

# Information Communication Technology

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## College of Communication & Information

### Master of Science

Our Information Communication Technology program strives to educate students to assume roles where the application of information technology (IT) is concerned with the ultimate goal of connecting people, organizations, and communities to enhance their ability to succeed. This master's program focuses on providing students with the knowledge and skills to assume leadership positions charged with effectively applying, using, and managing technology when solving problems specifically related to information and communication. It provides a human and organizational focus on technology – teaching students how to be effective users of technology. In general, the ICT program focuses on the intersection of technology, the people who use that technology, the policies and regulations governing or affecting use of that technology, and the community or environment in which that technology is used, in order to facilitate communicating information in meaningful ways.

### Admission Requirements

Students are admitted for fall and spring semesters. Application deadlines are July 15 for fall admission and November 15 for spring admission. Students pursuing the degree will apply to the Graduate School for admission to the ICT MS degree program. There is no preferred undergraduate degree program. Admission to the ICT MS degree program requires 1) a bachelor's degree from an accredited institution; 2) a grade point average of 3.0 or higher on any prior undergraduate or graduate work, in both cases on a scale with A = 4.0; and 3) Graduate Record Exam scores, verbal: new exam 150 or higher OR old exam 400 or higher; quantitative: new exam 140 or higher OR old exam 450 or higher, and analytical writing 4.0 or higher. For the quantitative and analytical scores, applicants should meet at least one of the minimum scores. Applicants for whom English is not the native language must achieve a TOEFL score of 550 for the paper-based test (213 for computer-based test or 79 for the internet-based test). Students may take 500-level undergraduate courses, with the advice of faculty or staff, to remedy any deficiencies. Students who are admitted will be expected to complete online Microsoft Office trainings, available through the University at no charge, for Word, Access, Excel, and PowerPoint by the end of their second semester. These trainings serve a leveling function and help to ensure that students entering the graduate program possess baseline skills with general office productivity applications.

### Degree Requirements

The ICT master's degree program requires successful completion of 36 hours (18 hours of electives along with 18 hours of required core courses) and a program portfolio. With the faculty advisor's prior approval, as many as 6 elective hours may be taken in a cognate area of study.

Candidates for the master's degree must produce a satisfactory program portfolio which is used to evaluate the candidate's ability to discuss significant aspects of Information Communication Technology in an integrated and coherent manner. A student who has an I grade or who is on academic probation is not permitted to submit a portfolio. Ultimately, it is the student's responsibility to see that all School and Graduate School requirements are met prior to submitting a program portfolio.

The program portfolio provides the student with the opportunity for self-reflection, formative self-evaluation, and synthesis of desired learning outcomes. Students have the opportunity through the portfolio to holistically examine their program of study and highlight their accomplishments in the program, reflect on their learning in the context of core competencies, and reflect on how their work in the program has prepared them for their career goals.

## Required Core Courses

ICT 600	ICT in Society	(3)
ICT 601	Information Representation and Access	(3)
ICT 630	Information Retrieval, CL with LIS 630	(3)
ICT 596	Practicum, 3 credit hours repeated (6 total)	(3-6)

## Elective Courses

ICT 550	Security Informatics	(3)
ICT 552	Cybercrime and Digital Law Enforcement	(3)
ICT 610	ICT Research Methods	(3)
ICT 626	Electronic Information Resources in the Health Sciences	(3)
ICT 627	Consumer Health Information Resources	(3)
ICT 630	Information Retrieval	(3)
ICT 638	Advanced Web Design	(3)
ICT 640	Health Information Resource Services	(3)
ICT 650	Introduction to Leadership in Information Professions	(3)
ICT 651	Technology Security	(3)
ICT 658	Knowledge Management	(3)
ICT 668	Information Systems Design	(3)
ICT 695	Independent Study in ICT	(3)
CJT 730	Seminar in Mass Media and Public Policy	(3)
CJT 771	Seminar in Health Communication	(3)
CJT 775	Seminar in Health Communication Campaigns	(3)
LIS 605	Information Policy & Regulation	(3)
LIS 634	Information Architecture	(3)
LIS 629	Introduction to Medical Informatics	(3)