

# Instructional Technology (ITED)

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**ITED 7040. Thinking and Learning with Computers. 3 Hours.**

Exploration of computer applications as cognitive tools for engaging and enhancing thinking in learners. Examines the theoretical, pedagogical, and practical reasons for using computers as thinking tools.

**ITED 7050. Distance Education. 3 Hours.**

A study of historical background, theories, and emerging trends of distance education. The course examines the effective use of technologies and strategies to design, develop, deliver, and evaluate distance instruction.

**ITED 7070. Educational Data Use and Visualization. 3 Hours.**

A survey of techniques for data collection, analysis, and visualization in educational settings to guide professional decision-making and data presentation.

**ITED 7080. Technology and Learning Standards. 3 Hours.**

Integration of technology into learning environments with an emphasis on matching technology with instructional approaches, content, student needs, and assessment to meet Georgia Performance Standards.

**ITED 7090. Professional Development for Instructional Technology Professionals. 3 Hours.**

An exploration of microlearning and credential opportunities for instructional technology professionals through self-directed learning, reflection and application.

**ITED 7100. Foundations in Instructional Design and Technology. 3 Hours.**

An introduction to instructional design and technology through exploring the self; theories of learning, instruction and technology integration; as well as the context surrounding professional practice.

**ITED 7110. Foundations and Learning Theories. 3 Hours.**

The historical foundations and evolutionary development of the field of Instructional Technology. It investigated philosophical, neurological, and practitioner aspects of prominent learning theories underlying teaching and learning.

**ITED 7200. Digital Literacy and Citizenship. 3 Hours.**

The integration and evaluation of tools and resources to support digital learning environments. Topics include examining digital resources, using safe and ethical practices, and participating in a digital world.

**ITED 7201. Information Resources and Services. 3 Hours.**

The development and application of knowledge and skills to provide information resources and services in P-12 school media centers. The course includes strategies for integrating information access skills and open educational resources into the curriculum, delivering traditional and electronic services, collaborating with the learning community, and developing professional learning networks.

**ITED 7202. Collection Development and Maintenance. 3 Hours.**

An introduction to basic cataloging and classification tools and processes as applied to integrated electronic systems. This course includes bibliographic networks, resource sharing, collection development, and database maintenance and evaluation.

**ITED 7203. Administering School Media Centers. 3 Hours.**

Study of school library media professionalism and the organization, functions, facilities, and management of P-12 school media centers. This course includes planning, coordinating, supervising, budgeting, and evaluating media center personnel, services and programs.

**ITED 7204. Literature for the P-12 School Librarian. 3 Hours.**

A study of children's and young adult literature in the context of the school library media center. This course includes promotion and encouragement of reading to actively engage learners in the critical-thinking and inquiry process; addresses curriculum integration and collaboration; promotes diversity through reading engagement; and supports classroom reading instruction and awareness of current trends in literature for children and youth.

**ITED 7210. Instructional Design Models and Practices. 3 Hours.**

An examination of prominent instructional models to enable instructional designers to select the most appropriate model for their audience and instructional content. Special attention is paid to the ADDIE/ISD model and its use in diverse settings.

**ITED 7299. Internship in School Media Centers. 3 Hours.**

Prerequisite: Approval of advisor. Supervised field experiences in administering P-12 school media centers.

**ITED 7300. Instructional Design and Technology Integration. 3 Hours.**

The design and implementation of technology-infused learning activities and assessment in a professional context.

**ITED 7302. Needs Assessment. 3 Hours.**

Application of research and evaluation skills to a field-based needs assessment; investigation of non-instructional solutions with attention to performance improvement. The course includes the use of job task analysis, consideration of organization cultures, and application of team building skills.

**ITED 7310. Instructional Strategies. 3 Hours.**

Selecting, implementing, and evaluating instructional strategies for training room environments based upon the learning goals, nature of the content, abilities of the learners, and affordances of the teaching environment.

**ITED 7399. Internship in Technology Applications. 3 Hours.**

Prerequisite: Approval of advisor. A faculty-supervised field experience in an instructional technology setting.

**ITED 7400. Creation and Management of Digital Learning Environments. 3 Hours.**

The creation and management of digital learning environments, including purchasing and management of software, hardware, and networking infrastructure; evaluation and selection of digital tools; and creation of learning spaces.

**ITED 7410. Adapting Traditional Instruction to Online Environments. 3 Hours.**

Adapting face-to-face instructional content to online delivery platforms (Web and mobile). The course uses industry-standard software for creating, integrating, and publishing the adapted content for the online environment, preparing students to take industry-recognized certification exams.

