

# UR2PhD

## Undergraduate Research to PhD Mentoring

The CRA UR2PhD Program intends to increase the percentage of women and other gender-marginalized students, especially those who identify as Black, Latinx, and Native/Indigenous, entering computing doctoral programs.

UR2PhD aims to ensure that undergraduate students have access to high-quality research opportunities, positive mentorship experiences, and information about graduate study and research pathways.

### UNDERGRADUATE RESEARCH METHODS COURSE

A virtual, synchronous course that prepares participants to develop and apply practical research skills.

Eligibility is limited to groups of 2-4 undergraduates working together on a research project with a local research mentor. Sessions are available during the summer and fall terms.

### GRADUATE STUDENT MENTORSHIP TRAINING COURSE

A virtual, synchronous course that prepares participants to provide culturally-responsive mentorship. First-time participants who complete the course will receive a \$1,000 stipend. Eligibility is limited to people mentoring undergraduates participating in the research methods course.

### UNDERGRADUATE STUDENT BRIDGE WORKSHOPS

Virtual series that empowers participants to learn more about current computing research, research career pathways, and graduate school.

Workshops provide participants with an opportunity to engage and network with active computing researchers and peers.

### PARTICIPANT EXPECTATIONS

For all activities, participants will be expected to attend and actively participate in programming.

Participants may also be asked to complete surveys to aid program evaluation efforts.

# BENEFITS OF PARTICIPATING IN UR2PHD PROGRAMMING:

## ACADEMIC DEPARTMENTS

- Increase the number of undergraduates participating in research without increasing the department's training workload
- Elevate the quality of research mentoring provided by graduate student mentors, contributing to a more robust and effective research ecosystem

## FACULTY MENTORS

- Reduce the time commitment necessary for introducing undergraduate students to research fundamentals
- Enhance the competence of your research team by ensuring that undergraduate researchers receive training in general research methods
- Equip your graduate students with the skills needed to excel as effective research mentors of undergraduate and junior graduate students, freeing up your time for more focused research mentoring.
- Expand the reach and diversity of your research lab

## GRADUATE STUDENTS

- Acquire formal training in the art of effective research mentoring, a pivotal skill for long-term career success
- Learn to design and adapt research projects based on research goals, advisee skills and experiences, and project challenges
- Hone essential communication skills and techniques for assessing and promoting student development and growth
- Develop and formalize a personalized mentorship philosophy
- Establish a supportive peer network with students across various universities

## UNDERGRADUATE STUDENTS

- Learn, practice, and apply fundamental skills necessary to thrive in any technical workplace while earning course credit or pay from your university
- Cultivate connections with undergraduate researchers within and beyond your university, fostering an extensive peer network
- Develop relationships with research mentors and advisors, who can serve as future references
- Expand understanding of computing research, subdisciplines, and topics through engagement with leaders from academia, industry and government labs from across North America
- Grow knowledge about research opportunities and careers, with an opportunity to learn more about graduate school application expectations and requirements



<https://cra.org/ur2phd/>  
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## Institutional Partners

UR2PhD thrives with the support of institutional partners. Institutional partners work with the UR2PhD program leadership to vastly expand the number of research opportunities for women and gender-marginalized undergraduates, including those from marginalized races and ethnicities.

Institutional partners receive a one-time \$2,000 stipend to support efforts to scale undergraduate research.

## Other Opportunities

We often hire folks as consultants to support program efforts. If you're interested in serving as instructor, graduate teaching assistant, or workshop coordinator, get in touch!