

CURRICULUM CHECK SHEET
BACHELOR OF ARTS IN EDUCATION,
SECONDARY EDUCATION with a major in
MATHEMATICS
ARIZONA STATE UNIVERSITY
2001-2002

This check sheet supplements the *ASU General Catalog*, the *University General Studies Catalog* and the *College of Education Check Sheet* for this curriculum. Please consult those documents and use the College of Education Check Sheet to record courses meeting College and University requirements. Program and course descriptions for mathematics can be found in the General Catalog. There are two options.

Option 1. The major must include 36 hours in mathematics courses. The following are required:

- MAT 270, Calculus with Analytic Geometry I
 - MAT 271, Calculus with Analytic Geometry II
 - MAT 272, Calculus with Analytic Geometry III
 - MAT 300, Mathematical Structures
 - MAT 310, Introduction to Geometry
 - MAT 342, Linear Algebra
 - MAT 370, Intermediate Calculus
or MAT 371, Advanced Calculus I
 - MAT 443, Introduction to Abstract Algebra
or MAT 445, Theory of Numbers
 - MTE 483, Mathematics in the
Secondary School
 - STP420, Introductory Applied Statistics
 - CSE 100, Introduction to Computer Science
or CSE 183, Applied Problem
Solving with FORTRAN
or CSE 200, Principles of computing
- 36 Semester Hours

Note: MTE 482, Methods of Teaching Mathematics in Secondary School, and MTE 494, Advanced Methods of Teaching Secondary Mathematics, comprise the methods in academic specialization courses for mathematics required as part of the Professional Teacher Preparation Program (PTPP), but cannot be counted as part of the 36-hour major requirement.

Option 2. This option may be examined only in combination with option two in chemistry or physics. The mathematics portion of the program requires 30 semester hours including the following required courses:

- MAT 270, Calculus with Analytic Geometry I
- MAT 271, Calculus with Analytic Geometry II
- MAT 272, Calculus with Analytic Geometry III
- MAT 300, Mathematical Structures
- MAT 310, Introduction to Geometry
- MAT 342, Linear Algebra
- MAT 370, Intermediate Calculus
or MAT 371, Advanced Calculus
- MAT 443, Abstract Algebra

30 Semester Hours

Note: CSE 100 or CSE 183 or CSE 200 are also recommended.