

Springfield Technical Community College  
Academic Affairs

Course Number: ECE 145 Class/Lect. Hours: 3 Lab Hours: / Credits: 3 Dept.: Early Childhood Education

**OBJECTIVES/COMPETENCIES**

<b>Course Objectives</b>	<b>Competencies</b>
<ol style="list-style-type: none"> <li>1. Identify historically significant events related to technology and their relevance in relation to educational settings.</li>   <li>2. Utilize computer-based technology to enhance teaching and learning.</li>   <li>3. Consider ethical and security issues related to use of computers and the Internet.</li>   <li>4. Explore current software available for teachers, including software that is discipline-specific, and learn how to use this software to enhance teaching and learning.</li> </ol>	<ol style="list-style-type: none"> <li>a. Compare and contrast state and national technology standards.</li> <li>b. Research changing trends as they relate to online learning.</li> <li>c. Evaluate the effectiveness of computer-based technologies through various theoretical frameworks.</li>   <li>a. Research post-2020 learning opportunities for students PK-12.</li> <li>b. Create practical, technology-enhanced learning experiences for everyday classroom use.</li> <li>c. Observe and evaluate virtual classroom teaching.</li>   <li>a. Research and evaluate standard safety protocol for online learning.</li> <li>b. Develop an understanding of ethical concerns that impact technology-enhanced learning endeavors.               <ol style="list-style-type: none"> <li>a. Research specific computer programs that are utilized in classrooms PK-12.</li> <li>b. Compare and contrast technology-based home/school communication tools.</li> </ol> </li> </ol>

<b>Course Objectives</b>	<b>Competencies</b>
	<p>c. Develop an online learning module for K-12 classrooms that incorporates quality content with technology.</p>