IICSE University
...a liberal arts education

MS in Computer Science
Graduate Program

Master of Science in Computer Science (MS)

MS | COMPUTER SCIENCE

The "Master of Science in Computer Science" program is intended for people who wish to broaden and deepen their understanding of computer science. IICSE University provides excellent career opportunities with multiple industries. The program provides a unique opportunity to develop leading-edge in-depth knowledge of specific computer science disciplines.

It is designed to give students a broad background in the major disciplines of computer science and internet engineering, with the main focus on software development. Students in the MSCS program complete an intensive Master Thesis/Project in a research-based software development or software engineering. Courses include network design and programming, distributed computing, advanced systems, artificial intelligence, and web systems and algorithms.

It also provides intensive preparation in the concepts and techniques related to the design, programming, and application of computing systems. Students are expected to study to the deep understanding of both fundamentals and important current issues in computer science and computer engineering so that they may either obtain productive employment or pursue advanced degrees.

www.iicseuniversity.org

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The Program Structure:

Course Code	MS: First Semester Courses	Credit
COM 801	Computer Networks	2
COM 802	Security and Cyber Crimes	3
COM 803	Computer Architecture	3
COM 804	Object Oriented Programming	2
COM 805	Cryptography	2
COM 806	Operating Systems	3
	TOTAL CREDITS	15
Course Code	**MS: Second Semester Courses**	**Credit**
COM 811	Data Structures and Algorithms	2
COM 812	Database Management Systems	3
COM 813	Information Systems Control and Audit	3
COM 814	Advanced Topics in Cryptography	2
COM 815	Cryptanalysis	2
COM 816	Secure Internet Programming	3
	TOTAL CREDITS	15
Course Code	**MS: Third Semester Courses**	**Credit**
COM 821	Advanced Computer Security	2
COM 822	Biometrics for Security	3
COM 823	Steganography and Digital Watermarking	3
COM 824	Theory of Computation	2
COM 825	Statistical Methods	2
COM 826	Scientific Computing	3
	TOTAL CREDITS	15
Course Code	**MS: Fourth Semester Courses**	**Credit**
COM 831	High Performance Computing	2
COM 832	Digital Signal Processing	3
COM 833	Artificial Intelligence	3
COM 834	Software Engineering	2
COM 835	Cloud Computing	2
COM 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