



**B.S. MATHEMATICS MAJOR /
M.S. MANAGEMENT SCIENCE MAJOR**
DEPARTMENT OF MATHEMATICS
DEPARTMENT OF STATISTICS, OPERATIONS AND MANAGEMENT SCIENCE

There are many careers one can pursue with a mathematics major. One option is to pursue an M.S. degree in business modeling and optimization through UT's applications-oriented Management Science program. A sample 5-year program is listed below. Additional information is available from the Statistics Operations and Management Science Office (SMC 331).

B.S. MATHEMATICS MAJOR, IN PREPARATION FOR M.S. IN MANGEMENT SCIENCE

	Credit-Hours
Freshman	
Mathematics 141-142 (or 147-148) and Computer Science 102	11
English Composition	6
Foreign Language	6
Lab Science Distribution Requirement	8
Elective	<u>3</u>
	34
Sophomore	
Mathematics 231, 241 (or 247), 251 (or 257), and 300	13
Non-US History Distribution Requirement	6
Social Science Distribution Requirement	3
Foreign Language (completion of secondary level)	3
Science Distribution Requirement	3
Oral Communications Requirement	2-3
Elective – Business Administration 342	<u>2</u>
	32
Junior	
Mathematics 323, 341, 351, 371	12
Humanities Distribution Requirement	6
Social Science Distribution Requirement	3
Electives (Required: Information Management 443, Management Science 410; Suggested: Operations Management 341 & 441)	<u>12</u>
	33
Senior	
Mathematics 423, 425 (or 424), 453 or 421, 475	12
Statistics 563, Management Science 531 & 532 (for graduate credit)	9
Upper-Level Distribution Requirement	6
Electives	<u>3</u>
	21(U)+9(G)= 30
Total for B.S.	120 minimum
Summer after Year 4- Statistics 571(distance), Management Science 534	6
Year 5:	
Fall – Operations & Management Science 541, Information Systems Elective, Concentration Elective, Management Science 551	12
Comprehensive exam over Management Science 531 & 532	←
Spring – Management Science 533, Concentration Elective, Free Elective	2
Total for M.S.	36