



**Courses for PSOE Teacher Preparation Program: Secondary Mathematics Education**  
*(One copy of this form must always remain in candidate's file.) (FALL Semester 2016)*

**General Education Curriculum**

Sem/Yr Gr

**Communication -- 12**

- \_\_\_\_\_ ENG 101 Composition
- \_\_\_\_\_ ENG 103 Comp/Research or  
SCI 103 Writing for the Sciences
- \_\_\_\_\_ COM 108 Communicating Effectively
- \_\_\_\_\_ Arts Experience Course

**Critical Thinking & Inquiry – 13-14**

- \_\_\_\_\_ FYS 101 Seminar in Critical Thinking
- \_\_\_\_\_ MAT 200 Introduction to Statistics
- \_\_\_\_\_ PCS 127 College Physics I (Lab) (4)
- \_\_\_\_\_ Any other Earth/Space Cluster Course

**Knowledge of Self, Society, Culture -- 18**

- \_\_\_\_\_ ENG 203 British Lit I, ENG 204 British Lit II,  
ENG 223 American Lit I, ENG 224 American Lit II,  
ENG 271 World Lit I, or ENG 272 World Lit II
- \_\_\_\_\_ HIS 111 Western Civ I, HIS 112 Western Civ II,  
HIS 120 World Hist I, or HIS 121 World Hist II
- \_\_\_\_\_ HIS 251 US History I or HIS 252 US History II
- \_\_\_\_\_ PSY 101 Introduction to Psychology
- \_\_\_\_\_ REL 104 Introduction to Religion,  
REL 204 Survey of Old Testament, or  
REL 205 Survey of New Testament
- \_\_\_\_\_ SPA 101 Elementary Spanish I

**Values and Ethics -- 5**

- \_\_\_\_\_ PED 100 Fitness for College and Life (2) or  
PED 200 Lifetime Fitness and Wellness (for students  
age 21 and older) (4)
- \_\_\_\_\_ EDU 164/PHI 164 Values, Character, & Leadership  
Development

**Comments:**

**General Education Curriculum: 48-49 Hours**

**Secondary Mathematics Curriculum**

Sem/Yr Gr

**Major Field Courses -- 9**

- \_\_\_\_\_ EDU 225 Lifespan Development from a Multicultural  
Perspective
- \_\_\_\_\_ EDU 230 Common Elements of Differentiated Instruction
- \_\_\_\_\_ EDU 325 Differentiated Curriculum and Instruction
  
- \_\_\_\_\_ EDU 100: PSOE ADMISSION \*

**Teaching Field Courses -- 26  
Required:**

- \_\_\_\_\_ MAT 121 Pre-Calculus Mathematics (4)
- \_\_\_\_\_ MAT 215 Computer Programming (4)
- \_\_\_\_\_ MAT 221 Calculus I (4)
- \_\_\_\_\_ MAT 321 Calculus II (4)
- \_\_\_\_\_ MAT 421 Calculus III (4)
- \_\_\_\_\_ MAT 300 College Geometry
- \_\_\_\_\_ MAT 450 Senior Seminar in Mathematics

**Electives 12**

(Choose 4 of the following courses with at least one 400 level course or above.):

- \_\_\_\_\_ MAT 298 Special Topics in Mathematics
- \_\_\_\_\_ MAT 310 Abstract Algebra
- \_\_\_\_\_ MAT 320 Linear Algebra
- \_\_\_\_\_ MAT 330 Discrete Mathematics
- \_\_\_\_\_ MAT 410 Real Analysis
- \_\_\_\_\_ MAT 420 Differential Equations
- \_\_\_\_\_ MAT 430 Numerical Analysis
- \_\_\_\_\_ MAT 498 Special Topics in Mathematics

\* ALL COURSES BELOW THIS LINE REQUIRE PSOE ADMISSION

**Professional Sequence -- 30**

- \_\_\_\_\_ EDU 327 Differentiated Instruction & Assessment
- \_\_\_\_\_ EDU 329 Teaching in the Inclusion Classroom
- \_\_\_\_\_ EDU 384 Differentiation through Technology
- \_\_\_\_\_ EDU 399 CP: Reading and Writing in Content Areas
- \_\_\_\_\_ EDU 440 CP: Spirituality and the Nurturing Classroom
- \_\_\_\_\_ EDU 472 CP: Mathematics
  
- \_\_\_\_\_ EDU 496 Clinical Residency with Seminars (12 hours)

**Comments:**

**Secondary Mathematics Curriculum: 77 Hours**