Upon completion of the general preparation component of their program, prospective teachers:

- Demonstrate proficiency in the use of common input and output devices; solve routine hardware and software problems; and make informed choices about technology systems, resources, and services.

- Demonstrate a sound understanding of the nature and operation of technology systems.

- Use technology tools and information resources to increase productivity, promote creativity, and facilitate academic learning.

- Use content-specific tools (e.g., software, simulation, environmental robes, graphing calculators, exploratory environments, Web tools) to support learning and research.

- Use technology resources to facilitate higher order and complex thinking skills, including problem solving, critical thinking, informed decision making, knowledge construction, and creativity.

- Collaborate in constructing technology-enhanced models, preparing publications, and producing other creative works using productivity tools.

- Use technology to locate, evaluate, and collect information from a variety of sources. Use technology tools to process data and report results.

- Use technology in the development of strategies for solving problems in the real world. Observe and experience the use of technology in their major field of study.

- Use technology tools and resources for managing and communicating information (e.g., finances, schedules, addresses, purchases, correspondence).

- Evaluate and select new information resources and technological innovations based on their appropriateness to specific tasks.

- Use a variety of media and formats, including telecommunications, to collaborate, publish, and interact with peers, experts, and other audiences.

- Demonstrate an understanding of the legal, ethical, cultural, and societal issues related to technology.

- Exhibit positive attitudes toward technology uses that support lifelong learning, collaboration, personal pursuits, and productivity.

- Discuss diversity issues related to electronic media.

- Discuss the health and safety issues related to technology use.