

**Matrix of Technology Related Knowledge, Skills and Understandings  
Single Subject Credential Program 2010**

The matrix below shows where the knowledge, skills and understandings are primarily learned (L) and or demonstrated (D).

<b>Competency. Each candidate...</b>	<b>Pre</b>	<b>CI 101</b>	<b>CI 161</b>	<b>CI 159</b>	<b>CI 151</b>	<b>CI 152</b>	<b>SPED 121</b>	<b>LEE 154</b>	<b>EHD 155A</b>	<b>EHD 155B</b>
Demonstrates competency in the operation of hardware and software and ability to do basic troubleshooting	L								D	D
Uses appropriate technology in teaching by evaluating and selecting appropriate technologies		L		L					D	D
Demonstrates understanding of legal and ethical issues related to the use of technology		L/D			L/D					
Demonstrates competence in the use of electronic research tools and the ability to assess data		L/D	L		L/D					
Analyzes best practices and research on the use of technology										
Analyzes best practices and research on instructional use of technology		L/D		L/D						
Integrates technology in teaching		L		L					D	D
Provides equitable access to available resources					L				D	D
Encourages students to use technology		L		L					D	D
Uses computer data to assess student learning, inform instruction, manage records, and provide feedback		L		L					D	D
Uses a variety of technologies to collaborate and communicate.		L	L	L					D	D