropriate materials and methods for teaching language arts in the secondary school.

**ESE 749. Teach/Soc Stud in the Sec Sch. (3 Credits)**

I. Prerequisites: admission to the MAT program, a "B" or higher in EGC 820 and EGC 830, and a major in the social sciences. Co-requisite: CED 840. Developmentally appropriate materials and methods for teaching social sciences in the secondary school.

**ESE 750. Teach of Mat in the Sec Sch. (3 Credits)**

I. Cross-listed as MAE 750. Corequisite: CED 840. Developmentally appropriate materials and methods for teaching mathematics and computer science in secondary schools. Credit will not be awarded to students who have credit for MAE 750 and ESE 750.

**ESE 752. Teach/Car/Tech Edu/midd/Sec Sc. (3 Credits)**

I. Prerequisite: admission to the MAT program. Co-requisite: CED 840. Developmentally appropriate materials and methods for teaching career and technical education in the middle and secondary schools.

**ESE 753. Family & Consumer Sci Edu Cur. (4 Credits)**

I. Prerequisite: admission to the MAT program. Corequisite: CED 840. Developmentally appropriate materials and methods for teaching family and consumer sciences education curriculum in the secondary schools.

**ESE 761. Teach Sci in Secondary School. (3 Credits)**

I. Prerequisite: Admission into the secondary MAT program. Co-requisite: CED 840. Designed to introduce prospective teachers to the modern materials and methods of teaching biological and physical science at the secondary level.

**ESE 766. Teach Hlth/Phy Educ in Schools. (3 Credits)**

I. Prerequisites: admission to the MAT program with a major in health and physical education. Co-requisite: CED 840. Developmentally appropriate materials and methods for teaching physical education in the secondary schools.

**ESE 773. Teach Bus & Mar in Midd & Sec. (3 Credits)**

I. Prerequisite: admission to the MAT program. Co-requisite: CED 840. Developmentally appropriate materials and methods for teaching business and marketing education.

**ESE 779. Music Educ: Principles & Pract. (3 Credits)**

I. Cross-listed with MUE 779. Prerequisites: admission to the MAT program or a music certification program and MUS 750. Co-requisite: CED 840. Developmentally appropriate materials and methods for teaching music education in secondary schools. Credit will not be awarded to students who have credit for MUE 779.

**ESE 787. Teach of Health Educ in Sec Sc. (3 Credits)**

I. Prerequisites: admission to the MAT program with a major in health education. Developmentally appropriate materials and methods for teaching health education in secondary schools. Minimum of 96 field/clinical hours.

**ESE 807. Secondary Education:\_\_\_\_\_. (1-3 Credits)**

A. Prerequisite: advisor/departmental chair approval. Independent work, workshops, special topics, or seminars. May be retaken under different subtitles.

**ESE 849. Trends and Mat in Soc Stu. (3 Credits)**

A. Designed to broaden the horizons of secondary social studies teachers. Attention focused on new curriculum materials, simulation, videotaped microteaching. Participants will be actively involved, and consultants will assist in areas of particular interest.

**ESE 850. Trends in Secondary Math. (3 Credits)**

I Crosslisted as MAE 850. An examination of curricular trends, modern programs, appropriate strategies, and innovative materials in secondary mathematics. Credit will not be awarded to students who have credit for MAE 850.

**ESE 863. Secondary School Curriculum. (3 Credits)**

II. Aims of the public secondary schools; plans for evaluating curriculum procedures; qualities of good teaching; procedures of evaluating and improving classroom teaching; methods of making the school a more effective agency.

**ESE 864. Special Problems in FCS Ed.. (1-3 Credits)**

Formerly: ESE 766. Student must have independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

**ESE 884. Content Literacy. (3 Credits)**

A. Prerequisites: Admission to Master of Arts in Education or Master of Arts in Teaching or any teacher certification (Rank I or endorsement) programs. Emphasis on developmental and content area reading skills, appraisal of reading abilities, appropriate materials, assessment, and organization of secondary reading program. Minimum of 10 clinical hours.

**Special Education****SED 704. Assistive/Adaptive Technology. (3 Credits)**

I, A. Classroom use and modification of and assistive/adaptive devices. Integration of assistive technology into assessments, IEPs, lesson plans, educational activities, and daily routines. Lab.

**SED 738. Language of Deaf & Hrd of Hring. (3 Credits)**

(3) A. Prerequisite: SED 825 or departmental approval. Receptive and expressive conversational language development and written language acquisition from a developmental perspective. Concepts in bilingual applied to the deaf. Methods to assess and facilitate language development.

**SED 774. Field Exp with Excep Learners. (3 Credits)**

A. Prerequisite: departmental approval. A practical experience with exceptional individuals. Emphasis is directed at behavior management, educational assessment, and IEP/IFSP.

**SED 777. Dual Sensory and Communication. (3 Credits)**

II, A. Prerequisites: SED 260 (or 522/722), 304, and 353/352 (teacher certification for SED 777), or instructor approval. Assessment, planning, and instruction for students with dual sensory impairments and severe cognitive disabilities. Augmentative and alternative communication methods, materials, and devices. Milieu language strategies, symbolic and nonsymbolic communication in natural environments and daily activities.

