



WATSON SCHOOL OF EDUCATION
UNIVERSITY OF NORTH CAROLINA WILMINGTON

MASTER OF SCIENCE IN INSTRUCTIONAL TECHNOLOGY

The M.S. in Instructional Technology addresses the North Carolina Masters/Advanced Competencies which include standards in Instructional Expertise, Knowledge of Learners, Research Expertise, Connecting Subject Matter and Learners, and Professional Development and Leadership. The graduate program incorporates the conceptual framework which is common to all teacher education programs at UNCW: The Watson School of Education develops highly competent professionals to serve in educational leadership roles.

Program Goals and Objectives

Upon completion of the graduate program in Instructional Technology, the student should be able to:

1. Design educational and training programs in school and organizational settings through the application of research and best practices in instructional technology.
2. Systematically apply instructional design principles through the use of various forms of instructional technology.
3. Conduct needs assessments and task analyses in the domains of instructional design and information technology.
4. Design, develop, implement and evaluate educational and training programs that utilize appropriate technologies.
5. Utilize innovative technologies such as computers, videodiscs, multimedia, distance education, and other advanced technologies to enhance instruction.
6. Plan, create, monitor, and facilitate instructional design projects.

For the complete description of the program domains, goals and competencies see the following website: <http://www.uncw.edu/ed/mit/>.

Note: MIT courses are offered both on campus and online, allowing professionals to earn their degrees and/or certificates by taking MIT on-campus courses, or MIT online courses, or a combination of both types.

Important Information

- A. The M.S. in Instructional Technology requires that students have a North Carolina “A” level licensure in at least one area of education prior to admission if they are seeking advanced licensure. Upon completion of the program, students are recommended for “M” level licensure as an Instructional Technology Specialist - Computers. Individuals in other fields that do not require teaching licensure (e.g., business or health-related fields, etc.) may be admitted to the program and complete the degree, but will not be recommended for advanced licensure upon completion.
- B. No Praxis Specialty Area tests are required for this program.
- C. Students earning the M.S. in Instructional Technology must (1) complete program core courses within the program, and (2) a culminating product in the form of a thesis or portfolio.
- D. Students completing the M.S. in Instructional Technology provide evidence that they have synthesized the learning from their graduate courses during a final comprehensive examination. This written examination is taken when the final courses for the program are completed or in progress.
- E. Students must meet with their advisors during the fall and spring semesters to plan program coursework and to receive their registration information. Prerequisites and corequisites for courses are listed in the *UNCW Graduate Catalogue*.
- F. Selected courses require additional field experiences as indicated on the *Program of Study*. During the fall and spring semesters, graduate courses are offered in the late afternoon and evening time periods. During the summer, graduate courses may be offered during Summer Session I or II.
- G. Individuals may take up to 10 semester hours as non-degree students provided they meet the admissions requirements. These hours may be applied toward the degree upon acceptance as a degree-seeking student. A maximum of six semester hours of graduate credit may be transferred from another accredited institution in partial fulfillment of the total hours required for the master’s degree.
- H. A graduate student has five calendar years to complete his or her degree program. The five-year period begins with the student’s first term of work after formal admission to a degree-granting program. Work completed as a non-degree student does not initiate the five-year period for completing a degree program. Students must be enrolled in the term in which they complete their graduate work or are scheduled to receive their degree.
- I. Applications for comprehensive examinations are available in the Associate Dean’s office. Applications for graduation are available online at www.uncw.edu/grad.
- J. Graduate assistantships are available in the Watson School of Education. The positions provide employment for 20 hours per week working as research assistants with faculty members or as assistants in the Ed Lab, Technology Lab, or Curriculum Materials Center. For additional information, contact the Graduate Coordinator (Associate Dean for Academic Programs) in the Watson School of Education at (910) 962-4142.

The University of North Carolina at Wilmington is committed to and will provide equality of educational and employment opportunity for all persons regardless of race, sex, age, color, gender, national origin, ethnicity, creed, religion, disability, sexual orientation, political affiliation, marital status, veteran status or relationship to other university constituents – except where sex, age, or ability represent bona fide educational or occupational qualifications or where marital status is a statutorily established eligibility criterion for state-funded employee benefit programs.

