IICSE University
...a liberal arts education

MS in Information Technology

Graduate Program

Master of Science in Information Technology (MS)

MS | INFORMATION TECHNOLOGY

The effective and efficient use of information technology is an essential part of an organization's ability to accomplish a competitive advantage in both the private and public sectors. Ethical practices and professionalism are integrated components all through the study program, along with a focus on essential career development skills and effective management of human resources. The MSIT curriculum analyzes how systems and technologies are put into practice. This includes information security, project planning, scheduling, budgeting, and change management.

The "Master of Science in Information Technology" program is designed to provide you with an integrated design and technology background that can help you advance your career. You will have the opportunity to study; the theories, principles, and practices of information systems; how to employ project management skills; how to analyze data to solve complex problems; and to advance your career in software engineering, IT management, or digital media. Through the study of this information technology degree program, you'll get the skills necessary to play a critical role in sustaining today's knowledge-based society.

A master's degree in information technology could prepare you with the communication skills, critical thinking abilities, and technical competencies to help advance your career. You will have the opportunity to apply appropriate technologies in the analysis and design of information systems, as well as assess ethical, legal, and social issues.

www.iicseuniversity.org

The Program Structure:

Course Code	MS: **First** Semester Courses	Credit
ITECH 801	Communication Skills	2
ITECH 802	C++ and Data Structure	3
ITECH 803	Visual Programming	3
ITECH 804	Database Management Systems	2
ITECH 805	Programming in C	2
ITECH 806	Cloud Computing	3
	TOTAL CREDITS	**15**

Course Code	MS: **Second** Semester Courses	Credit
ITECH 811	Operating Systems	2
ITECH 812	Programming in Java	3
ITECH 813	Software Metrics	3
ITECH 814	Web Technology	2
ITECH 815	Multimedia Systems	2
ITECH 816	Design and Analysis of Algorithms	3
	TOTAL CREDITS	**15**

Course Code	MS: **Third** Semester Courses	Credit
ITECH 821	Network Programming using UNIX	2
ITECH 822	Object Oriented Analysis and Design	3
ITECH 823	Internetworking Technologies	3
ITECH 824	Software Engineering and Management	2
ITECH 825	Data Warehousing	2
ITECH 826	Pervasive Computing	3
	TOTAL CREDITS	**15**

Course Code	MS: **Fourth** Semester Courses	Credit
ITECH 831	Multimedia Computing	2
ITECH 832	Software for Embedded Systems	3
ITECH 833	Network Security	3
ITECH 834	Embedded System Design	2
ITECH 835	Data Mining	2
ITECH 836	Master Thesis	3
	TOTAL CREDITS	**15**

The thesis

A thesis on a particular topic of your choice (with a Supervisor's approval) will be completed by each student in the last semester. There is considerable scope in the choice of subject areas by the student and the research method employed. Each student is allocated a supervisor who guides them through the thesis. The thesis aims to assimilate the theoretical and practical elements of the academic program of study.

Duration of program: A Semester runs for a period of three months. Our "Master's Degree" programs are completed within the period of four semesters (one year). We allow extension in the period of study, in case your courses could not be completed within the stipulated time frame. No additional fee, no extra charge for extension in the period of study.

How to apply

Prospective student must complete the Admission Form and pay the processing fee of $45 USD or its equivalent. The processing fee is refundable if admission is denied.

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Applications for the program:
Applications for this program are made online by going to **www.iicseuniversity.org/apply.html**

Academic Excellence

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