Requirements for Certification in Early Childhood Education

1. Completion of co-concentration: (7 units) A liberal arts concentration area of the candidate's choice.
2. Specific units for Early Childhood Education
   a. English (2 Units)
      • Literature (ENG 233)
      • Composition (ENG 102)
   b. A United States History (1 unit)
   c. Mathematics (2 units)
   d. Natural Lab Science (1 unit)
   e. General Psychology (PSY 100)
   f. Child Development (PSY240)
   g. Family/Community/Schools (IDS215)
   h. Early Childhood Education courses
      • EDU 200 Early Childhood Education
      • EDU 220 Pro-Social Classroom
      • EDU 248 Integrated Arts
      • EDU 320 PK-4 Math
      • EDU 321 PK-4 Social Science
      • EDU 322 PK-4 Health & Science
      • EDU 323 Early Lit Foundations
      • EDU 324 Language Arts
      • EDU 327 English Language Learners
      • EDU 328 Practicum
      • EDU 350 Instructional Technology
      • EDU 420 Teacher as Researcher
      • SPE 380 Inclusive Classroom
      • SPE 381 Assessment/Adaptation
      • EDU 402 Professional Seminar
      • EDU 409 Student Teaching
      • EDU 410 Student Teaching

Requirements for Certification in Middle Level Education

1. Specific units for Middle Level Education
   a. English (2 Units)
      • Adolescent Literature (ENG 234)
• Composition (ENG 102)
b. US Government, International Politics, or Comparative Politics (POL 101, 202 or 205)
c. Mathematics (2 units)
d. Biology Concepts (BIO 101)
e. General Psychology (PSY 100)
f. Human Development (PSY 230)
g. Physical Science
h. Earth and Space Science
i. US or Pennsylvania History
j. Education courses
• EDU 202 Middle Level Education
• EDU 230 Communications Skills
• EDU 340 Middle Level Math/Science
• EDU 341 Middle Level Social Studies & Classroom Management
• EDU 343 Middle Level Reading/Language Arts
• EDU 347 ELL Strategies for Adolescents
• EDU 348 Middle Level Practicum
• EDU 349 Teaching the Struggling ML Reader/Writer
• EDU 350 Instructional Technology
• EDU 440 Teacher as Researcher
• SPE 340 Inclusive Practice
• SPE 341 Assessment/Adaptation
• EDU 401 Professional Seminar
• EDU 405 Student Teaching
• EDU 406 Student Teaching

2. Specific units for Content Tracks
a. Language Arts Track
• Survey of American Literature (ENG 204)
• Grammar (ENG 226)
• Language Arts Methods (EDU 344)
• American Literature Course (ENG 210, 380, 384, 385, 386, 388)
b. Mathematics Track
• Calculus I (MAT 131)
• Calculus II (MAT 132)
• Calculus III (MAT 233)
• Foundations (MAT 250)
• Statistics (MAT 310)
• Linear Algebra (MAT 320)
• Differential Equations (MAT 334)
• Geometry (MAT 340)
c. Science Track
• General Biology I (BIO 201)
• General Biology III (BIO 203)
• Analytical Chemistry I (CHE 105)
• Analytical Chemistry II (CHE 106)
• Environmental Issues (EVS 101)
• Astronomy (PHY 102)
• General Physics I (PHY 201)
• General Physics II (PHY 202)
d. Social Studies Track
   • Social Studies I
   • Social Studies II
   • Social Studies III
   • Social Studies IV