

MATHEMATICS, MINOR

College of Letters & Science

The Minor Program

Mathematics is the study of abstract structures, space, change, and the interrelations of these concepts. It also is the language of the exact sciences.

Minor Advisor

For a current list of faculty and staff advisors; see Mathematics Department Advising (<https://www.math.ucdavis.edu/undergrad/advising/advisers/>) or contact Student Services (studentservices@math.ucdavis.edu).

Code	Title	Units
Choose five upper division courses (20 units total) in Mathematics:		20

MAT/BIS 107	Probability & Stochastic Processes with Applications to Biology
MAT 108	Introduction to Abstract Mathematics
MAT 111	History of Mathematics
MAT 114	Convex Geometry
MAT 115A	Number Theory
MAT 115B	Number Theory
MAT 116	Differential Geometry
MAT 118A	Partial Differential Equations: Elementary Methods
MAT 118B	Partial Differential Equations: Eigenfunction Expansions
MAT 118C	Partial Differential Equations: Green's Functions & Transforms
MAT 119A	Ordinary Differential Equations
MAT 119B	Ordinary Differential Equations
MAT 124	Mathematical Biology
MAT 127A	Real Analysis
MAT 127B	Real Analysis
MAT 127C	Real Analysis
MAT 128A	Numerical Analysis
MAT 128B	Numerical Analysis in Solution of Equations
MAT 128C	Numerical Analysis in Differential Equations
MAT 129	Fourier Analysis
MAT 133	Mathematical Finance
MAT 135A	Probability
MAT 135B	Stochastic Processes
MAT 141	Euclidean Geometry
MAT 145	Combinatorics
MAT 146	Algebraic Combinatorics
MAT 147	Topology
MAT 148	Discrete Mathematics
MAT 150A	Modern Algebra
MAT 150B	Modern Algebra
MAT 150C	Modern Algebra

MAT 165	Mathematics & Computers
MAT 167	Applied Linear Algebra
MAT 168	Optimization
MAT 170	Mathematics for Data Analytics & Decision Making
MAT 180	Special Topics
MAT 185A	Complex Analysis
MAT 185B	Complex Analysis
Total Units	20

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Exclusive of MAT 189, MAT 192, MAT 194, MAT 197TC, MAT 198, MAT 199.