Wichita State University
Fairmount College of Liberal Arts & Sciences

Bachelor of Science Degree (BS) in Mathematics
Emphasis in Computer Science

Department of Mathematics & Statistics
355 Jabara Hall, Wichita, KS 67260-0033; (316)978-3160

Group R . . . . . Required Courses . . . . . .

____	M415 - An Introduction to Advanced Math	3 hrs
____	M511 - Linear Algebra	3 hrs
____	M547 - Advanced Calculus I	3 hrs
____	M551 - Numerical Methods	3 hrs
____	M555 - Differential Equations I	3 hrs

Plus the Following Three Courses:

____	M451 - Computational Mathematics using MATLAB	3 hrs
____	CS300 - Data Structures and Algorithms I	4 hrs
____	CS320 - Discrete Structures in Computer Science	4 hrs

Plus Five Additional Courses from the following [at least 3 of the five additional courses must be in computer science (CS)]:

____	M331Q - Discrete Mathematics I	3 hrs
____	M553 - Mathematical Models	3 hrs
____	M657 - Optimization Theory	3 hrs
____	M690 - Introduction to Mathematical Logic	3 hrs
____	M751 - Numerical Linear Algebra	3 hrs
____	S774 - Statistical Computing I	3 hrs
____	CS312 - Assembly Language and System Programming	3 hrs
____	CS410 - Programming Paradigms	3 hrs
____	CS440 - Computer Organization and Architecture	4 hrs
____	CS510 - Programming Language Concepts	3 hrs
____	CS540 - Operating Systems	3 hrs
____	CS560 - Data Structures and Algorithms II	3 hrs

Plus a high-level algorithmic computer language. The MATLAB course, Math 451 is strongly recommended.

____	_____	_____

Note:
For students who are contemplating graduate work it is highly recommended that they include Math 513 and 640 in their program, along with courses in one or more of French, German, or Russian.

Minimum G.P.A. for this degree is 2.0

12/23/03