

Mathematics at the University of California, Riverside

At the University of California, Riverside, the graduate studies program in the Department of Mathematics emphasizes strong interaction with faculty in order to gain maximum benefit from coursework. First, the program allows students to explore new mathematical understanding in both personal and social contexts. Second, it immerses students deeply in exploration, inquiry, and analysis. Finally, the program familiarizes students with the ever-changing body of research literature related to learning and teaching mathematics and contemporary research methodologies.

The cumulative experiences of our mathematics program prepare graduates to conduct quality research in universities or industry, to take on important leadership roles in mathematics education communities, and to enter classrooms better equipped to teach lessons that encourage deeper mathematical thinking. Examples of our highly successful alumni are John Huerta, who with his adviser Professor John Baez, was awarded the prestigious American Mathematics

Society Conant prize in 2013 for their expository paper; and Jianjun Tian, who accepted a tenure-track faculty position at the College of William and Mary.

DEGREE PROGRAMS

The department offers the degrees of Master of Arts, Master of Science, and Doctor of Philosophy in mathematics. Core concentrations include:

- Algebra
- Applied mathematics
- Complex analysis
- Real analysis
- Topology

THE UCR CAMPUS

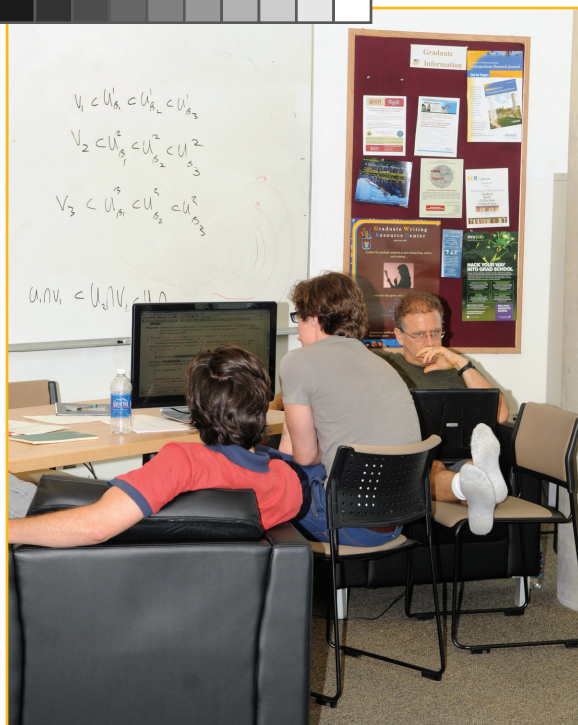
The University of California, Riverside, is one of the oldest UC campuses and is a beautifully landscaped and fast-growing campus conveniently located about 60 miles east of Los Angeles. Generally the cost of living is much lower than other UC campuses.

FINANCIAL SUPPORT

UCR offers a variety of multiyear fellowship packages which may include stipends up to \$20,000, full or partial payment of tuition and fees, and appointment as a teaching assistant (TA) or graduate student researcher (GSR). The department offers teaching assistantships and research assistantships.

STUDENT BODY

In the Department of Mathematics at UC Riverside, we strive to provide a unique and personal experience to each and every student. The department currently enrolls approximately 67 graduate students and has 22 faculty members, who work closely with our students.



RESEARCH AREAS

- Algebraic geometry
- Applied mathematics
- Approximation theory
- Combinatorics
- Commutative algebra
- Complex analysis
- Differential equations
- Differential geometry
- Dynamical systems
- Functional analysis
- Lie algebras
- Representation theory
- Mathematical physics
- Order theory
- Probability theory
- Topology

On the front

The vibrations of the Koch snowflake drum (courtesy of Prof. Michel Lapidus, Cheryl Griffith, John W. Neuberger, and Robert Renka)

ADMISSIONS

Applications are accepted throughout the year for admission in the Fall, Winter, or Spring quarters.

<i>Admission to this quarter</i>	<i>Deadline</i>
Fall Quarter**	January 5
Fall Quarter*	May 1
Winter Quarter*	September 1
Spring Quarter*	December 1

* Admission Only

** Admission and Fellowship Consideration

The admission requirements specify that you must have at least a 3.20 GPA and a minimum GRE General Exam Score of 301-305.

International applicants and permanent residents whose native language is not English must score a minimum of 550 on the TOEFL paper-based exam, 213 on the computer-based version, or 80 on the internet-based version.

All applications should be submitted through our online application system at graduate.ucr.edu.

FOR MORE INFORMATION

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2015

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Graduate Study in
Mathematics

Growing great science
 Making new discoveries
 Building great minds

mathdept.ucr.edu