IICSE University
...a liberal arts education

MS in Telecommunication Engineering

Graduate Program

Master of Science in Telecommunication Engineering (MS)

MS | TELECOMMUNICATION ENGINEERING

The "Master of Science in Telecommunication Engineering" program at the IICSE University is designed to provide students with the professional skills needed to advance a successful career in telecommunications. Students gain a solid study-knowledge of the basic networking technologies, systems, and services; increase their ability to compare networking and telecommunication products and services; and enhance their ability to manage complex telecommunication projects.

The curriculum was carefully developed with the guidance of telecommunication industry leaders. The degree program integrates knowledge of the computer science, engineering, managerial, and legal aspects of networking and telecommunications.

Upon completing this program, you will study to have the knowledge to design, deploy, and test complete telecommunications systems. You will also have the knowledge needed to select the latest telecommunication technology, standards, and techniques.

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The Program Structure:

Course Code	MS: First Semester Courses	Credit
ENG 801	Adaptive and Array Signal Processing	2
ENG 802	Broadband Communication Networks	3
ENG 803	Engineering Management	3
ENG 804	Information Theory	2
ENG 805	System-on-Chip Technologies	2
ENG 806	Differential Navigation	3
	TOTAL CREDITS	15
Course Code	**MS: Second Semester Courses**	**Credit**
ENG 811	Advanced Communications Engineering	2
ENG 812	Advanced Signal Processing Channel Coding	3
ENG 813	Electronic Design Automation	3
ENG 814	Image and Video Compression	2
ENG 815	Mobile Communication	2
ENG 816	Multi-User Information Theory	3
	TOTAL CREDITS	15
Course Code	**MS: Third Semester Courses**	**Credit**
ENG 821	System Communications	2
ENG 822	System Signal Processing	3
ENG 823	Multimedia Communication	3
ENG 824	Network Planning	2
ENG 825	Numerical Linear Algebra for Signal Processing	2
ENG 826	Optical Networks	3
	TOTAL CREDITS	15
Course Code	**MS: Fourth Semester Courses**	**Credit**
ENG 831	Coding Theory	2
ENG 832	Wireless Communications Systems	3
ENG 833	Optical Communication Systems	3
ENG 834	Pattern Recognition	2
ENG 835	Circuit Theory and Communication	2
ENG 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