LEARNING SCIENCES (LS) CURRICULUM

The Learning Sciences (LS) concentration, new at Northwestern as of Fall 2016, equips students with the theoretical and practical knowledge to understand learning in a wide range of social contexts. LS is an applied design field as well, with practitioners drawing upon and testing new theories of learning through their designs. Design within LS applies to curriculum, social arrangements, and even the architectural organization of space. Learning has become a central concern for all organizations in our society, both formal and informal. Learning is a central concern for schools, certainly, and also for workplaces and informal education contexts across society, including museums and zoos. Students studying LS will become leaders in the analysis and design of learning environments.

Curriculum

Students must complete the following LS concentration courses:

- **LRN SCI 201** Cognition and Action
- **LRN SCI 202** Culture, Language and Identity
- **LRN SCI 301** Design of Learning Environments
- One (1) of the following three (3) cognitive science approved courses:
  - **COG SCI 207** Intro to Cognitive Modeling
  - **COG SCI 211** Learning, Representation and Reasoning
  - **PSCYH 228** Cognitive Psychology
- One (1) of the following five (5) language in social context approved courses:
  - **ANTHRO 215** The Study of Culture through Language
  - **LING 220** Language and Society
  - **LING 221** Language and Prejudice
  - **LING 222** Language, Politics and Identity
  - **LING 223** Language and Gender

- Choose one (1) of the following three (3) specializations, taking at least two (2) courses in that area, and at least one (1) in each of the other specialization areas:
  - **Specialization 1: Learning in Schools**
    - **LRN SCI/TEACH ED 302** Social Contexts of Education
    - **LRN SCI/TEACH ED 304** Intro to Schooling in Communities
    - **LRN SCI/TEACH ED 338** Learning and Teaching with Technology
  - **Specialization 2: Out-of-School Learning**
    - **LRN SCI/LOC 308** Cognition in Contexts
    - **LRN SCI 306** Learning with New Media
    - **LRN SCI/LOC 214** Culture and Cognition
• **Specialization 3: Design of Learning Environments**
  - LRN SCI 307  Designing Interactive Media and Technology
  - SESP 303  Designing for Social Change
  - EECS 395  Tangible Interaction Design and Learning
  - LRN SCI/EECS 372  Designing & Constructing Models with Multiagent Languages

• **Practicum**

Your remaining 9 concentration courses are selected from the approved course list, in consultation with your academic advisor. A total of nine (9) total concentration courses must be at the 300 level (LRN SCI 301, ANTHRO 361, ANTHRO 365, LRN SCI 302, LRN SCI 304, LRN SCI 338, LRN SCI 308, LRN SCI 306, LRN SCI 307, EECS 395, LRN SCI/EECS 372 would all count toward this requirement).