Course Description
Provides K-12 classroom teachers with the knowledge and skills needed to fulfill the Commonwealth of Virginia’s Technology Standards for Instructional Personnel. Certification is dependent on the supervisor’s or employer’s approval. Lecture 3 hours per week.

General Course Purpose
The purpose of this course is to enhance instruction and prepare teachers to create engaging learning environments using technology and media. Activities are designed to fulfill the Commonwealth of Virginia’s Technology Standards for Instructional Personnel and the National Educational Technology Standards for Teachers.

Course Prerequisites/Co-requisites
Pre-requisite of ITE 115 or instruction approval. Students must have basic knowledge about the operation of a computer, file management, and software installation. Students must be comfortable using the Internet in an effective and efficient manner, including installation and management of browser plug-ins. Additionally, students must be proficient in launching applications; managing program windows; finding, copying, moving, saving, deleting and uploading files; and using the Microsoft Office applications including MS Word, MS PowerPoint, and MS Excel.

Course Objectives
Upon successful completion of this course, students will be able to
- Demonstrate proficiency in the Commonwealth of Virginia’s Technology Standards for Instructional Personnel and the National Education Technology Standards and Performance Indicators for Teachers (NETS-T).
- Use the ASSURE model to systematically plan for the effective use of technology and media in the teaching and learning environment.
- Explain why instructors should be aware of copyright laws, Fair Use guidelines, and the TEACH Act when incorporating multimedia resources in the teaching and learning environment.

In this course, the following VCCS General Education Outcomes are supported:
1.2 Assimilate, organize, develop, and present an idea formally and informally.
2.2 Recognize parallels, assumptions, or presuppositions in any given source of information.
4.4 Use information effectively, individually or as a member of a group, to accomplish a specific purpose.
4.5 Understand many of the economic, legal, and social issues surrounding the use of information and access and use information ethically and legally.

Major Course Content Topics
- 21st Century Learners and 21st Century Learning Environments
- Commonwealth of Virginia’s Technology Standards for Instructional Personnel
- National Educational Technology Standards for Teachers (NETS-T) and Students (NETS-S)
- Emerging Technologies in Education
- Selecting Technology and Media to Enhance Learning
- Copyright Laws, Fair Use guidelines, and the TEACH Act
• Distance Learning
• Safety & Security Issues, Ethics and Safeguards