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*

* 8 of the 16 units need to be at the 300-level

Course | Title
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**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 for the Cognition cluster from:
CG_SCI 207-0 | Introduction to Cognitive Modeling
CG_SCI 211-0 | Learning, Representation & Reasoning
PSYCH 228-0 | Cognitive Psychology
1 course for the Language and Culture cluster 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 for the Learning in Schools cluster 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 for the Out of School Learning cluster from:
LRN_SCI 214-0 | Culture and Cognition
LRN_SCI 306-0 | Learning with New Media
LRN_SCI 308-0 | Redesigning Everyday Organizations
1 course for the Design of Learning Environments cluster 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
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**Seminar—1 unit**
SESP 200-0 | Understanding Knowledge
**Human Development—1 unit**
SESP 201-0 | Human Development: Childhood and Adolescence
SESP 203-0 | Human Development: Adulthood and Aging
HDPS 310-0 | The Art and Science of Aging

Methodologies —2 units
SESP 210-0 | Introduction to Statistics and Research Methodology
SESP 372-0 | Methods of Observing Human Behavior

Experiential Learning—4 units
SESP 382-0 | Practicum in Human Development; Learning Sciences
SESP 385-0 | Practicum in Human Development - Washington, D.C.
SESP 386-0 | Practicum: Human Development & Psychological Svcs.
SESP 387-0 | Practicum: Learning & Organizational Change
SESP 388-0 | Practicum: Social Policy
SESP 389-0 | Practicum in Human Development - San Francisco

Practicum course must be in concentration field. This 4-unit course may be taken either for 1 quarter during junior year or for nine weeks during the Summer Session before or after 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.

Overlay Requirements*

* Overlay requirements are fulfilled by courses taken for the concentration

Course | Title
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Global Engagement
1 quarter of study abroad or 3 quarters of foreign language or equivalent
Social Inequalities
1 course counted towards the concentration: LOC 214-0, LRN_SCI 214-0, LRN_SCI 309-0, SESP 317-0, SESP 351-0 (Exploring Intersections: Tech, Ethics, Race, and Power), SESP 351-0 (Race, Adolescence, and School Discipline), TEACH_ED 302-0
Methods in Context
1 course counted towards the concentration: HDPS 309-0, HDPS 351-0 (Generativity and the Study of Lives), LOC 309-0, LOC 310-0, LOC 311-0, LOC 391-0, LRN_SCI 301-0, LRN_SCI 309-0, LRN_SCI 313-0, LRN_SCI 351-0 (Design of Sociotechnical Systems), SESP 251-0 (Community Based Research Methods: Educational Justice), SESP 303-0, SESP 310-0, SESP 351-0 (Exploring Intersections: Tech, Ethics, Race, and Power), SOC_POL 312-0, SOC_POL 330-0, SOC_POL 332-0, SOC_POL 351-0 (Quantitative Tools for Policy Analysis), SOC_POL 351-0 (Econ of Health and Wellbeing)

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.