Instructional Technology (ITED)

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.
Introduction to distance education technologies and their utilization as instructional delivery systems.

ITED 7070. Decision-Oriented Research, Evaluation, and Professional Learning. 3 Hours.
The study and implementation of needs assessment and program evaluation to inform the content and delivery of best practices in technology-based professional learning. This course includes an introduction to field research methods and data analysis.

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. Applications for Instructional Technology. 3 Hours.
Technology applications and integration training using tutorials.

ITED 7100. Foundational Theories in Instructional Technology. 3 Hours.
Introduction to theories of learning, instruction, communication, information, digital citizenship, and systems as applied to research and practice in the field of instructional technology.

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. Information Sources and Uses. 3 Hours.
Retrieval, evaluation, and integration of information and digital resources to support higher-order thinking skills in digital learning environments. Topics include legal issues, accessibility, and diversity in learner characteristics.

ITED 7201. Information Resources and Services. 3 Hours.
Development and application of knowledge and skills necessary to provide information resources and services in P-12 school media centers. The course includes strategies for integrating information access skills into the curriculum, selecting and evaluation resources in various formats, building media center collections, delivering traditional and electronic services.

ITED 7202. Bibliographic Organization. 3 Hours.
Introduction to basic cataloging and classification tools and processes as applied to integrated electronic systems. This course includes bibliographic networks, resource sharing, 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 for pleasure, information, and lifelong learning; addresses curriculum integration and collaboration; promotes diversity through collection development; 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 Technology for Teaching, Learning, and Assessment. 3 Hours.
Integration of technology into personal teaching practice, emphasizing collaboration with other educators to improve teaching, learning, and assessment.

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. Digital Learning Environments. 3 Hours.
Creation, support, and effective management of digital learning environments. Includes troubleshooting basic software and hardware problems and evaluation and selection of digital tools and resources for compatibility with school technology infrastructure.

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.
Introduction to leadership principles in an instructional technology context. The course includes theory and practice in strategic planning, the change process, and funding strategies.

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 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.
Application of various technologies and products for instructional development. The course includes in-depth use 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, Management, and Collaboration. 3 Hours.
Research, review, and application of commercial, and educational technology. This course includes facilitation of assistive/adaptive technology, troubleshooting of software and hardware, resource accuracy, and suitability of technology tools for learning environments.

ITED 8500. Leadership in Instructional Technology. 3 Hours.
The study and implementation of theories and techniques for working with individuals and groups to develop a shared vision for the use of technology in learning environments, to design and communicate a strategic plan, and to demonstrate leadership in securing resources needed to implement the plan.

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 8900. Special Topics in Instructional Technology. 1-3 Hours.
Special Topics in Secondary Education.

ITED 8960. Discipline-based Best Practices Literature. 3 Hours.
Analysis of discipline-specific literature and synthesis of research through application of the conventions of academic writing using the Publication Manual of the American Psychological Association.

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.