**ITED 7500. Vision and Planning for Instructional Technology. 3 Hours.**

An introduction to the core competencies of a technology leader in an educational organization Such as performing a needs assessment or a program evaluation, designing and implementing a technology project or a professional development.

**ITED 7510. Digital Learning Environments. 3 Hours.**

An examination of the computer hardware and software needed for building, hosting, delivering, and participating in online learning. Topics covered include how computer hardware and software work; how to evaluate and select equipment for acquisition; and network infrastructure and security.

**ITED 7600. Introduction to Discipline-Based Best Practices Literature. 3 Hours.**

Introduction to analyzing discipline-specific literature and applying the conventions of academic writing using the Publication Manual of the American Psychological Association.

**ITED 7610. Instructional Graphics. 3 Hours.**

A study of techniques for creating, editing, and producing professional quality graphics for both face-to-face and online instructional settings. Students will use industry-leading software to prepare them to take the industry-recognized certification exam in image editing and graphic design.

**ITED 7710. Instructional Video and Audio. 3 Hours.**

A study of techniques for creating professional quality videos for both face-to-face and online instructional settings. Students will use industry-leading software to prepare them to take the industry-recognized certification exam in video editing and production.

**ITED 7810. Project Training Management. 3 Hours.**

An examination of factors and processes affecting project management, preparing students for the Certified Associate in Project Management (CAPM) exam.

**ITED 7900. Special Topics in Instructional Technology. 1-3 Hours.**

In depth study of specific issues in instructional technology. Course may be repeated under different topics.

**ITED 7910. Program Evaluation. 3 Hours.**

Approaches to conducting evaluations of educational/training programs. The course addresses political, ethical, and practical issues as well as the necessary steps and strategies for a planning program evaluation.

**ITED 8100. Theories, Models, and Perspectives of Instructional Design and Technology. 3 Hours.**

Modeling and facilitation of theoretical perspectives concerning digital citizenship, change, communication, diversity, learning, and instruction for the legal and ethical integration of instructional technology in learning environments.

**ITED 8200. Instructional Design for Training and Education. 3 Hours.**

Applications of systematic design principles to address an identified need in a training or learning context. The course addresses learner characteristics, assessment (diagnostic, formative, summative), message design, and instructional strategies to support and enhance higher order thinking skills.

**ITED 8299. Internship School Media Center. 3 Hours.**

Field experience in administering P-12 school media centers supervised through distance technology.

**ITED 8300. Technology Tools for Training and Education. 3 Hours.**

The application of technologies via professional learning networks. The course includes in-depth learning and application of candidate's choice of computer-related technology tools to design and create effective instructional materials and assist other educators in similar tasks that use technology to improve teaching, learning, and assessment.

**ITED 8400. Technology for Learning Environments: Evaluation, Selection, and Management. 3 Hours.**

Evaluation, selection, and manage educational technology for learning environments, including purchasing and procurement of technology; suitability of technology; and management of technology infrastructure for learning environments.

**ITED 8500. Leadership in Instructional Technology. 3 Hours.**

The student and implementation of techniques for effective organizational change. This includes working with leading individuals and groups to develop a shared vision for the use of technology in learning environments; advocate for equitable access in digital content and learning opportunities that meet diverse needs; and demonstrate leadership in professional environments that enhance technology.

**ITED 8600. Professional Development and Program Evaluation. 3 Hours.**

The study and implementation of needs assessment and program evaluation to inform the content and delivery of technology-based professional learning programs.

**ITED 8700. Designing Creative Learning for Students and Adults. 3 Hours.**

Prerequisite: ITED 8200. The application of Constructivist learning theories to produce technology-supported learning environments that promote creative learning in P12 and adult learners. Students will collaborate with peers and their own learners to enable learners to own instructional content in which they discover, investigate, and address authentic learning problems.

**ITED 8900. Special Topics in Instructional Technology. 1-3 Hours.**

Special Topics in Secondary Education.

**ITED 8960. Supporting Best Practices with Innovative Technologies. 3 Hours.**

A study of the ways in which technology can support the advancement of teaching and learning through collaboration, research, and professional learning.

**ITED 8970. Action Research Methods and Planning. 3 Hours.**

Application of the ethics and principles of action research. This course includes design of technology-enhanced learning experiences and planning for subsequent evaluation to improve instruction and learning.

**ITED 8999. Action Research Project. 3 Hours.**

Implementation of research-based interventions to improve instructional practice and maximize learning. The students will use digital tools and resources to collect systematically and analyze data, interpret results, and communicate findings.