

Instructional Technology (COE)

ITEC 3130

Instructional Technology for Early Childhood Education: 3-0-3

This course is an introduction to the effective uses of instructional technology for Early Childhood Education majors. A systematic approach to selecting, producing, and utilizing various instructional technologies will be covered with an emphasis on the instructional uses of the computer. The course will correlate with the Early Childhood Education pre-service experience.

ITEC 3230

Instructional Technology for Special Education: 3-0-3

This course is an introduction to the effective uses of instructional technology for Special Education majors. A systematic approach to selecting, producing, and utilizing various instructional technologies will be covered with an emphasis on the instructional uses of the computer. The course will correlate with the Special Education pre-service experience.

ITEC 3430

Instructional Technology for P-12 Teaching Fields: 3-0-3

This course is designed for students enrolled in one of the P-12 teaching fields. It is an introduction to the effective uses of technology in an instructional setting. A systematic approach to selecting, producing, and utilizing various instructional technologies will be covered with an emphasis on the instructional uses of the computer. The course will correlate with the pre-service experience for students enrolled in one of the P-12 teaching fields.

ITEC 3530

Instructional Technology for Middle Grades Education: 3-0-3

This course is an introduction to the effective uses of instructional technology for Middle Grades Education majors. A systematic approach to selecting, producing, and utilizing various instructional technologies will be covered with an emphasis on the instructional uses of the computer. The course will correlate with the Middle Grades Education pre-service experience.

ITEC 7090

Selected Topics in Instructional Technology: (1-3)-0-(1-3)

Promotes specialized training in new and/or emerging instructional technologies/methodologies or topics appropriate to the needs of in-service personnel. Attention will be given to a range of specific needs as they reach special significance in local school systems. Prerequisite: Permission of instructor.

ITEC 7132

Administration of the School Library Media Program: 3-0-3

An introduction to the functions of the school library media center and the roles of the school library media specialist. Candidates will develop skills that will enable them to direct a school library media center, design a school library media center facility, manage personnel and budgets, develop policies and procedures, and evaluate the school library media program.

ITEC 7134

Collection Development and Organization: 3-0-3

An overview of the processes and procedures associated with developing, organizing, maintaining and evaluating the school library media collection. Emphasis is placed on intellectual freedom, evaluating existing collections, principles of selecting materials in all formats, applying standard methods of cataloging to organize the collection, and utilization of technology to access physical and virtual collections.

ITEC 7136

Reference and Information Sources: 3-0-3

Provides a working knowledge of standard reference resources in all formats. Emphasis is placed on the concept of information literacy and teacher-media specialist collaboration to integrate information literacy skills across the P-12 curriculum.

ITEC 7230

Selection and Development of Instructional Technologies: 3-0-3

Provides competence in the selection, production, utilization and evaluation of various formats of instructional technologies. Basic techniques are provided through direct laboratory experiences in the design and production of instructional technologies. Prerequisite: ITEC 7530 or permission of instructor.

ITEC 7335

Web Design and Development: 3-0-3

Focuses on the front-end aspects of web design: HTML authoring, graphics production, and media development. Prerequisite: ITEC 7530 or permission of instructor.

ITEC 7430

Instructional Design: 3-0-3

An introduction to systems theory as applied to the design of instruction. Examines principles of systems theory in the context of the design, development, selection and utilization of curriculum, instruction and instructional materials.

ITEC 7530

Instructional Technology Foundations: 3-0-3

An introduction to the use of the computer in the instructional process. The course focuses on the uses of the computer as a medium of instruction. Meets the Special Georgia Technology Requirement for Teacher Certification.

ITEC 7535

Advanced Hardware and Software: 3-0-3

Investigates hardware and software issues that arise in the development and delivery of instruction. Topics include hardware and software troubleshooting, security, networks, and distance education and communication systems. Prerequisite: ITEC 7530 or permission of instructor.

ITEC 7737

Practicum in School Library Media Centers: 3-0-3

A culminating activity in the Instructional Technology program. Students are assigned specific experiences that implement content from the school library media certification program. Prerequisites: Permission of advisor and completion of Transition Point #2.

ITEC 7738

Practicum in Instructional Technology: 0-(1-10)-3

Allows the student to utilize technology to support instruction, manage technology resources and evaluate the effectiveness of technology resources for learning. Prerequisite: Permission of advisor and completion of Transition Point #2.

ITEC 8130

Advanced Media Management and Supervision: 3-0-3

Management and supervisory techniques and their application to the instructional media program. Includes management by objectives, staff development and processes for change through the supervisory role of the media specialist. Prerequisite: ITEC 7132 or permission of instructor.

ITEC 8132

Administration of Technology Resources: 3-0-3

This course is intended to provide students with the knowledge and skills required to plan, design, evaluate, and manage technology resources in various instructional and institutional environments.

ITEC 8231

Transforming Learning with Technology: 3-0-3

Critical examination of the role of technology and instructional design in the teaching/learning process. Review of quantitative and qualitative research relevant to student's area of interest and the impact of technology on student learning. Examination of the use of electronic portfolios to demonstrate student learning. Prerequisites: ITEC 8530 or InTECH/Media Tech certification and ESED 8130.

ITEC 8435

Program Evaluation: 3-0-3

Program Evaluation covers the theory and practice of systematic investigation of instructional programs, projects, products, and processes. The course is designed to teach practitioners how to assess the effectiveness of endeavors such as quality improvement, enhancing organizational performance, or improving school curricula. Prerequisite: ITEC 7430 or permission of instructor.

ITEC 8530

Applications of Instructional Technology: 3-0-3

Focuses on the effective utilization of technology in the instructional process and on systematic processes for using new technologies to enhance learning. Meets the Special Georgia Technology Requirement for Teacher Certification. Prerequisites: ITEC 7530 and ITEC 7430.

ITEC 8532

Multimedia Tools and Applications: 3-0-3

Covers issues in the design and development of interactive multimedia instructional lessons. Covers the tools required for the creation of interactive multimedia and is organized around individual student projects. Prerequisite: ITEC 7530 or permission of instructor.

ITEC 8734

Applied Distance Education: 0-0-3

Designed as a culminating experience for the M.Ed in Instructional Technology for staff development and training. The student will design, develop, implement, and evaluate instruction for use over a selected distance learning technology. Prerequisites: Completion of 24 hours of course work and permission of advisor.

ITEC 8839

Field-Based Research in Instructional Technology: (1-3)-0-3

In this course the student will carry out a formal research study in Instructional Technology and prepare a written and oral report. Prerequisite: EDUR 8434.

ITEC 8890

Directed Individual Study: (1-3)-0-(1-3)

The student will propose and carry out an applied or theoretical project in instructional technology. Prerequisite: Permission of advisor.