A student selecting this option will only be certified to teach language arts and science at the middle level grades 4-8.

**PDE Competency Areas**

**I. Content Knowledge:** 84-85 credits including General Education Requirements which are indicated by an *.

A total of 33 credits are counted in a dual capacity

**Concentration Areas**

**A. Science: 22-23 credits required**

- BIO 100 Basic Biology (3)* or
- BIO 116 Principles of Biology II (4)
- CHM 105 An Observational Approach (3)*
- PHY 108 Astronomy (3)
- PHY 121 Physics I (3)
- PHY 123 Physics I Lab (1)
- ESS 110 Introduction to Geology (3)*
- ESS 111 Intro to the Atmosphere (3)
- BIO 142 Intro to Ecology (3) or
- BIO 145 Intro to the Environment (3)

**B. Language Arts: 21 credits required**

- ENG 190 Literacy in America (3)* or
- ENG 248 Intro to Culturally Diverse Lit (3) or
- ENG 250 Intro to Literature (3)*
- ENG 420 Studies in Writing (3)
- ENG 426 Adolescent Literature (3)
- RDG 232 Reading in the Elementary School (3)
- RDG 334 Reading Assessment (3)
- RDG 340 Seminar in Literacy Tutoring (3)
- ENG 106 Writing Intensive Seminar (3)* or
- ENG 101 College Writing (3)* or
- ENG 110 Advanced Placement Writing* (3)

**Cognate Areas**

**C. Social Studies: 12 credits required**

- GEO 101 World Geography (3)*
- ECN 101 Macroeconomics (3)* or
- PLS 100 US Government and Politics (3)
- HIS 105 World History I (3)*
- HIS 106 World History II (3)

**D. Math: 14 credits required**

- MAT 110 Fundamentals of Math I (3)*
- MAT 111 Fundamentals of Math II (3)*
- MAT 211 Calculus I (4)
- MAT 225 Discrete Mathematics (4)

**E. Writing/Fluency Competencies – 3 credits**

- HCS 100 Intro Human Communication* (3)

**F. Fine Arts – 6 credits**

(Select two from different disciplines)

- Music
  - MUS 110 Fundamental Music Skill (3)* or
  - MUS 121 Introduction to Music (3)* or
  - MUS 261 World Music (3)*

- Art (ART 101 is recommended)
  - ART 101 Art Appreciation (3)* or
  - ART 231 Art History I (3)* or
  - ART 232 Art History II (3)* or
  - ART 274 Intro to Cultural Studies (3)* or
  - ART 339 History of American Art (3)*

- Theatre
  - THE 121 Intro to Theatre (3)*

**G. Social and Behavioral Sciences - 6 credits**

- PSY 101 General Psychology (3)*
  - Choose one of the following
    - ANT 111 Cultural Anthropology (3)* or
    - GEO 140 Cultural Geography (3)* or
    - SOC 101 Intro. to Soc: Society & Div (3)*

**II. Professional Core & Student Teaching: 39 credits**

**A. Middle Level Cognitive Development**

- TCH 206 Social Foundations of Middle Level Educ (3)

**B. Early Adolescent and Adolescent Learning Theory**

- TCH 261 Adolescent Dev and Lng Theory (3)

**C. Assessments and Interventions**

- EEC 480 Assessing Children with Exceptionalities for Curricular Decision Making (3)

**D. Adaptations and Accommodations for Diverse Learners and English Language Learners**

- EEC 273 Introduction to Exceptionalities: Understanding Diverse Learners (3)
- EEC 413 Effective Instructional Strategies for Students with Exceptionalities (3)
- EEC 447 Instructional Content and Practices for Special Education (3)

**E. Middle Level Teaching Methods**

- TCH 322 Teaching Middle Level Language Arts (3)
- TCH 366 Teaching Middle Level Science (3)

**F. English Language Learners (ELL)**

- RDG 413 Teaching Reading to English (3)

**G. Student Teaching**

- Student Teaching Experience (12)
Students electing certain minors can be required to complete more credits to complete both the elementary program and the requirements of the selected minor. **ALL** students are required to complete at least **120 credit hours** for graduation. The **final responsibility** for scheduling and fulfilling program requirements **belongs to the student**. Majors failing to maintain the department required QPA of 3.0 will not be permitted to schedule elementary courses until they have reached the required QPA.
2/29/08