

The MSRI Undergraduate Program (MSRI-UP) is a comprehensive Research Experience for Undergraduates (REU) program aimed at identifying and supporting talented students from currently underrepresented backgrounds interested in careers in the mathematical sciences.

JUNE 12, 2021 - JULY 24, 2021 · BERKELEY, CA
Mathematical Sciences Research Institute (MSRI)

MSRI-UP seeks undergraduate students who are women or currently underrepresented minorities in the mathematical sciences, who have completed two years of university-level mathematics courses, and would like to conduct research in the mathematical sciences.

This six-week summer program takes place at the Mathematical Sciences Research Institute in Berkeley, California. Eighteen student participants will learn about a modern mathematical topic and conduct collaborative research, working with a community of mentors and academic peers. Participants will leave with the necessary skills and knowledge to conduct and present collaborative research and apply for graduate studies and fellowships.

The research topic of the 2021 program will be Parking Functions: Choose Your Own Adventure.

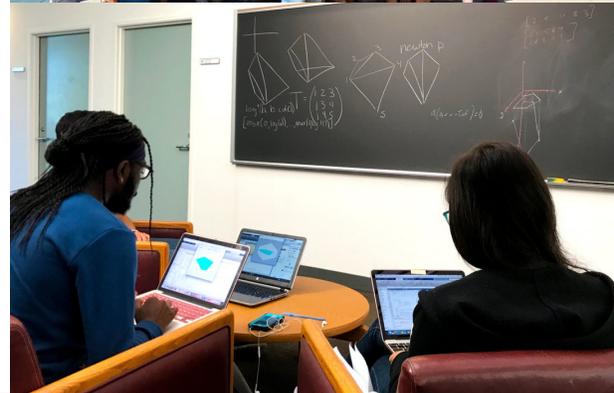
The Research Leader will be Dr. Pamela E. Harris (Williams College). The onsite Director will be Dr. Rebecca Garcia (Sam Houston State University).

FINANCIAL SUPPORT

All participants will receive a \$3,600 stipend, as well as lodging, meals, and roundtrip travel to Berkeley, CA.

MORE INFORMATION

msri.org/up



SUPPORT

During the summer, each of the 18 student participants will:

- participate in the mathematics research program under the direction of Dr. Pamela Harris (Williams College), a post-doc, and two graduate students;
- complete a research project done in collaboration with other MSRI-UP students;
- give a presentation and write a technical report on his/her research project;
- attend a series of colloquium talks given by leading researchers in their fields;
- attend workshops aimed at developing skills and techniques needed for research careers in the mathematical sciences;
- learn techniques that will maximize a student's likelihood of admissions to graduate programs as well as the likelihood of winning fellowships; and
- receive a \$3,600 stipend, lodging, meals and round trip travel to Berkeley, CA.

AFTER MSRI-UP

Each of the 18 students selected for this program will be introduced to a network of mentors and given advice and assistance in navigating the process of applying to graduate schools and fellowship programs.

All participants have the opportunity to present summer research at national conferences in the year following the summer program, and alumni will be contacted regarding future research opportunities.

2021 RESEARCH TOPIC

Parking Functions:

Choose Your Own Adventure

View full 2021 program details online at:

msri.org/up

“It was incredibly valuable to talk with so many amazing mathematicians — my peers, my mentors, the guests who came in, the grad students who were there, and other mathematicians who were working at MSRI.”

ELIGIBILITY

Students who have already graduated or who will have graduated with a bachelor's degree by August 31, 2021 are not eligible to apply.

Due to funding restrictions, only U.S. citizens and permanent residents are eligible to apply. MSRI-UP cannot accept foreign students regardless of funding.

MSRI is committed to the principles of Equal Opportunity and Affirmative Action.

HOW TO APPLY

Applications for MSRI-UP will be done through the National Science Foundation's REU Common Application. The application period is expected to begin in mid-November 2020.

APPLICATION DEADLINES

Applications submitted by February 15, 2021 will receive full consideration. (Applications submitted after February 15, 2021 but by March 1, 2021 may still be considered in a second round of acceptances.) We expect to begin making offers for participation in late February or early March 2021.

For full application details and contact information for the research leaders, [visit the program website](#).

“I really enjoyed the friendships I built here, and especially the close relationships within my advising group.”