

LEARNING SCIENCES MAJOR

Students must also complete the Undergraduate Registration Requirement (<https://catalogs.northwestern.edu/undergraduate/requirements-policies/undergraduate-registration-requirement>) and the degree requirements of their home school.

Concentration Program—16 units

Course	Title
Required Courses (9 units)	
LRN_SCI 201-0	Cognition and Action
LRN_SCI 202-0	Culture, Language, & Identity
LRN_SCI 301-0	Design of Learning Environments
1 course chosen from:	
COG_SCI 207-0	Introduction to Cognitive Modeling
COG_SCI 211-0	Learning, Representation & Reasoning
PSYCH 228-0	Cognitive Psychology
1 course chosen from:	
ANTHRO 215-0	The Study of Culture through Language
LING 220-0	Language and Society
LING 221-0	Language and Prejudice
LING 222-0	Language, Politics, and Identity
LING 223-0	Language and Gender
1 course chosen from:	
LRN_SCI 302-0	Social Contexts of Education
LRN_SCI 304-0	Intro to Schooling in Communities
LRN_SCI 338-0	Learning and Teaching with Technology
1 course chosen from:	
LRN_SCI 214-0	Culture and Cognition
LRN_SCI 306-0	Learning with New Media
LRN_SCI 308-0	Cognition in Context
1 course chosen from:	
SESP 303-0	Designing for Social Change
LRN_SCI 307-0	Designing Interactive Media and Technology for Learning
LRN_SCI 313-0	Tangible Interaction Design and Learning
LRN_SCI 372-0	Designing and Constructing Models with Multi-agent Languages

1 additional course in student's specialization

Concentration Courses (7 units)

Must be selected from an approved list of courses in learning sciences, other SESP concentrations, and disciplines such as anthropology, communication studies, computer science, design, linguistics, and psychology. Must include at least 3 courses at the 300 level. Up to 3 units of SESP 390-0 Research Apprenticeship or SESP 399-0 Independent Study and 3 units of SESP 398-0 Honors Thesis may be counted toward this requirement.

SESP Core (8 units)

Course	Title
Basic courses—2 units	
SESP 201-0	Human Development: Childhood and Adolescence
or SESP 203-0	Human Development: Adulthood and Aging
1 inequality and diversity issues course, chosen from:	
LRN_SCI 202-0	Culture, Language, & Identity
LOC 214-0	Culture and Cognition
SESP 317-0	Gender and the Life Course
SESP 320-0	Race and Education

TEACH_ED 302-0	Social Contexts of Education
or an approved equivalent	
Research methods—2 units	
SESP 210-0	Introduction to Statistics and Research Methodology
SESP 372-0	Methods of Observing Human Behavior
Practicum—4 units ¹	
SESP 382-0	Practicum in Human Development; Learning Sciences
or SESP 384-0	Practicum in Human Development - Washington, D.C.
or SESP 386-0	Practicum: Human Development & Psychological Svcs.
or SESP 387-0	Practicum: Learning & Organizational Change
or SESP 388-0	Practicum: Social Policy
or SESP 389-0	Practicum in Human Development - San Francisco

¹ Practicum course must be in concentration field.

This 4-unit course may be taken either for 1 quarter during the junior year or for nine weeks during the Summer Session before or after the junior year; no fifth unit may be taken concurrently without special permission. At least 2 quarters before registering for the course, students must consult the SESP practicum director regarding procedures and site-placement application materials; for Summer Session practicums, consultation should be scheduled at least 3 quarters in advance.

Distribution Requirements (10 units)

- 2 natural sciences courses
- 2 formal studies courses (mathematics, logic, etc.)
- 2 historical studies courses
- 2 ethics and values courses (philosophy, religion, etc.)
- 2 literature and fine arts courses

Selected courses from Weinberg College and professional schools across the University may be used to fulfill distribution requirements with the consent of the student's adviser and the SESP assistant dean for student affairs.

Electives (8 units)

Courses from any school across the University may be used to fulfill elective requirements. Students are encouraged to discuss their elective plans with their advisers; they may be able to pursue a second major or a minor using elective credits.