**SED 780. Audiology for Teachers of DHH. (3 Credits)**

Physics of sound; anatomy, physiology, pathology and medical treatment of the auditory system; introduction to the audiometer and basic pure-tone and speech (auditory) testing; hearing aids and devices; strategies for auditory development.

**SED 781. Speech F/T Deaf & HH. (3 Credits)**

A. Prerequisite: SED 780 or instructor approval. Acoustic articulation, rhythm, phrasing, accent, fluency, effects of impairment on speech, speech reading, auditory training.

**SED 800. Exceptl Learners Gen Ed Class. (3 Credits)**

A. Characteristics of students with disabilities, identification procedures, and instructional strategies.

**SED 801. Adv Early Childhood Assessment. (3 Credits)**

A. Identification and diagnostic procedures of development delay and at-risk conditions in infants, toddlers, and preschoolers. Continuous assessment of children's developmental, instructional, behavioral, and environmental needs; evaluation of effectiveness of services and family involvement.

**SED 802. Adv Early Childhd Intervn Prog. (3 Credits)**

A. Advanced curriculum and program development for infants, toddlers, and preschoolers in school centers or home settings, including collaboration with families and professionals, continuous assessment, and program evaluation.



**SED 804. Educl Mgt of LBD Students. (3 Credits)**

A. Prerequisite: certification in special education or department chair approval. Advanced management and programming for pupils with learning and behavior disorders. Selection, adaptation, development and evaluation of instructional approaches, methods and materials based on current research and best practice. Appropriate field experience required.

**SED 805. Roles of Special Educators. (3 Credits)**

A. Prerequisite: certification in special education or department chair approval. Focuses on roles of special educators in alternative settings, utilizing related services, and working with parents. Emphasis on interpersonal relationships and professional development.

**SED 807. Special Education. (1-3 Credits)**

A. Independent work, workshops, special topics, or seminars. May be retaken under different subtitles. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

**SED 808. Spec Ed Early Childhood Survey. (3 Credits)**

I. Overview of history, philosophy, legislation and services for young children (0-5) at-risk for or with disabilities, including impact and intervention across developmental domains. Focus on research-based practices for early childhood programs.

**SED 809. Diag Teaching Deaf & HH. (3 Credits)**

A. Prerequisites: certification in Special Education or department chair approval and SED 354, SED 804 or instructor approval. Differential diagnosis and educational programming in academic, sociological, and vocational areas with emphasis on case presentation and individual educational plans.

**SED 810. Sp Ed Statutes Regs & Case Law. (3 Credits)**

A. A study of the administrative responsibilities of special education leadership with emphasis on the understanding of the field of special education, related federal and state laws, administrative regulations, instructional arrangements, grant writing and budget.

**SED 811. IECE Assessment. (3 Credits)**

A. Assessing infants, toddlers, and preschoolers with developmental delays and risk factors. Emphasis on screening, eligibility determination, authentic and functional assessments, data collection and interpretation, and collaboration with families and professionals.

**SED 812. Intro Spec Edu Assesment. (3 Credits)**

Formerly SED 776. Principles of tests and measurements. Test administration, scoring, and interpretation applied to exceptional children. Credit will not be awarded for both SED 812 and 776.

**SED 813. Adv Spec Edu Assessment. (3 Credits)**

Formerly SED 803. Evaluation of educational, perceptual, conceptual, social, and psychological characteristics of exceptional individuals. Interpretation for educational and community interventions for exceptional students. Credit will not be awarded for both SED 813 and 803.

**SED 814. Spec Ed Consult & Supv Tech. (3 Credits)**

A. Consulting and supervisory services; recruitment, selection, and utilization of support services, evaluation of personnel in special education and programs; staff development; and mediation techniques.

**SED 815. Response to Intervention. (3 Credits)**

Provides framework for implementing RtI. Focus on components and role of school personnel in RtI Models in the context of legal mandates and ethical guidelines for data collection, interventions, assessments, progress monitoring, and eligibility.

**SED 816. Prac in Spec Educ Administrati. (6 Credits)**

A. Prerequisites: SED 810, 814, and EAD 801 or department chair approval. Supervised experiences in providing consultation services and performing all of the other functions of director of special education including procedures and policies, record keeping, utilization of support services, staff development, and due process.

**SED 817. Behavior Disorders. (3 Credits)**

Formerly SED 778. This course examines behavior disorders and emotional disturbances as educational, psychological, and sociological phenomenon. Definitions, characteristics, theoretical foundations, and programmatic approaches are discussed. Credit will not be awarded for both SED 817 and 778.

**SED 819. Mod/Sev Disabilities Intro. (3 Credits)**

No prerequisite. Introduction to teaching students with Moderate and Severe Disabilities (MSD). Educational needs, issues, legal mandates, family concerns, and best practices for student-focused inclusive school and community programs. Credit will not be awarded for both SED 819 and 700.

