
MCS CONCENTRATION: MATH

MATHEMATICAL SCIENCES CONCENTRATION (121 units)

BSA Math Academic Advisors:

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Math Sciences Required Courses (85 units)

(Reasonable changes within the core program will be accepted.)

15-100	Introductory/Intermediate Programming	10 units
21-127	Concepts of Mathematics	9 units
21-228	Discrete Mathematics	9 units
21-241	Matrix Algebra I (or 21-341 Linear Algebra)	9 units
21-259	Calculus in Three Dimensions	9 units
21-260	Differential Equations	9 units
21-355	Principles of Real Analysis I	9 units
21-373	Algebraic Structures	9 units
33-112	Physics for Science Students II	12 units

Math Sciences Electives (2 courses, 18 units)

Students with a music focus should take 21-372 (Partial Differential Equations).

Math Sciences, Statistics, or Computer Science Electives (2 courses, 18 units)

May be computer science course above the 100 level, mathematical science courses beyond the calculus sequence, and statistics courses at the level of 36-225 or higher.