CURRICULUM CHECK SHEET
Bachelor of Arts in Mathematics
Arizona State University
2002-2003

MAJOR REQUIREMENTS

The B.A. degree in mathematics requires a minimum of 36 semester hours of course work in mathematics and statistics, and additional course work in closely related fields, for a total of 51 semester hours. The required course work has the following components:

1. Core courses in mathematics:
   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 342, Linear Algebra
   MAT 370, Intermediate Calculus
   or MAT 371, Advanced Calculus

Subtotal: 21 semester hours

2. Computer science requirement
   CSE 100, Principles of Programming
   or CSE 200, Concepts of Computer Science

Subtotal: 3 semester hours

3. Two advanced courses in mathematics:
   Both courses preferably should be taken from the same grouping.
   (a) Algebra, topology and number theory (MAT 410, 442, 443, 444, 445)
   (b) Computational mathematics (MAT 420, 421, 423, 425, 427)
   (c) Differential equations (MAT 462, 475, 476)
   (d) Analysis and applications (MAT 372, 461, 472)
   (e) Statistics and probability (STP 420, 421, 425, 427, 429)
   (f) Applied mathematics and dynamics (MAT 451, 452, 455)
   (g) Discrete mathematics (MAT 415, 416, 419)

Subtotal: 6 semester hours

4. Three additional courses in mathematics or statistics:
   Three additional MAT or STP courses at the level of MAT 274 or higher or STP 326 or higher, subject to the restrictions below.

Subtotal: 9 semester hours

5. Related field coursework requirement:
   Twelve additional hours of course work in mathematics, statistics, or related fields, subject to the restrictions below. A list of courses is available in the Math Department.

Restrictions:

1. MAT 370 and MAT 371 may not both be counted toward degree requirements in mathematics.
2. A minimum grade of C is required in all coursework used to satisfy major requirements.
3. MAT 362, MAT 485, and ASU West MAT 411 may not be used to satisfy requirement 4.