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

## MAJOR REQUIREMENTS

The B.S. degree in mathematics requires a minimum of 42 semester hours of course work in mathematics and statistics, and additional course work in related fields as approved by the advisor, for a total of 55 semester hours. The required course work has the following components:
4. Two additional courses chosen from the list below. 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)

Students who contemplate graduate work in mathematics should choose courses listed under requirement (3) to satisfy requirement (4).

Subtotal: 6 semester hours
5. Three additional MAT or STP courses at the level of MAT 274 or higher or STP 420 or higher, subject to the restrictions below.
Subtotal: 9 semester hours
6. Ten 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 310, MAT 362, MAT 370, MAT 485, STP 326 and ASU West MAT 411 may not be used to satisfy requirement 5 .
