## Learning Design & Technology (MS)

### Master of Science Degree Requirements

#### Core Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECI 511</td>
<td>Introduction to Learning Design and Technology</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>ECI 515</td>
<td>Cultural Investigations and Technical Representations in Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECI 516</td>
<td>Design and Evaluation Of Instructional Materials</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECI 517</td>
<td>Theoretical Foundations of Advanced Learning Environments</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Elective Courses

Select a minimum 12 credit hours of the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECI 502</td>
<td>Technology Program Evaluation</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>ECI 512</td>
<td>Emerging Technologies for Teaching and Learning</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECI 513</td>
<td>Teaching and Learning with Digital Video</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECI 514</td>
<td>Developing and Delivering Online Instruction</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECI 518</td>
<td>Digital Learning Program and Staff Development</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECI 519</td>
<td>Special Problems in Learning Design and Technology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECI 721</td>
<td>Technology and Informal Learning Environments</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECI 722</td>
<td>Theory and Research in Distance Education</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Research Methods / Thesis Courses

Select a minimum 12 credit hours of the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECI 510</td>
<td>Research Applications In Curriculum and Instruction</td>
</tr>
<tr>
<td>ECI 586</td>
<td>Introduction to Learning Analytics</td>
</tr>
<tr>
<td>ECI 587</td>
<td>Machine Learning in Education</td>
</tr>
<tr>
<td>ECI 588</td>
<td>Text Mining in Education</td>
</tr>
<tr>
<td>ECI 589</td>
<td>Analyzing Learning Networks</td>
</tr>
<tr>
<td>ECI 695</td>
<td>Master’s Thesis Research</td>
</tr>
<tr>
<td>ST 511</td>
<td>Statistical Methods For Researchers I</td>
</tr>
</tbody>
</table>

**Total Hours**: 36

### Accelerated Bachelor's/Master's Degree Requirements

The Accelerated Bachelor’s/Master’s (ABM) degree program allows exceptional undergraduate students at NC State an opportunity to complete the requirements for both the Bachelor’s and Master’s degrees at an accelerated pace. These undergraduate students may double count up to 12 credits and obtain a non-thesis Master’s degree in the same field within 12 months of completing the Bachelor’s degree, or obtain a thesis-based Master’s degree in the same field within 18 months of completing the Bachelor’s degree.

This degree program also provides an opportunity for the Directors of Graduate Programs (DGPs) at NC State to recruit rising juniors in their major to their graduate programs. However, permission to pursue an ABM degree program does not guarantee admission to the Graduate School. Admission is contingent on meeting eligibility requirements at the time of entering the graduate program.

### Full Professors

Kevin M. Oliver

### Associate Professors

Deniz Eseryel

### Assistant Professors

Shiyan Jiang
Practice/Research/Teaching Professors

Shaun B. Kellogg
Julia O'Neal McKeown
Heather Purichia
Mark Justin Samberg