

Research Experience for Undergraduates

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Presentation Outline

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Who Should Apply?

Application Process

Program Details

Tips for REU Applications

Closing Statements

The Objective

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- ▶ REU projects involve students in meaningful ways in ongoing research programs or in research projects specifically designed for the REU program.
- ▶ This program facilitates collaboration for undergraduate students to conduct research for six to ten weeks.

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- ▶ This experience also funds the undergraduate participants to display their research at a conference of their choice.
- ▶ This presentation will describe the REU mathematics application process.

Eligibility for REUs

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- ▶ Students that are curious about a career in math can see opportunities in academia and industry.

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- ▶ Most programs ask you to submit a
 - ▶ Cover Letter
 - ▶ Unofficial Transcripts
 - ▶ Two Letters of Recommendation
 - ▶ Statement of Purpose

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- ▶ Participants live with each other at the dormitories at the university of their REU site.

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- ▶ After the REU, the organizers fund the students to present their findings at a mathematics conference of their choice.
- ▶ The undergraduate students can continue to work with their mentors after the program. Once finished, the mentors will help the undergraduates submit their research to a mathematics journal for publication.

Application Tips

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- ▶ Take as many upper division math courses that you can. REU sites will have many projects in pure and applied mathematics. So, having background will help a student better understand their project.

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- ▶ Since applications are free, apply to as many REUs that you can.
- ▶ Your application materials for the REUs can be used for your graduate degree applications in the future.

Further Questions

- ▶ You can find a list of REUs in math at https://www.nsf.gov/crssprgm/reu/list_result.jsp?unitid=5044
 - ▶ It should be the first result when you type 'math REUs'.
- ▶ If you have further questions about applying please contact me at rvicente@hawaii.edu.