



Learning Sciences

grad.lsri.uic.edu

Preparing researchers with the knowledge and skills necessary to address questions fundamental to Learning in the Disciplines

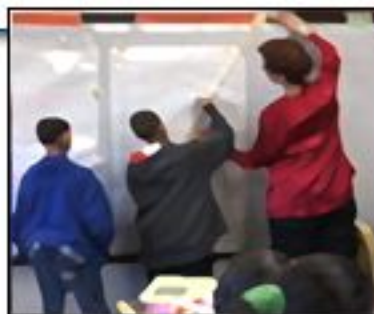


Have you ever thought about things like . . .

- Why some subjects seem harder to learn than others?
- How the complexities of urban environments impact learning?
- Why it is easier to solve math problems when you work with someone else?
- Why some students can understand a chemistry book but struggle to interpret a novel?
- How you learn in a museum? In a barbershop? In a classroom?

UIC's Learning Sciences Program is the ideal place to explore questions like these because:

- It is an interdisciplinary program drawing on faculty in disciplines within Arts & Sciences, Education, Engineering and Computer Science.
- It supports the use of multiple perspectives and methodologies in research and design.
- It prepares students to look at what content is being learned, as well as how and why.



Research in the Learning Sciences

The Learning Sciences program is affiliated with UIC's Learning Sciences Research Institute (LSRI). LSRI provides graduate students opportunities to apprentice with **nationally-recognized** scholars on a range of research topics.

The LSRI features:

- A close affiliation with the Chicago Public Schools—the nation's 3rd-largest school system
- Connections with museums, after-school programs, and informal learning environments
- Joint projects with programs that prepare new teachers for the Chicago Public Schools

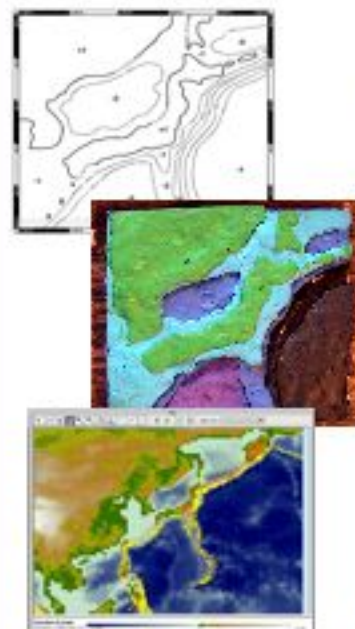
These **partnerships** enable graduate students to conduct research in a wide variety of learning environments.

Learning Sciences, UIC's way ...

Learning Sciences is an emerging field that draws on expertise in behavioral, computer, developmental, educational, engineering, natural, and social sciences to tackle key questions about learning and education.

In UIC's Learning Sciences PhD Program, you can explore:

- How understanding **cognition** helps us **design** better learning environments for literacy, mathematics, science, history...
- How understanding **social** and **cultural dimensions** of learning informs research and design
- How **emerging technologies** can bolster our human capacity for learning
- How to conduct **rigorous** research that addresses **real-world** problems
- How to **partner** in this work with educators, parents, communities, administrators, and learners



Structure of the PhD Program

UIC's Learning Sciences doctoral program is the **first of its kind** to prepare students to address educational challenges through a focus on **Learning in the Disciplines**.

This 5-year program combines **doctoral training** in the Learning Sciences with graduate-level study in an area of **specialization** (e.g., chemistry, computer science, history, literacy, mathematics, ...).

Innovative **courses** provide students a strong foundation in **contemporary approaches** to learning, design, and research, including:

- Introduction to Learning Sciences
- Research Methods I & II
- Foundations of Scientific Inquiry
- Analyzing Teaching & Learning Interactions
- Design of Learning Environments
- Individual & Organizational Change
- Learning Sciences Journal Club
- Disciplinary specialization



The University of Illinois at Chicago is a major research university located in the heart of the city. The largest university in the Chicago area, UIC has over 25,000 students, 2,000 faculty, fifteen colleges and annual research expenditures exceeding \$290 million. UIC boasts an internationally recognized faculty and one of the nation's most diverse student populations.