LEARNING & EDUCATION STUDIES: APPLIED LEARNING SCIENCE, BS (APPLES)

for the degree of Bachelor of Science Major in Learning & Education Studies, Applied Learning Science concentration

assistant dean for academic affairs: Kathy Ryan
department office: 110 Education Building
1310 South Sixth
Champaign, IL 61820
phone: (217) 333-2800
e-mail: saao@education.illinois.edu
program website: Learning and Education Studies (https://education.illinois.edu/programs/undergrad/learning-and-education-studies/)
faculty: College of Education Faculty (https://education.illinois.edu/faculty-finder/)
overview of college admissions & requirements: U (https://admissions.illinois.edu/myillini-apply/)
college website: https://education.illinois.edu/

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.

for the degree of Bachelor of Science Major in Learning & Education Studies, Applied Learning Sciences concentration

A minimum of 120 semester hours is necessary for graduation in the Learning and Education Studies program. Students will spend much of the first two years with general education courses, achieving a solid preparation in the humanities, social and natural sciences, technology and mathematics. In the final two years of the major, students will take a set of core courses, as well as coursework in one of the concentrations.

Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDUC 101</td>
<td>Education Orientation Seminar</td>
<td>1</td>
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</table>

The following degree requirements also meet general education course requirements and must be selected from the campus general education (https://courses.illinois.edu/) course list. Selections of core requirements courses should be made in consultation with the adviser.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Composition</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Composition I</td>
<td></td>
<td>4-6</td>
</tr>
<tr>
<td>Advanced Composition</td>
<td></td>
<td>3-4</td>
</tr>
</tbody>
</table>

Quantitative Reasoning

An approved basic course in statistical methods such as STAT 100, SOC 280, or PSYC 235

From approved campus list

Natural Sciences and Technology

From approved campus list

Humanities and the Arts

From approved campus list

Social and Behavioral Sciences

From approved campus list (must include PSYC 100)

Cultural Studies

From Western Culture(s) approved campus list

From U.S. Minority Culture(s) approved campus list

From Non-Western Culture(s) approved campus list

Language other than English

Three years of one language other than English in high school or completion of the third semester of college-level language

0-12

Core Requirements

Choose 2 from the following Education Foundations:

- EPS 201, Foundations of Education; EPS 202, Foundations of Education Advanced Composition; or EDUC 201, Identity and Difference in Edu

- EPSY 220 Career Theory and Practice

- EPSY 236 Child Development in Education

SPED 117 The Culture of Disability

Choose 6 from the following, with at least 2 in each area:

Learning and Instruction:

CI 210 Introduction to Digital Learning Environments

CI 415 Language Varieties, Cultures and Learning

EPOL 350 Social Learning and Knowledge

Information listed in this catalog is current as of 01/2022
Learning & Education Studies: Applied Learning Science, BS (AppLeS)

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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EPSY 201</td>
<td>Educational Psychology</td>
<td></td>
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<tr>
<td>EPSY 400</td>
<td>Psychology of Learning in Education</td>
<td></td>
</tr>
<tr>
<td>EPSY 401</td>
<td>Child Language and Education</td>
<td></td>
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</tbody>
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Leadership in a Diverse Global Economy:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 202</td>
<td>Social Justice, School and Society</td>
<td>3</td>
</tr>
<tr>
<td>EPS 310</td>
<td>Race and Cultural Diversity</td>
<td></td>
</tr>
<tr>
<td>EPS 402</td>
<td>Asian American Education</td>
<td>3</td>
</tr>
<tr>
<td>EPS 405</td>
<td>Historical and Social Barriers</td>
<td></td>
</tr>
<tr>
<td>HRD 414</td>
<td>Facilitation Skills</td>
<td></td>
</tr>
<tr>
<td>HRD 415</td>
<td>Diversity in the Workplace</td>
<td></td>
</tr>
</tbody>
</table>

Concentration

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>
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<tr>
<th>Code</th>
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<th>Hours</th>
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<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>Capstone Research Project</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>EPSY 395</td>
<td>Independent Study (1 hour)</td>
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</tr>
<tr>
<td>EPSY 398</td>
<td>Thesis (2 hours)</td>
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</tr>
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Choose 2 from the Cognitive Science of Learning area: 6

- BCOG 458 Advances in Brain and Cognitive Science
- EPSY 427 Learning from Text
- EPSY 456 Human Performance and Cognition in Context
- EPSY 490 Developments in Educational Psychology (Learning in Everyday Contexts section)
- EPSY 490 Developments in Educational Psychology (Multimedia Comprehension section)

Choose 2 from the Learning in Social and Developmental Contexts area: 6

- CI 424 Child Development & Technology

Total Hours 24

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