

**NEVADA DEPARTMENT OF EDUCATION
COMPUTER ENDORSEMENTS**

	1. Ed Issues & Computers	2. Methods Tech Integration w/ Curriculum	3a. Comp Application or Instruct Productivity Tools	3b. Comp Application or Instruct Communic. Tools	3c. Comp Application or Instruct Research Tools	3d. Comp Application or Instruct Multimedia	3e. Comp Application or Instruct Other	Methods for Teaching Computer Programming
CIT 701 Computers in the Elementary Curriculum	X	X						
CIT 702 Computers in the Secondary Curriculum	X	X						
CIT 707 Current Technology as Mindtools for Ed	X	X						
CIT 709 Internet for Educators	X	X		X	X			
CIT 711 Desktop Publishing for Educators			X					
CIT 720 Integrating Technology in Teaching and Learning	X	X						
CIT 722 Microcomputer Technology for Educators							X	
CIT 743 Instructional Design of Educational Software		X				X		
CIT 747 Foundations on Online Learning	X	X		X	X			
CIT 749 Methods of Teaching Computer Applications	X	X						
CIT 751 Methods of Teaching Structured Programming						X		X
CIT 753 Development of Educational Software						X		
CIT 766 Management of Educational Computing Facilities and Resources	X							
CIT 767 Computer-based Technology and Educational Change	X							
CIT 768 Issues and Methods for Online Learning	X	X		X	X			
CIT 769 Advanced Web Design and Development for Educators				X				
CIT 770 Adv Seminar in Educational Technology Research	X							
CIT 772 Technology and Teacher Education	X							
CIT 778 Instructional Design	X							
CIT 782 Distance Education Issues and Trends	X							

CIT 701 Computers in the Elementary Curriculum (3 credits)

Survey of issues and methods for implementing computer applications in elementary schools.

CIT 702 Computers in the Secondary Curriculum (3 credits)

Survey of issues and methods for implementing computer applications in secondary schools.

CIT 707 Current Technology as Mindtools for Education (3 credits)

Examines current technologies as examples of mindtools, research-based devices used to help students think and learn. Explores mindtools as a cognitive model and uses technology as a mindtool while providing students with the requisite skills to implement these tools in a classroom setting.

CIT 709 Internet for Educators (3 credits)

Examines the potential of the Internet to impact K-adult education. Explores a wide range of on-line resources and how they can be integrated in the curriculum.

CIT 711 Desktop Publishing for Educators (3 credits)

Hands-on tutorials and design assignments for using page layout and graphics software to create well designed, effective publications for professional and instructional purposes. Topics include: design principles, layout techniques, graphics and type manipulation, graphics scanning, and desktop publishing projects for the classroom. Prerequisite: Course work in educational technology.

CIT 720 Integrating Technology in Teaching and Learning (3 credits)

Study of research-based practices and methods of integrating computer-based technology in teaching and learning.

Students actively explore educational courseware, student and teacher productivity tools, telecommunications, educational multimedia, and problem-solving software. Prerequisites: Three credits in educational technology or consent of instructor.

CIT 722 Microcomputer Technology for Educators (3 credits)

In-depth look at how personal computers work. Microprocessors, printed circuit boards, bus structures, storage devices, and display options examined from the perspective of how they impact educational applications, purchasing decisions, and planning. Prerequisite: Three credits in educational technology or consent of instructor.

CIT 743 Instructional Design of Educational Software (3 credits)

Examines instructional design principles and applies them to the design of instructional software. Explores various theories of learning as they apply to courseware. Prerequisites: CIT 720.

CIT 747 Foundations of Online Learning (3 credits)

Examines current issues, policies, and trends pertaining to web-based teaching and learning. Students actively explore and evaluate a wide variety of online resources leading to the design and creation of a web-based curriculum unit. Prerequisite: CIT 720 or consent of instructor.

CIT 749 Methods of Teaching Computer Applications (3 credits)

Study of research-based practices and methods of teaching application programs (word processors, data base managers, spreadsheets, graphics programs, and telecommunications software). Emphasis on methods of teaching communications, information management, and information retrieval using application programs. Prerequisite: Three credit hours of course work in educational technology; or consent of instructor.

CIT 751 Methods of Teaching Structured Programming (3 credits)

Study of research-based practices and methods in the teaching of structured programming emphasizing problem solving strategies. Prerequisite: Consent of instructor.

CIT 753 Development of Educational Software (3 credits)

Focuses on current programming languages used in creating educational multimedia. Emphasis on Internet-based applications. Prerequisite: CIT 743.

CIT 766 Management of Educational Computing Facilities and Resources (3 credits)

Advanced course focusing on problems and issues in procurement and management of educational computing applications, desktop workstations, computer laboratories, local and wide area networks, and support services. Consideration given to hardware and software interoperability; security for hardware, software and information; legal issues; health and safety factors; budgeting. Prerequisite: CIT 722.

CIT 767 Computer-based Technology and Educational Change (3 credits)

Examines issues and trends pertaining to the implementation of computer-based innovations in schools. Includes a review of research on past and current change efforts. Topics covered include staff development, research-based strategies for technology coordinators, and long-range planning for effective change. Prerequisite: CIT 720 or consent of instructor.

CIT 768 Issues and Methods for Online Learning (3 credits)

Addresses the theory and practice for online teaching and learning. Participants explore a range of resources and extend skills in creating web-based curriculum materials. Emphasis is on issues and trends in virtual schooling and emerging best practice for effective online learning.

Prerequisite: CIT 747.

CIT 769 Advanced Web Design and Development for Educators (3 credits)

Advanced educational web site development with emphasis on web-based programming and user interface design. Development environments such as JavaScript, Perl/ CGI, and brief introduction to Java explored. Prerequisite: CIT 747 and CIT 763.

CIT 770 Advanced Seminar in Educational Technology Research (3 credits)

Advanced research-based seminar in educational technology. Emphasis on critical review and analysis of the use of technology in teaching and learning. Prerequisite: Doctoral status or consent of instructor.

CIT 772 Technology and Teacher Education (3 credits)

Examines issues and research on preparing teachers to enhance learning with technology. Topics include ISTE's National Educational Technology Standards for students and teachers, technology integration in methods courses and field experiences, use of electronic portfolios, and online learning in teacher preparation and professional development. Prerequisite: CIT 720 and doctoral status.

CIT 778 Instructional Design (3 credits)

Trends, issues, and research findings on effective instructional planning, presentation, and evaluation. Prerequisite: Doctoral status or consent of instructor.

CIT 782 Distance Education Issues and Trends (3 credits)

Study of issues, and trends in Distance Education. Examines distance education history, research, practice, and program/ course development.

Prerequisite: Doctoral status or consent of instructor.