**SED 820. Multi-Tier Math/Reading Instr. (3 Credits)**

I. Introduction to foundations, universal core instruction, and progressively intensive math/reading instruction for P-12 students, including students with disabilities. Selection/use of Tier 1 and 2 interventions, features of assessment of math/reading difficulties, data collection and analysis.

**SED 821. MSD Tech/Research-Based Strat. (3 Credits)**

Implementing technology, assistive/adaptive devices, and research-based strategies to support learning of students with moderate and severe disabilities. Includes use of language strategies, symbolic and non-symbolic communication in natural environments and daily routines. Credit will not be awarded for both SED 821 and 730.

**SED 822. DataMgmtRspnsIntervention. (3 Credits)**

Prerequisites: SED 815 and 820. Focuses on research-based practices in tracking student progress. Addresses data collection and analysis in RtI and roles of school personnel to collect, analyze, and make decisions based on student data.

**SED 823. Mod/Sev Disab Methods. (3 Credits)**

Functional assessment and systematic instruction for student with MSD. Use of assessment data to develop IEPs and research-based instructional programs, including activity-based and community-based instruction. Methods and materials for implementing best practices across settings. Credit will not be awarded for both SED 823 and 735.

**SED 824. Early Special Education Topics. (3 Credits)**

Prerequisite: advisor/departmental approval. School related work, special workshops, special seminars. May be retaken up to 6 credit hours provided topics differ. Credit will not be awarded for both SED 824 and 707.

**SED 825. Lang Disorder Students Disabil. (3 Credits)**

Formerly SED 722. Prerequisite: SED 826 or dept. approval. Acquisition of normal language and speech in our multicultural society. Identification and educational management of language and speech disorders in children with disabilities. Credit will not be awarded for both SED 825 and 722.

**SED 826. Best Practices in Spec Edu. (3 Credits)**

Overview of special education including characteristics, definitions, legal mandates, programming requirements, and research based practices to support students with disabilities. Open to non-majors. Credit will not be awarded for both SED 826 and 775.

**SED 827. Early Ch Spec Ed Partnerships. (3 Credits)**

Review of needs and methods for effective collaboration with families of children with disabilities, focusing on family-school-service provider interactions, and impact of family variability on collaboration.

**SED 830. Survey of Ed of Deaf and HoH. (3 Credits)**

A. Discussion of historical, philosophical, educational, psychological, and social aspects of deaf education. An orientation to problems, issues, and research in the field.

**SED 832. Written Lang of Deaf & HH. (3 Credits)**

A. Prerequisite: certification in special education or department chair approval. Methods of developing written language from preschool through secondary levels; including traditional and current methods of teaching written English. Evaluation of written language competence of deaf and hard of hearing students.

**SED 837. Applied Behavior Analysis for Students with Disabilities. (3 Credits)**

I. A study of classroom and behavior management, including applied behavior analysis as applied to classroom and instructional management. Development of skills in data collection, intervention procedures, graphing data, and evaluation of behavior change are the focus..

**SED 845. Spec Ed Transition/Collab. (3 Credits)**

Research-based practices in scheduling and management of Specially Designed Instruction; transdisciplinary services, and transition activities; collaboration with parents, paraprofessionals, and professionals; professional development skills, and records management to support the learning of students with disabilities. Credit will not be awarded for both SED 845 and 745.

**SED 850. Assess/Prog/Methods, D/HH. (3 Credits)**

II. Open to DHH and Communication Disorders graduate students only. Standardized and informal assessments used to measure reading and content knowledge of students who are deaf and hard of hearing. Exploration of professional literature and specialized curricula, programmatic decisions, and high leverage practices for students who are DHH.

**SED 851. Teaching Secondary LBD. (3 Credits)**

A. Focus on education of students with LBD in secondary settings, including academic instruction and learning strategies, social competence, schoolwide management, career education and transition, adolescent sexuality, drug and alcohol use, and juvenile delinquency.

**SED 856. Graduate Methods and Materials. (3 Credits)**

A. Curriculum for exceptional individuals; instructional principles and methodology; development, implementation, and evaluation of educational materials. Course will address teaching strategies using the Program of Studies to make appropriate adaptations and accommodations for diverse learners.

**SED 886. Seminar in Special Education. (3 Credits)**

A. Prerequisite: SED 805 or instructor approval. Critical study of research literature on education of exceptional individuals. Directed study based on student's area of emphasis.

**SED 890. Adv Behav Strateg & Interv. (3 Credits)**

A. Prerequisites: SED 341, SED 590/790, or instructor approval. Study of techniques of applied behavior analysis, functional behavioral assessment, alternative procedures, interventions for severe problem behaviors, and maintaining a safe learning environment for all students.

**SED 897. Practicum in Special Education. (3-6 Credits)**

A. Practicum for graduate students who seek certification in an area in special education.

**SED 898. Capstone Research Project. (1-3 Credits)**

(1-3). A. Prerequisites: EDL 810, EDL 811 and minimum of 24 hours in Ed. S. program. Completion of research project using action or traditional research design with topic related to area of specialization in Special Education.