# 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 MSeD

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Course Units</th>
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</thead>
<tbody>
<tr>
<td>EDUC 6116</td>
<td>Master's Foundations of Teaching and Learning (Incoming full-time students must register for this course in the Fall semester)</td>
<td>1</td>
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<tr>
<td>EDUC 6139</td>
<td>Design of Learning Environments</td>
<td>1</td>
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<tr>
<td>EDUC 6144</td>
<td>Learning Sciences: Past, Present, Future</td>
<td>1</td>
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<tr>
<td>EDUC 6667</td>
<td>Introductory Statistics for Educational Research or EDUC 6460</td>
<td>1</td>
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<tr>
<td>EDUC 6168</td>
<td>Master's Seminar in Teaching, Learning, and Leadership</td>
<td>1</td>
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### Concentration Courses

Select 2 Concentration Courses, chosen from the list below: 2

- EDUC 6108 MaKer Studio
- EDUC 5100 Experimental Course (Teaching, Learning, and Leadership)
- EDUC 5152 Video Games and Virtual Worlds as Sites for Learning
- EDUC 6111 Educational Assessment of and for Learning
- EDUC 6123 Big Data, Education, and Society
- EDUC 6191 Core Methods in Educational Data Mining

### Elective Courses

Select 3 elective courses, such as those below, and including one distribution course:

- EDUC 6186 In/formal Learning Experience Internship 3
- EDUC 9999 Independent Study Research Internship Experience
- Elective course 4
- Distribution course 5

### Other Requirements

Master’s Capstone Project, supported by EDUC 6168

| Total Course Units | 10 |

The MSEd 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 internship program OR the research internship experience (taken as EDUC 9999 Independent Study), and the Master's Paper.

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

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.

Students may choose to complete an optional internship (requires registration in EDUC 6186) OR they may request to participate in an optional research internship experience (requires registration in EDUC 9999 Independent Study).

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.

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 2022 and later. Students should consult with their academic program regarding final certifications and requirements for graduation.