Watson School of Education
University of North Carolina Wilmington

MASTER OF SCIENCE IN INSTRUCTIONAL TECHNOLOGY

The program leading to the Master of Science (M.S.) in instructional technology provides advanced professional training for individuals holding, or qualified to hold, North Carolina Class "A" teacher licensure in at least one area of education. The 36-semester hour program is comprised of 15 semester hours of core courses, 15 hours of focus courses, three hours of colloquia and internship, and three-hour thesis or portfolio.

Based upon the view of the professional as a decision-maker, the program addresses the needs for conceptual and procedural bases for decision-making and specific alternatives within the student's anticipated area of professional practice. Accordingly, the program is comprised of a core of conceptual foundations and courses specific to instructional technologies. The program focuses upon development of knowledge and competencies in the domains of instructional design, instructional development, utilization, management, and evaluation.

Program of Study

I. Core Courses (15 Hours)

MIT 500	Instructional Systems Design: Theory and Research	(3)
MIT 510	Design and Development of Instructional Technology	(3)
MIT 511	Multimedia Design and Development	(3)
MIT 520	Managing Instructional Development	(3)
MIT 530	Evaluation and Change in the Instructional Development Process	(3)

II. Focus Courses (15 Hours)

Select five courses in consultation with the advisor.

MIT 501	Motivation in Instructional Design	(3)
MIT 502	The Systemic Approach to Performance Improvement	(3)
MIT 512	Computer Applications in Education	(3)
MIT 513	Computer-Based Instruction	(3)
MIT 514	Distance Education	(3)
MIT 515	Web Teaching: Design and Development	(3)
MIT 516	Instructional Video Design and Production	(3)
MIT 521	Diffusion and Implementation of Educational Innovations	(3)
MIT 522	Organization & Management of Instructional Technology Programs	(3)
MIT 531	Assessment of Learning Outcomes	(3)
MIT 595	Special Topics in Instructional Technology	(3)
MIT 503	The Fundamentals of Computer Programming	(3)
MIT 595	Educational Gaming and Simulation	(3)

Students may take up to six credit hours of focus courses from the courses listed below or from other academic disciplines if approved by the advisor:

EDN 500	Human Development and Learning
EDN 520	Instructional Development
EDN 523	Research in Education
EDN 568	Educational Program Design and Evaluation
EDN 582	Organizational Theory & Comprehensive Leadership
SED 557	Technology Applications in Special Education
EDN 582	Organizational Theory and Comprehensive Leadership

III. Internship/Colloquium (3 Hours)

MIT 540	Colloquium I	(1)
MIT 541	Colloquium II	(1)
MIT 542	Internship	(1)

IV. Thesis or Portfolio (3 Hours)

MIT 599	Thesis	(3) or
MIT 598	Portfolio Development	(3)

Note: A written comprehensive examination also is required.

IMPORTANT NOTE: Students who hold a teaching license and are seeking “M” level certification must complete the following focus area courses and work in an educational setting for their internship:

MIT 512	Computer Applications in Education	(3)
*SED 557	Technology Applications in Special Education	(3)
MIT 522	Organization and Management of Instructional Technology	(3)

*Students may select one course from the following courses (3 credit hours) in place of SED 557.

- MIT 513: Computer-based Instruction (3 credit-hours)
- MIT 514: Distance Education (3 credit-hours)
- MIT 515: Web Teaching: Design and Development (3 credit-hours)

Expected Course Offerings: Core courses and focus area courses that are required for “M” level licensure are offered on a regular basis each academic year. (See schedule below.) Other focus area courses are offered every other academic year unless there is an identified demand for the course.

