Required Technology Courses
Initial and Advanced Programs

Initial Teacher Preparation Program Technology Courses

Intellectual Foundation Requirement Options:

- CIS 105 Information Technology and Society
- ENS 100 Urban Environment Science
- GES 111 General Oceanography
- GES 223 Environmental Earth Science
- HIS 332 Technology and U.S. History

Cited technology course requirements in programs:

Program	Course	Required/Elective
Art Education	● AED 398 Computer Applications for Art Educators	Required Course
Business and Marketing Education	● BME 301 Marketing and Technology Education	Required Course
Career and Technical Education	● CTE 301 Marketing and Technology Education	Required Course
Chemistry Education	● MAT 163 Using Technology to Explore Calculus I ● MAT 164 Using Technology to Explore Calculus II ● MAT 264 Using Technology to Explore Calculus III	Mathematics courses - select 3 from 6 courses
Childhood Education	● EDU 375 Computer Applications in Education	Required Course
Childhood Education (MIITC)	● EDU 672 The Microcomputer in the Instructional Program	Required Course
Early Childhood Education	● EDU 375 Computer Applications in Education	Required Course
English Education	● EDU 375 Integration of Technology in Education	Required Course
Exceptional Education	● EXE 375 Integration of Technology in Education	Required Course
Mathematics Education	● MAT 163 Using Technology to Explore Calculus I ● MAT 164 Using Technology to Explore Calculus II ● MAT 264 Using Technology to Explore Calculus III ● MAT 366 Computer Mathematics II ● MED 307 Uses of Technical Aids in	Required Courses

	the Teaching of Mathematics	
Music Education	● MUS 220 Technology Applications	Required Course
Physics Education	● PHY 310 Computational Physics Laboratory ● MAT 163 Using Technology to Explore Calculus I ● MAT 164 Using Technology to Explore Calculus II ● MAT 264 Using Technology to Explore Calculus III	Required Courses
Social Studies Education	● SSE Computer Technology in the Social Studies Classroom	Required Course
Technology Education	● TEC 319 Technology and Values ● TED 100 Introduction to Technology Education ● TEC 360W Technology Education Methods and Evaluation	Required Courses

Advanced Teacher Preparation Program Technology Courses

Career and Technical Education	● CTE 604 Technical Project	Elective
Childhood and Early Childhood Curriculum and Instruction	● EDC 600 Multimedia for Educators ● EDC 604 Authoring for Educators ● EDC 606 Internet for Educators ● EDU 672 The Microcomputer in the Instructional Program	Curriculum and Instructional Development Courses - select 3 from 23 courses
Childhood Education	● EDU 672 The Microcomputer in the Instructional Program	Curriculum Course - Select 2 from 7 courses
Educational Computing	● EDC 601 Instructional Technologies ● EDC 604 Authoring for Educators ● EDC 672 The Microcomputer in the Instructional Program ● EDC 707 Computer Applications in Education Administration	Educational Computing Courses - all required
Educational Leadership	●EDL 707 Computer Applications in Education Administration	Elective
Mathematics Education	● MED 606 Logo: Computer Programming II for Education ● MED 607 Technology in Math Education	Mathematics Education Courses - select 2 or 3 from 7 courses
Physics Education	● SCI 664 Teaching Science with Media	Elective
Technology Education	● TED 600 Foundations of Technology Education	Required course