LEARNING & EDUCATION STUDIES: DIGITAL ENVIRONMENTS FOR LEARNING, TEACHING & AGENCY, BS (DELTA)

for the degree of Bachelor of Science Major in Learning & Education Studies, Digital Environments for Learning, Teaching & Agency concentration

The **Learning & Education Studies, BS** with a concentration in Digital Environments for Learning, Teaching, and Agency (DELTA) will provide students with a strong background in the design, development and implementation of technology for a range of learning environments. Courses will introduce students to learning theory, designing and using technology to support learning, and issues encountered when deploying technology to schools, workplaces and informal learning spaces. The program culminates in a capstone course in which students work on a design project under the direction of one or more faculty members.

Graduating students will be prepared to engage with various stakeholders interested in using technology to support learning in a range of different contexts. Examples include selecting and deploying appropriate technology to support pedagogic goals for schools, corporations, or informal learning environments such as museums and afterschool clubs, designing educational games or toys and educational application development. One of the main objectives for students in DELTA is to build new ways to support learning, and prepare them for leadership roles in formal and informal environments, technology design and implementation strategies. They will also be prepared to pursue graduate study in a range of programs, such as educational technology, learning sciences, or instructional technology at the University of Illinois or elsewhere.

Students are encouraged to pursue a relevant minor or coherent set of electives from several related departments. Suggested minors include: computer science, communication, psychology, informatics, media and cinema studies or sociology. Students may also consider a minor in a specific content area from the arts and sciences to develop expertise in a particular field.

The DELTA concentration consists of 24 hours of coursework. Students are required to take a minimum of two foundations courses, three core courses and three elective courses. The core courses are designed to ensure students leave the program with foundational knowledge and skills necessary to design, develop, implement, manage, and evaluate digital environments. The elective courses allow students to tailor the concentration to fit individual career goals and areas of interest. Students should take the foundation course *Introduction to Digital Environments* in the first semester they join DELTA. Similarly, the *Capstone Research Project* should be taken in the last semester after the majority of DELTA-related coursework is complete.

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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

Code	Title	Hours
Orientation Seminar		
EDUC 101	Education Orientation Seminar	1

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.

Code	Title	Hours
Composition		
Composition I		4-6
Advanced Composition		3-4
Quantitative Reasoning		
An approved basic course in statistical methods such as STAT 100, SOC 280, or PSYC 235		3-4
From approved campus list		3
Natural Sciences and Technology		
From approved campus list		6
Humanities and the Arts		
From approved campus list		6
Social and Behavioral Sciencess		
From approved campus list (must include PSYC 100)		6
Cultural Studies		
From Western Culture(s) approved campus list		3
From U.S. Minority Culture(s) approved campus list		3
From Non-Western Culture(s) approved campus list		3
Language other than English		
Three years of one language other than English in high school or competion of the third semester of college-level language		0-12
Core Requirements		
Choose 2 from the following Education Foundations:		6-7
EDUC 201	Identity and Difference in Education	
or EPOL 201	Foundations of Education	
or EPOL 202	Foundations of Education-ACP	
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:		18-20
Learning and Instruction:		
CI 210	Introduction to Digital Learning Environments	
CI 415	Language Varieties, Cultures and Learning	
EPOL 350		
EPSY 201	Educational Psychology	
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 (May not be counted toward both the Core and Concentration requirements)
EPOL 310	Race and Cultural Diversity
EPOL 402	Asian American Education (May not be counted toward both the Core and Concentration requirements)
EPOL 403	Historical and Social Barriers
EPOL 473	Facilitation Skills
EPOL 474	Diversity in the Workplace

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.		24

Electives

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

Digital Environments for Learning, Teaching and Agency (DELTA) 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.

Code	Title	Hours
CI 210	Introduction to Digital Learning Environments	3
CI 489	Educational Technology Capstone Course	3
Choose 1 from the Learning and Cognition area:		3
BCOG 458	Advances in Brain and Cognitive Science	
EPSY 427	Learning from Text	
EPSY 490	Developments in Educational Psychology (Multimedia Comprehension section)	
EPSY 491	Educational Psychology Field Instruction	
Choose 2 from the Learning in Social and Developmental Contexts area:		6
CI 424	Child Development & Technology	
CI 446	Culture in the Classroom	
CI 482	Social Learning and Multimedia	
EPSY 407	Adult Learning and Development	
EPSY 490	Developments in Educational Psychology (Learning in Everyday Contexts section)	
SPED 312	Introduction to Educational Technology	
Choose 3 from the Learning and Technology Electives area:		9
CI 437	Educational Game Design	
CI 438	Computer Programming and the Classroom	
CI 482	Social Learning and Multimedia	
CI 499	Issues and Development in Education (Attention, Learning and Technology section)	
CI 499	Issues and Development in Education (Designing Learning Spaces section)	
CI 499	Issues and Development in Education (Critiques of Educational Technology section)	
Total Hours		**24**

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Sample Sequence

This sample sequence is intended to be used only as a guide for degree completion. All students should work individually with their academic advisors to decide the actual course selection and sequence that works best for them based on their academic preparation and goals. Enrichment programming such as study abroad, minors, internships, and so on may impact the structure of this four-year plan. Course availability is not guaranteed during the semester indicated in the sample sequence.

Students must fulfill their Language Other Than English requirement by successfully completing a third level of a language other than English. For more information, see the corresponding section on the Degree and General Education Requirements page *(http://catalog.illinois.edu/general-information/degree-general-education-requirements/).*

First Year

First Semester	Hours	Second Semester	Hours
EDUC 101	1	Composition I or General Education course	4
CI 210	3	PSYC 100	4
Composition I or General Education course	4	General Education course	3
Language Other Than English (3rd level) or Elective course	4	Elective course	3
SOC 280, STAT 100, or PSYC 235 (SOC 280 recommended)	4		
	16		**14**

Second Year

First Semester	Hours	Second Semester	Hours
Education Foundations course	3	Leadership in a Diverse Global Economy course	3
Education Foundations course	3	Learning & Instruction course	3
General Education course	3	General Education course	3
General Education course	3	General Education course	3

First Semester	Hours	Second Semester	Hours
General Education course	3	General Education course	3
	15		**15**

Third Year

First Semester	Hours	Second Semester	Hours
Learning & Instruction course	3	Learning and Technology Electives course	3
Leadership in a Diverse Global Economy course	3	Learning and Cognition course	3
Learning & Instruction or Leadership in a Diverse Global Economy course	3	Learning & Instruction or Leadership in a Diverse Global Economy course	3
Elective course	3	Elective course	3
Elective course	3	Elective course	3
	15		**15**

Fourth Year

First Semester	Hours	Second Semester	Hours
Learning and Technology course	3	CI 489	3
Learning in Social and Developmental Contexts course	3	Learning and Technology Elective course	3
Elective course	3	Learning in Social and Developmental Contexts course	3
Elective course	3	Elective course	3
Elective course	3	Elective course	3
	15		**15**

Total Hours 120

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College of Education
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1310 S. Sixth Street
Champaign, IL 61820
College of Education website (https://education.illinois.edu/)
College of Education faculty (https://education.illinois.edu/faculty-finder/)

Office of Undergraduate Programs
110 Education Building
Student Academic Affairs email (saao@education.illinois.edu)
217-333-2800
Admissions & Academics website (https://education.illinois.edu/programs/undergrad/)
Student Academic Affairs website (https://education.illinois.edu/student-resources/undergraduate/undergraduate-advising-support/)