Core Courses	Semester the Course is Offered
MIT 500	Fall
MIT 511	Fall
MIT 520	Fall
MIT 540	Fall
MIT 510	Spring
MIT 530	Spring
MIT 541	Spring
MIT 542	Fall & Spring
MIT 598 or MIT 599	Fall & Spring

Focus Area Courses	Semester the Course is Offered
MIT 512	Fall
MIT 522	Spring
SED 557	Spring
MIT 514 or MIT 521	Fall
MIT 515 or MIT 513	Spring
MIT 501, 502 or MIT 531	Summer
MIT 502 or MIT 503 or MIT 595	Fall

Note: MIT courses are offered both on campus and online, allowing professionals to earn their degrees and/or certificates by taking MIT on-campus courses, or MIT online courses, or a combination of both types.

WATSON SCHOOL OF EDUCATION
UNIVERSITY OF NORTH CAROLINA WILMINGTON

**INSTRUCTIONAL TECHNOLOGY SPECIALIST (ITS) AND 079 SPECIAL ENDORSEMENT IN
EDUCATIONAL COMPUTING AND TECHNOLOGY FACILITATION (TF): A POST-
BACCALAUREATE CERTIFICATE**

The ITS/IF Certificate Program addresses the needs of K-12 teachers, as well as instructional technology specialists, community college faculty/staff, and individuals interested in advancing their career opportunities. The Certificate program serves individuals who wish to expand their knowledge and skills in design, development, implementation and management of technology training and various instructional materials, web-based instruction, virtual learning communities, graphic production, multimedia production, and others. The program uses an online delivery system for the majority of courses. Some courses may require real-time virtual or face-to-face meetings to provide hands-on activities for production purposes or to offer site visitations

Certificate Program Goals and Objectives

The certificate program seeks to develop creative professionals who:

1. Have developed knowledge of computer utilization practices and the ability to apply them in instructional settings including: Computer literacy, software selection and evaluation, instructional management, hypermedia development, and distance learning.
2. Have developed conceptual and practical understanding of principles of instructional design and development.
3. Are skilled in instructional design processes.
4. Have developed production skills in the development of Web-based resources and distance education programs.
5. Provide leadership to educational environments and facilitate planning and implementation of instructional technology innovations.
6. Are skilled in multimedia development.
7. Are sensitive and aware of various organizational, ethical, cultural and pedagogical issues related to utilization of media/emerging technology.

For the complete description of the program see the following website:

<http://www.uncw.edu/ed/mit/>

Important Information

- A. The Certificate in Instructional Technology Specialist requires that students have or are qualified to have, a North Carolina class “A” teaching licensure in at least one area of education if they are seeking 079 Special Endorsement in Educational Computing and Technology Facilitation (TF). Upon completion of the program, students are recommended for “079” Special Endorsement as a Technology Facilitator. Individuals in other fields that do not require teaching licensure (e.g., business, community college or health-related fields, etc.) may be admitted to the program and complete the certificate Instructional Technology Specialist, but will not be recommended for 079 Special Endorsement in Educational Computing and Technology Facilitation (TF). The Certificate is not a license to teach for individuals who do not have teaching licensure, but rather a university endorsement of instructional technology competence.
- B. The Certificate Program requires completion of 18 credit hours of graduate level courses. Students must complete at least two core courses and twelve hours from a list of approved electives to complete the certificate program. (See the Program of Study.)
- C. No Praxis Specialty Area tests are required for this program.
- D. Students must meet with their advisors during the fall and spring semesters to plan program coursework and to receive their registration information. Prerequisites and co-requisites for courses are listed in the *UNCW Graduate Catalog*.
- E. Graduate students currently admitted and enrolled in a graduate degree program may simultaneously pursue the Certificate Program if approved by the graduate program director and the Certificate Program director. No other application is necessary.
- F. Students who are currently enrolled in the Graduate School and who wish to pursue the Certificate Program must apply for admission to the program before one-half of the required credits are completed.
- G. No transfer credit from another institution will be counted toward the completion of the Certificate Program with the exception of courses offered as part of an agreement between the Certificate Program and collaborating institutions.
- H. A Certificate graduate student may enroll on either a part-time or a full-time basis. Certificate graduate students enrolled as non-degree students will not be eligible for graduate assistantships nor will they be eligible for financial aid through the Financial Aid Office.
- I. Individuals may take up to 10 semester hours as non-degree students provided they meet the admission requirements for the Certificate Program. These hours may be applied toward the certificate upon acceptance as a Certificate student.
- J. Individuals who wish to enter into the M.S. in Instructional Technology graduate program must apply to the Graduate School as degree-seeking students before the completion of 10 credit hours.

