

LEARNING SCIENCES PHD

Degree Requirements

The following requirements are in addition to, or further elaborate upon, those requirements outlined in The Graduate School Policy Guide (<https://catalogs.northwestern.edu/tgs/academic-policies-procedures/>).

PhD

Total Units Required: 15

Course	Title
Required courses:	
LRN_SCI 401-0	Knowledge Representation for the Learning Sciences
LRN_SCI 402-0	Social Dimensions of Teaching & Learning
LRN_SCI 403-0	Foundations of the Learning Science
LRN_SCI 405-2	What's the System in Educational Systems
LRN_SCI 425-0	Introduction to Design for the Learning Sciences
LRN_SCI 451-0	Topics in Learning Sciences (Field Methods)
LRN_SCI 451-0	Topics in Learning Sciences (Advanced Qualitative Methods)
LRN_SCI 451-0	Topics in Learning Sciences (Quantitative Methods 1)
LRN_SCI 451-0	Topics in Learning Sciences (Quantitative Methods 2)
Two of the following courses:	
LRN_SCI 426-0	Design of Technological Tools for Thinking and Learning
LRN_SCI 429-0	Design of Learning Environments
COMP_SCI 430-0	Design of Interactive Learning Environments
COMP_SCI 472-0	Designing & Constructing Models with Multi-Agent Language
Program seminars or University graduate-level courses (5)	

Other PhD Degree Requirements

- Examinations: written qualifying exam taken during summer after second year
- Research/Projects: research presentation and paper after second year; pre-dissertation research project
- Teaching: serve as teaching assistant for at least two courses
- PhD Dissertation: based upon independent research
- Final Evaluations: oral defense of dissertation research