

Information Communication Technology

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.

Degree Requirements

The ICT master's degree program requires successful completion of 36 hours, including 15 hours of required core classes. With the faculty advisor's prior approval, as many as 6 elective hours may be taken in a cognate area of study. Students pursuing the ICT master's will submit a research proposal in the form of a written paper and visual presentation as their Exit Requirement. Students will identify an ICT-related problem space, research current options, propose a new solution, and provide reasoning and evidence that supports the new solution. The project may be new, or it may be an extension to a project started during a student's internship, as long as the student substantially expands what they did during the internship.

Required Core Courses

ICT 600	ICT in Society	(3)
ICT 610	Research Methods	(3)
ICT 650	Introduction to Leadership in Information Professions	(3)
ICT 661	Data Science	(3)
ICT 596	Practicum	(3)

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)