

Mathematical Sciences (BSA Concentration)

David Offner, BSA Mathematical Sciences Concentration Advisor (WEH 6117)

BSA Mathematical Sciences Concentration

(124 units minimum)

Mathematical Sciences Required Courses (6 courses, 61 units minimum)

	Units
15-110 Principles of Computing	10
21-127 Concepts of Mathematics	12
or 21-128 Mathematical Concepts and Proofs	
21-228 Discrete Mathematics	9
21-241 Matrices and Linear Transformations	11
or 21-242 Matrix Theory	
21-259 Calculus in Three Dimensions	10
or 21-268 Multidimensional Calculus	
21-260 Differential Equations	9
or 21-261 Introduction to Ordinary Differential Equations	
or 33-231 Physical Analysis	

Mathematical Sciences Electives (4 courses, 36 units)

May be courses at the 21-300 level or above, or 21-270 or 21-292. Students with a Music concentration should take 21-469 Computational Introduction to Partial Differential Equations.

Mathematical Sciences, Computer Science, or Statistics Electives (3 courses, 27 units)

May be mathematical sciences courses at the 21-300 level or above, or 21-270 or 21-292; computer science courses at the 15-200 level or above; or statistics courses at the 36-300 level or above that have at least 36-225 as a prerequisite.