

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 or MAT 108V | 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 | |

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| 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.