

LEARNING SCIENCES & TECHNOLOGIES, MSED

The M.S.Ed. in Learning Sciences and Technologies lays the foundation for graduates to pursue fulfilling and creative careers as educators, researchers, and developers of next-generation curricula, technology-enriched learning environments, and instructional programs. The Learning Sciences and Technologies M.S.Ed. is designed for students who wish to investigate at an advanced level the interdisciplinary connections between learning environments (both online and offline), design issues, and educational concerns. Students enjoy individualized courses of study in a small, community-oriented cohort of students. The curriculum gives students the knowledge, skills, and techniques needed to assess, design, and implement programs in learning settings that range from after-school opportunities to corporate professional development.

For more information: <https://www.gse.upenn.edu/tll/lst> (<https://www.gse.upenn.edu/tll/lst/>)

Curriculum

A minimum of 10.0 course units are required for the LST MEd¹

Code	Title	Course Units
Core Courses		
EDUC 6116	Master's Foundations of Teaching and Learning (Incoming full-time students must register for this course in the Fall semester.)	1
EDUC 6139	Design of Learning Environments	1
EDUC 6144	Learning Sciences: Past, Present, Future	1
EDUC 6168	Master's Seminar in Teaching, Learning, and Leadership	1
Methods Course		
EDUC 5466	Ethnographic Filmmaking	1
EDUC 5570	Qualitative Studies of Developmental Interventions	1
EDUC 6191	Core Methods in Educational Data Mining	1
EDUC 6130	Introduction to Mixed-Methods Research	1
EDUC 6299	Ethnography for Intercultural Communication	1
EDUC 6369	Seminar in Practitioner Inquiry	1
EDUC 6460	Qualitative Methods: Principles and Techniques	1
EDUC 6667	Introductory Statistics for Educational Research	1
EDUC 6683	Survey Methods & Design	1
EDUC 7201	Methods of Discourse Analysis	1
EDUC 7460	Qualitative Research: Concepts, Methods and Design	1
EDUC 7464	Advanced Qualitative and Case Study Research	1
EDUC 7468	Ethnographic Research Methods	1
EDUC 7665	Introduction to Causal Inference for Educational Research	1

EDUC 7667	Regression and Analysis of Variance	1
EDUC 7836	Quasi-Experimental Design	1
EDUC 7847	Social and Statistical Network Analysis	1
EDUC 8466	Craft of Ethnography	1
EDUC 8681	Classifications, Profiles, and Latent Growth Mixture Models	1
EDUC 9320	Research Seminar in Reading and Writing	1
Concentration Courses		
Select 2 Concentration Courses, chosen from the list below: ²		2
EDUC 5007	Teaching & Learning in Student Centered Classrooms	1
EDUC 5152	Video Games and Virtual Worlds as Sites for Learning	1
EDUC 6108	MaKer Studio	1
EDUC 6111	Educational Assessment of and for Learning	1
EDUC 6123	Big Data, Education, and Society	1
EDUC 6150	Technologies for Language Learning and Teaching	1
EDUC 6191	Core Methods in Educational Data Mining	1
Elective Courses ³		
Select 3 elective courses, including one distribution course:		2
Distribution course ⁴		1
Other Requirements		
Master's Capstone Project, supported by EDUC 6168		1
Total Course Units		10

¹ The MEd degree requires a minimum of 10 CUs. All courses counted towards the degree must be at the 5000 level or above. No transfer credits are accepted. Other program requirements include successful completion of the Master's Capstone.

All students must take at least 3 CUs to be considered full-time. Part-time students enroll in 1 to 2 CUs per semester.

² If students wish to take a different course from those listed as a Concentration Course, they must petition and receive approval from their advisor and the TLL Chair prior to enrolling in the course.

³ The elective course should contribute substantively to a student's area of specialization.

Full-time students who want to graduate in August generally plan taking 1 or maximum of 2 electives in the summer.

⁴ Candidates for the M.S.Ed. degree must demonstrate knowledge of the field of education beyond the area of specialization. This requirement is met by satisfying the distribution requirement. To meet the distribution requirement, students must complete one approved graduate level (5000 and above) GSE course outside the student's area of specialization, earning a grade of "B" or better. Students should check with their program manager for a list of courses approved to fulfill the distribution requirement. Further requirements regarding these courses may be specified by each division.

The degree and major requirements displayed are intended as a guide for students entering in the Fall of 2023 and later. Students should consult with their academic program regarding final certifications and requirements for graduation.

