

**CLASS B SECONDARY MATHEMATICS EDUCATION PROGRAM CHECKLIST**

INSTITUTION: ALABAMA STATE UNIVERSITY

Date Approved: 9/2/05  
 Date Expires: 3/10/09  
 Revisions: \_\_\_\_\_

**SBE  
 APPROVED  
 TEP**

**General Studies 51**

Shall include courses and/or experiences in the humanities, social science, mathematics, and science.

**Humanities: 12**

- ENG 131-132 Eng Composition OR 6
- ENG 140-141 Honors English 3
- ENG 209 Intro to Literature OR 3
- ENG 210 Intro to Literature 3
- HUM 103\*Hum Thru Afro-Am Exp 3

**Social Science: 12**

- ECO 254 Intro to Economics OR 3
- GEO 206 World Geography 3
- HIS 131 World History 3
- HIS 132 World History 3
- PSY 251 General Psychology 3

**Science: 16**

- CHE 141-142 Gen College Chemistry I, II 8
- CSC 211 Program Concepts Standards Met 4
- CSC 212 Intro Data Structures, Algorithms 4

**Mathematics: 4**

- MAT 265 Calculus and Analytic Geometry\*\* 4

**Other: 7**

- HEA 100 Personal Health 2
- PED Activities 1
- ORI 100 Orientation 1
- SPE 200 Voice and Diction OR 3
- SPE 205 Public Speaking 3

\*Student originating at ASU requirement.

\*\* Student must have prerequisite competencies

**Professional Studies 40**

- EDU 300 Foundations of Education 3
- EDU 400 Psychology of Learning 3
- SED 170 Diverse Students in Inclu Sch 3
- EDU 488 Met of Tchng Math Sec Sch 3
- EDU 321 Instr Technology for Educators 3
- REA 478 Reading in the Content Areas 3
- EDU 301 Meas and Eval in Education 3
- EDU 099 Admission to Teacher Education 0
- EDU 100 Prep for Admission to TEP 1
- EDU 485 Comm Skills for Edu and 6
- EDU 486 Classroom Management in Sec 3

Internship: EDU 482 Professional 12  
Internship in the Secondary School

**Teaching Field\* 44**

At least 1/3 shall be upper-division coursework.  
 (List all courses required for the teaching field.)

- MAT 251 Linear Algebra 3
- MAT 256 Discrete Mathematics 3
- MAT 266 Calculus 4
- MAT 267 Calculus 4
- MAT 373-374 Intro. to Modern Algebra 6
- MAT 375 Differential Equation 3
- MAT 472-473 Probability & Statistics 6
- MAT 484 Modern Geometry 3
- MAT 495 History of Mathematics 3
- MAT 486 Intro to Real Analysis 3
- MAT 487 Senior Seminar 3

**Approved Mathematics Course  
 (300-400 Level)**

- MAT 401 Advanced Calculus 3

**OPTIONAL COURSES:**

**FLS 161 & 162 -Spanish 1 & II**

\*Published admission and curriculum requirements will be modified when necessary to reflect the State Department of Education (SDE) changes.

**Required Exams**

- Exit Exam
- APTP
- PRAXIS II

Dean of Education:

*Peter Maccheri*

Date: July 19, 2005