M.Ed. in Curriculum and Instruction Degree Program

The required courses for the M.Ed. in Curriculum and Instruction include the following:

**Foundation Courses (12 hours)**
- EDUC 5840  Research Based Decision Making
- EDUC 5850  Action Research for School Improvement
- EDCI 5020  Curriculum Development for School Improvement
- EDCI 5030  Instructional Improvement and Assessment

**Curriculum & Instruction (Support) Courses (12 hours)**
- EDCI 5110  Reflective and Coherent Classroom Practice
- EDCI 5120  Advanced Instructional Theories and Strategies
- EDCI 5130  Teaching Diverse Learners
- EDCI 5140  Clinical Internship

**Concentration Courses (12 hours)**
The candidate chooses from one of the following concentration areas:

- **Educational Technology.** Choose 12 hours from the following:
  - ETEC 5620  Evaluation and uses of Computers in Education
  - ETEC 5630  Introduction to Educational Programming
  - ETEC 5650  Technology to Support Standards-based Learning
  - ETEC 5710  Professional Development for 1-12 Technology Integration
  - ETEC 5730  Instructional Television in Education

- **Elementary School Education.** Choose 12 hours from the following:
  - EDUC 5090  Improvement of Instruction in Language Arts
  - EDUC 5310  Improvement of Instruction in Social Studies
  - EDUC 5320  Improvement of Instruction in Mathematics
  - EDUC 5330  Improvement of Instruction in Science
  - RDG 5210  Reading Instruction in the Elementary School
  - ETEC 5710  Professional Development for 1-12 Technology Integration

- **English Education.** Enroll in the following:
  - ENGL 5280  General Composition
  - ENGL 5600  Uses of Folk Materials in Teaching

  Selected 5000-level course in British Literature
  Selected 5000-level course in American Literature

- **Mathematics Education.** Enroll in the following:
  - Math 5150  Foundations of Mathematics
  - Math 5500  Introduction to Modern Analysis I
  - Math 5560  Introduction to Modern Analysis II
  - Math 5530  Selected Topics in Mathematics
- **Reading.** Enroll in the following:
  RDG 5210  Reading and Literacy Instruction in the Elementary School
  RDG 5250  Advanced Reading Instruction Across Content Areas
  RDG 5710  Advanced Diagnosis and Correction of Reading Difficulties
  RDG 6510  Laboratory Practicum in Reading

- **Science Education.** Choose 12 hours from one of the science concentrations listed below:
  **Biology Concentration**
  BIOL 5040 – Biology for Secondary Teachers
  BIOL 5070 – Experimental Biology for Teachers
  BIOL 5950 – Problems in Teaching Biology
  Choose one course from the following:*  
  BIOL 4400 – General Ecology
  ZOOL 5230 – Advanced Human Physiology
  *Courses completed in an undergraduate degree program (4000-level) may not be repeated for credit in a graduate degree program.

  **Chemistry Concentration**
  CHEM 5000 – General Chemistry Principles for Teachers
  CHEM 5010 – Chemistry for Secondary Teachers
  CHEM 5020 – Experimental Chemistry for Teachers
  Choose one course from the following:*  
  CHEM 4040-4041 – General Biochemistry
  CHEM 4130 – Quantum Chemistry
  CHEM 5950 – Research Problems in Chemistry
  *Courses completed in an undergraduate degree program (4000-level) may not be repeated for credit in a graduate degree program.

  **Physics Concentration**
  PHYS 5000 – General Physics Principles for Teachers
  PHYS 5020 – Experimental Physics for Teachers
  PHYS 5090 – Physics for Elementary and Secondary Teachers
  Choose one course from the following:*  
  PHYS 4100 – Modern Physics
  PHYS 4510 – Mechanics
  PHYS 4620 – Electromagnetism
  PHYS 4830 – Quantum Mechanics I
  PHYS 5950 – Research Problems in Physics
  *Courses completed in an undergraduate degree program (4000-level) may not be repeated for credit in a graduate degree program.