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

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>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 616</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>
</tr>
<tr>
<td>EDUC 639</td>
<td>Design of Learning Environments</td>
<td>1</td>
</tr>
<tr>
<td>EDUC 644</td>
<td>Learning Sciences: Past, Present, Future</td>
<td>1</td>
</tr>
<tr>
<td>EDUC 667</td>
<td>Introductory Statistics for Educational Research</td>
<td>1</td>
</tr>
<tr>
<td>or EDUC 682</td>
<td>Qualitative Modes of Inquiry</td>
<td></td>
</tr>
<tr>
<td>EDUC 668</td>
<td>Master's Paper Seminar</td>
<td>1</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Course Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 508</td>
<td>Maker Studio</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 545</td>
<td>(Intelligent Tutoring Systems)</td>
<td></td>
</tr>
<tr>
<td>EDUC 552</td>
<td>Video Games and Virtual Worlds as Sites for Learning</td>
<td></td>
</tr>
<tr>
<td>EDUC 611</td>
<td>Educational Assessment of and for Learning</td>
<td></td>
</tr>
<tr>
<td>EDUC 623</td>
<td>Big Data, Education, and Society</td>
<td></td>
</tr>
<tr>
<td>EDUC 691</td>
<td>Core Methods in Educational Data Mining</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Course Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 696</td>
<td>In/formal Learning Experience Internship</td>
<td>1</td>
</tr>
<tr>
<td>or EDUC 999</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elective course</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Distribution course</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

Other Requirements

The MSEd degree requires a minimum of 10 CUs. All courses counted towards the degree must be at the 500 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 EDUC999 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 EDUC696) OR they may request to participate in an optional research internship experience (requires registration in EDUC999 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 (500 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.

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The degree and major requirements displayed are intended as a guide for students entering in the Fall of 2021 and later. Students should consult with their academic program regarding final certifications and requirements for graduation.

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