The undergraduate non-licensure concentration in Applied Learning Science (AppLeS) will provide a thorough grounding in the learning sciences through an innovative program that includes courses in learning, language understanding, quantitative reasoning and statistics, designing learning environments, and human performance. The program culminates in a capstone course in which the student works on a research project under the direction of one or more faculty members. Graduating students will have a solid preparation for graduate study in this emerging area of scholarship (such as the new Learning Science and Engineering Professional MS Program at Carnegie-Mellon University), as well as in education, psychology, business, law, and other more traditional areas of study. In addition, through their coursework and research experience, international and domestic students will be prepared for a wide range of current (and future) jobs that require expertise in design, analysis, and evaluation of learning environments, as teachers, policy makers, analysts, and professionals in government, healthcare, business, and nonprofit organizations.

Students in the AppLeS concentration will:

- Explore theories, phenomena, and methods in the learning sciences (i.e., the biological, cognitive, dispositional, and sociocultural underpinnings of learning).
- Identify general principles of learning, their contextual variations, and how they can be applied in the classroom, at work and home, and diverse settings of daily life.
- Acquire flexible learning and problem solving skills that can be broadly applied in diverse contexts, including research, quantitative reasoning, communication, and collaborative problem solving.

Students are encouraged to pursue a minor or a coherent set of electives from several departments as approved by their adviser. Suggested minors are: Communication, Computer Science, Informatics, Linguistics, Mathematics or Statistics.
Learning & Education Studies: Applied Learning Science, BS (AppLeS)

EPSY 400  Psychology of Learning in Education
EPSY 401  Child Language and Education
Leadership in a Diverse Global Economy:
EDUC 202  Social Justice, School and Society
EPS 310  Race and Cultural Diversity
EPS 402  Asian American Education
EPS 405  Historical and Social Barriers
HRD 414  Facilitation Skills
HRD 415  Diversity in the Workplace

Concentration 2
Students must complete 24 credit hours within one of
the following areas of concentration: 1) Applied Learning
Science, 2) Educational Equality and Cultural Understanding,
3) Workplace Training and Development, or 4) Digital
Environments for Learning, Teaching and Agency.

Electives
Electives (including minor, if taken) 12-31
Total Hours 120

Total minimum hours include general education, language other than
English, concentration and core credits.

1 General Education Requirement. Courses must be selected from
the Campus General Education Approved Course List (https://
courses.illinois.edu).

2 Concentration and Core Requirement courses found on the General
Education Approved Course List (https://courses.illinois.edu) may
also be credited toward the General Education requirements.

3 Courses except EDUC 202 and EPS 402 may be counted toward both
the Core and Concentration requirements.

Applied Learning Science (AppLeS) Concentration
The following courses are required for this concentration. Changes/
additions to this list can be obtained from the College office. Approvals
for substitution must be submitted by petition to the College office for
approval by the Assistant Dean for Academic Affairs.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPSY 403</td>
<td>Research Methods in Learning Sciences</td>
<td>3</td>
</tr>
<tr>
<td>EPSY 480</td>
<td>Educational Statistics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Capstone Research Project</td>
<td>3</td>
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<tr>
<td></td>
<td>EPSY 395  Independent Study (1 hour)</td>
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<tr>
<td></td>
<td>EPSY 398  Thesis (2 hours)</td>
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<tr>
<td>Choose 2 from the Cognitive Science of Learning area:</td>
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<tr>
<td></td>
<td>BCOG 458  Advances in Brain and Cognitive Science</td>
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<td>EPSY 427  Learning from Text</td>
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<td>EPSY 456  Human Performance and Cognition in Context</td>
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<td></td>
<td>EPSY 490  Developments in Educational Psychology (Learning in Everyday Contexts section)</td>
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<tr>
<td></td>
<td>EPSY 490  Developments in Educational Psychology (Multimedia Comprehension section)</td>
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<tr>
<td>Choose 2 from the Learning in Social and Developmental Contexts area:</td>
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<td>CI 424  Child Development &amp; Technology</td>
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<td>EPSY 402  Sociocultural Influence on Learning</td>
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<td></td>
<td>EPSY 404  Adjustment in School Settings</td>
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</tbody>
</table>

Total Hours 24

Information listed in this catalog is current as of 03/2020