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**INSTRUCTIONAL TECHNOLOGY SPECIALIST (ITS) AND 079 SPECIAL ENDORSEMENT IN
EDUCATIONAL COMPUTING AND TECHNOLOGY FACILITATION (TF): A POST-
BACCALAUREATE CERTIFICATE**

The program leading to the Post-Baccalaureate Certificate in instructional technology specialist provides professional training for individuals who wish to develop extensive knowledge, preparation, and skills in design, development, implementation and management of technology training and various instructional materials, web-based instruction, virtual learning communities, graphic production, multimedia production, and others. Upon completion of the Certificate Program, individuals holding, or qualified to hold, a North Carolina Class "A" teacher licensure in at least one area of education, receive 079 Special Endorsement in Educational Computing and Technology Facilitation (TF).

The 18-semester hour program is comprised of 6 semester hours of core courses and 12 hours of electives. Students who hold or qualified to hold a NC teaching license and seeking 079 Special Endorsement in Computers in Education must take 15 credit hours of required courses and 3 credit hours of electives that meet ISTE standards. (See the Program of Study.)

Program of Study

Option I: Certificate in instructional technology specialist (ITS) and 079 Special Endorsement in Educational Computing and Technology Facilitation (TF)

Required Courses (15 credit hours)

- MIT 500: Instructional Systems Design: Theory and Research (3 credit-hours)
- MIT 511: Multimedia Design and Production (3 credit-hours)
- MIT 512, Computer Applications in Education (3 credit-hours)
- MIT 522: Organization & Management of Instructional Technology Programs (3 credit-hours)
- MIT 540: Colloquium I (1 credit-hour)
- MIT 541: Colloquium II (1 credit-hour)
- MIT 542: Internship (No class time. Field-based experience) (1 credit-hour)

Select one course from the following: (3 credit hours)

- MIT 513: Computer-based Instruction (3 credit-hours)
- MIT 514: Distance Education (3 credit-hours)
- MIT 515: Web Teaching: Design and Development (3 credit-hours)
- SED 557: Technology Applications in Special Education (3 credit-hours)

Option II: Certificate in instructional technology specialist (ITS)

Required Courses

- MIT 500: Instructional Systems Design: Theory and Research (3 credits)
- MIT 511: Multimedia Design and Production (3 credit-hours)

Select 12 credit hours from the following approved elective courses

- MIT 511: Multimedia Design and Production (3 credit-hours)
- MIT 520: Managing Instructional Development (3 credits)
- MIT 513: Computer-based Instruction (3 credit-hours)
- MIT 514: Distance Education (3 credit-hours)
- MIT 515: Web Teaching: Design and Development (3 credit-hours)

- MIT 522: Organization & Management of Instructional Technology Programs
- MIT 502: Systematic Approach to Performance Improvement (3 credits)
- MIT 503: The Fundamentals of Computer Programming
- MIT 595: Educational Gaming & Simulation
- MIT 540: Colloquium I (1 credit hour)
- MIT 541: Colloquium II (1 credit hour)
- MIT 542: Internship (1 credit hour)

Expected Course Offerings: All required courses for the students who are seeking 079 Special Endorsement in Computers in Education are offered on a regular basis each year. The elective courses are offered every other academic year unless there is an identified demand for the course.

IMPORTANT NOTE: Please note that credit for courses taken in the Certificate program are part of the approved course work of the Master of Science in Instructional Technology (MIT) program. Individuals who wish to enter into the M.S. in Instructional Technology graduate program must apply to the Graduate School as degree-seeking students before the completion of 10 credit hours.

MIT courses are offered both on campus and online, allowing professionals to earn their degrees and/or certificates by taking MIT on-campus courses, or MIT online courses, or a combination of both types.