

Mathematics Course Choices for BA and BS CS

The Department of Computer Sciences approved the following math courses for the additional math course needed for the BA and BS in Computer Sciences. These courses are also approved for the Science Sequence (Mathematics Option) of the Bachelor of Science in Computer Sciences. Please note that math courses cannot count toward more than one requirement.

M 328K	Introduction to Number Theory
M 343K or 373K	Introduction to Algebraic Structures or Algebraic Structures I
M 343L	Applied Number Theory
M 344K	Intermediate Symbolic Logic
M 346	Applied Linear Algebra
M 348	Scientific Computation in Numerical Analysis
M 358K	Applied Statistics
M 361	Theory of Functions of a Complex Variable
M 361K	Introduction to Real Analysis
M 362K	Probability I
M 362M	Introduction to Stochastic Processes
M 364K	Vector and Tensor Analysis I
M 364L	Vector and Tensor Analysis II
M 365C	Real Analysis I
M 367K	Topology I
M 372	Fourier Series and Boundary Value Problems
M 372K	Partial Differential Equation and Application
M 373K	Algebraic Structures I
M 373L	Algebraic Structures II
M 374	Fourier and Laplace Transforms
M 374G	Linear Regression Analysis
M 374K	Fourier and Laplace Transforms
M 376C	Methods of Applied Mathematics I
M 378K	Introduction to Mathematical Statistics
M 427K	Advanced Calculus for Applications I
M 427L	Advanced Calculus for Applications II
M 474M	Introduction to Mathematical Modeling & Industrial Mathematics

Students who are seeking teaching certification and who have been admitted to the UTeach program may also choose from the following:

M 326K	Foundations of Number Systems
M 333L	Structure of Modern Geometry
M 360M	Mathematics Problem Solving

Upon occasion, the Department may approve other math courses, such as specific topics taught under M 375. Please see your advisor if you want to take a course that is not on the approved list.