A student selecting this option will only be certified to teach social studies 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 Problems of the Environment (3)

B. **Social Studies: 21 credits required**

- GEO 101 World Geography (3)*
- ECN 101 Macroeconomics (3)*
- HIS 105 World History I (3)*
- HIS 106 World History II (3)*
- GEO 305 Geography of Europe (3) or
- GEO 308 Geography of Latin America or
- GEO 313 Geography of South and South-East Asia or
- GEO 317 Geography of East Asia or
- GEO 415 Regional Geography Studies or
- GEO 450 Field Studies
- PLS 311 The Legislative Process (3) or
- PLS 312 The American Presidency (3) or
- PLS 313 The Judicial Process (3) or
- PLS 342 American Foreign Policy (3) or
- PLS 356 Politics of Developing Regions (3)
- ECN 325 Globalization Issues and Policies (3) or
- ECN 345 Economics of Growth and Development (3)

**Cognate Areas**

C. **Language Arts: 12 credits required**

- ENG 106 Writing Intensive Seminar (3) or
- ENG 101 College Writing (3) or
- ENG 110 Advanced Placement Writing (3)
- HCS 100 Intro Human Communication (3)
- RDG 232 Reading in the Elementary School (3)
- RDG 340 Seminar in Literacy Tutoring (3)

D. **Math: 14 credits required**

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

E. **Literature – 3 credits**

- ENG 243 Art of the Film (3)* or
- ENG 248 Intro to Culturally Diverse Lit (3)* or
- ENG 250 Intro to Literature (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 Studio (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 Found 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 348 Teaching Middle Level Social Studies (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)
Note on Prerequisites

Discrete Math: Students must meet one of the following prerequisites: MAT 120 or college level high placement on the placement test. However, this prerequisite is currently being waived for any student who scores higher than 515 on the math part of the SAT.

Calculus I: Students must meet one of the following prerequisites: a grade of C or better in MAT 175 or advanced level placement on the placement test. However, this prerequisite is currently being waived for any student who scores higher than 605 on the math part of the SAT.

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