

Mathematical Sciences at CMC

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Our faculty members are talented and devoted teachers, as well as top researchers in their fields of specialization.

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- **Sequence in Computer Science:** provides a solid introduction to the subject, which can complement any major at CMC. A CS major is also possible with additional courses at Pomona and HMC.

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Each major track consists of 7 core courses and 4 elective courses.

A **dual major** option consists of 7 core courses and 2 elective courses, so 9 total.

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- **CS courses:** Introduction to Computer Science, Fundamentals of Computer Science, Data Structures and Advanced Programming, Database Systems, Distributed Software Architecture.

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- **Group research projects:** a student works in a team of several students on a research project under the supervision of a faculty member, for instance our recent NSF-funded REU (Research Experience for Undergraduates) program and Fletcher Jones Foundation-funded Fellowship program.

Faculty research specialties

Our faculty represent a wide range of mathematical research disciplines, including:

- Abstract Algebra
- Algebraic Topology, Knot Theory, Low Dimensional Topology
- Combinatorics
- Real Analysis, Complex Analysis, Functional Analysis, Harmonic Analysis
- Probability, Statistics
- Number Theory, Discrete Geometry
- Compressive Sensing
- Numerical Analysis, Partial Differential Equations
- Computer Systems, Databases, Programming Languages

Claremont Center for Mathematical Sciences

Math and CS courses and programs at the Claremont Colleges are a cooperative effort of 6 math departments, as well CMC, Pomona, and HMC computer scientists (Pomona and HMC have separate CS departments). In particular, all the math departments are united under the auspices of the **CCMS**, the **Claremont Center for Mathematical Sciences**.

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- Claremont Colleges maintain a world-class mathematics library collection.

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- According to a study by the US Department of Education, the single best predictor of a person's total lifetime potential income is the number of math courses they took in college.

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- Our graduates continue on to a variety of promising careers and top Ph.D. programs every year!

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- Unlike Pomona or HMC, we offer a certain degree of flexibility stemming from the dual major option.

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Thank you!