



Advising Guide

Master of Arts in Education in Instructional Technology



COURSES	COURSE TITLE	TERM(S) OFFERED	TERM TAKEN
Seven Required EDTC Courses			
EDTC 6010	Introduction to Instructional Technology (3)	Fall, Spring, Summer	
EDTC 6020	Principles of Instructional Design (3)	Fall, Spring, Summer	
EDTC 6025	Analysis and Evaluation in Instructional Technology (3)	Fall, Spring, Summer	
EDTC 6035 OR EDTC 6037	Integrating Technology into the English/Language Arts, Social Studies, and Information Skills Curriculum (3)	Fall, Spring	
	Integrating Technology into the Math, Science, and Healthful Living Curriculum (3)	Fall, Spring	
EDTC 6139	Selection and Integration of Multimedia for PreK-12 Schools (3)	Spring, Summer	
EDTC 6149	Administration of School Technology Programs (3)	Fall, Spring	
EDTC 6992	Technology Specialists as Teacher Leaders in K-12 School Systems (3)	Fall, Spring	
Four Required MAEd Core Courses			
SCIE 6500 * OR EDUC 6480 OR EDUC 6482	Understanding and Engaging in Educational Research (3) * *recommended—advisor will override prerequisite	Fall, Spring	
	Introduction to Research (3)	Fall, Spring	
	Trends and Issues in Educational Research for Practitioners (3)	Spring	
EDUC 6001	Introduction to Differences in Human Learning in Schools (3)	Fall, Spring, Summer	
SPED 6002	Addressing Differences in Human Learning in Schools (3)	Fall, Spring, Summer	
ADED 6550 OR ELEM 6550	Leadership and Communication Skills in Education (3)	Fall, Spring	
	Leadership and Communication Skills in Education (3)	Fall, Spring, Summer	
One EDTC Electives			
EDTC Elective	Students may select most any 6000-level EDTC course to meet requirements for electives. Common MAEd electives: EDTC 6035 or 6037 (one not used for above requirement), 6060, 6070, and 7035. Common electives from MS in IT programs: EDTC 6030, 6240, 6300, 7030, 7035, and 7040. See a fuller list of courses at: http://www.ecu.edu/cs-educ/msite/IT/courses.cfm .		

Course Catalog Descriptions

Required EDTC Courses (Note: EDTC 6035 or 6037 is required, with both included here):

EDTC 6010. Introduction to Instructional Technology (3) Historical background, theories, instructional design and development, deliverers of instruction, current issues, and trends.

EDTC 6020. Principles of Instructional Design (3) Systematic process for design of instruction. Task analysis and task analysis diagrams, learner and context analysis, and development of instructional strategies.

EDTC 6025. Analysis and Evaluation in Instructional Technology (3) P: EDTC 6020. Introduces development of instructional analyses, strategies, and formative evaluation methods. Practical experiences in traditional and alternative instructional development and evaluation techniques.

EDTC 6035. Integrating Technology into the English/Language Arts, Social Studies, and Information Skills Curriculum (3) Open to other graduate education majors. In-depth study of NC K-12 computer skills curriculum. Emphasis on development of strategies, materials, and staff development to integrate technology into English/language arts, social studies, and information skills curricula.

EDTC 6037. Integrating Technology into the Math, Science, and Healthful Living Curriculums (3) Open to other graduate education majors. In-depth study of NC K-12 computer skills curriculum. Emphasis on developing strategies, materials, and staff development to integrate technology into math, science, and health curricula.

EDTC 6139. Selection and Integration of Multimedia for PreK-12 Schools (3) Methods and materials for selecting and using a variety of multimedia formats in PreK-12 classrooms.

EDTC 6149. Planning and Administration of School Technology Programs (3) Theory and principles of planning and administering school technology programs.

EDTC 6992. Technology Specialists as Teacher Leaders in K-12 School Systems (3) P: EDTC 6010, 6020; EDTC 6035 or 6037; EDTC 6139, 6149. Applies current research in the development of technology specialists as instructional leaders in K-12 schools.

Education Core Courses

Diversity – Take Both

EDUC 6001. Introduction to Differences in Human Learning in Schools (3) Examines race, ethnicity, socioeconomic class, gender, sexual preference, and exceptionality relative to historical, philosophical, social, cultural, political, and legal issues in schools.

SPED 6002. Addressing Differences in Human Learning in Schools (3) Strategies for assessment, curriculum, and instruction of diverse student populations. Extends and applies information from EDUC 6001.

Research – Choose One

EDUC 6480. Introduction to Research (3) Development and use of research, research methods, applied research, basic research, methods of reasoning, fallacies in reasoning, statistical methods, thesis writing, survey research, and evaluation of research.

EDUC 6482. Trends and Issues in Educational Research for Practitioners (3) Recent developments in educational research and implications for educational practitioners as research consumers. Emphasis on identification, analysis, application, and evaluation of developments in literature through field-based research.

SCIE 6500. Understanding and Engaging in Educational Research (3) Research on human development and learning and pedagogical knowledge and skills expected of master teacher. Current trends and issues in education, skills in data collection, and application of research in classroom. *recommended—advisor will override prerequisite

Leadership – Choose One

ADED 6550. Leadership and Communication Skills in Education (3) Same as **ELEM 6550** Teacher leadership, communication, and reflective practice in schools. Skill development enhances communication and collaboration with families, students, and educational professionals. Addresses organizational challenges and facilitates positive change.

ELEM 6550. Leadership and Communication Skills in Education (3) Same as **ADED 6550** Teacher leadership, communication, and reflective practice in schools. Skill development enhances communication and collaboration

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