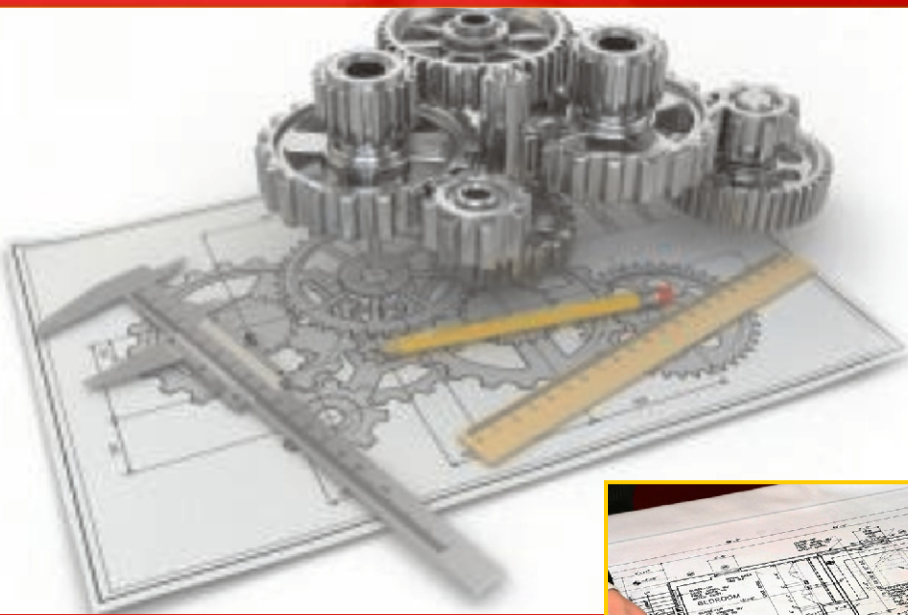




**IICSE University**  
...a liberal arts education

## MS in Engineering Management Technology **Graduate Program**

### Master of Science in Engineering Management Technology (MS)



**MS**

**ENGINEERING**  
MANAGEMENT TECHNOLOGY

IICSE University's Master of Science in Engineering Management Technology is designed for working professionals who want to develop skills to manage projects, technology, and people. This program prepares engineering and business professionals to make strategic and operational decisions and become leaders in the administration of technology. Courses are basically designed for individuals seeking to enhance their technical expertise and lead dynamic work teams. It gives individual students a unique blend of engineering and business expertise, preparing them with the leadership skills they need to oversee complex technical projects.

This degree focuses on both technical learning in specific engineering disciplines and different elements of project management (such as cost schedules and delivery requirements) that lead or supervising engineers must understand to perform successfully in the corporate environment. Flexible course offerings with study materials make balancing professional and academic obligations more convenient.

You will study to focus on Customer-oriented approaches; Global technology and innovation strategies; Performance management in technical organizations; Management of scarce resources; Interdisciplinary team approach; et cetera.

You will study to become proficient in Project management; Systems engineering; Lean manufacturing; Six sigma quality management; Design for manufacturing; Supply chain management; and many more.

[www.iicseuniversity.org](http://www.iicseuniversity.org)



**The Program Structure:**

Course Code	MS: <b>First Semester Courses</b>	Credit
MEM 801	Optimization Methods	2
MEM 802	Applied Probability	3
MEM 803	Data Mining and Statistics	3
MEM 804	Physics of Semiconductor Devices	2
MEM 805	Nanomaterials and Nanoelectronics	2
MEM 806	Fabrication Technology	3
<b>TOTAL CREDITS</b>		<b>15</b>
Course Code	MS: <b>Second Semester Courses</b>	Credit
MEM 811	Applying Models in Management	2
MEM 812	Integrated Product Development	3
MEM 813	Project Management and Strategic Planning	3
MEM 814	Rapid Prototyping	2
MEM 815	Computer Aided Design (AutoCAD)	2
MEM 816	Product Development Management	3
<b>TOTAL CREDITS</b>		<b>15</b>
Course Code	MS: <b>Third Semester Courses</b>	Credit
MEM 821	Cost Analysis	2
MEM 822	Organizational Psychology and Human Resources	3
MEM 823	Corporate Finance	3
MEM 824	Introduction to Logistics	2
MEM 825	Global Logistics Management	2
MEM 826	Renewable Energy	3
<b>TOTAL CREDITS</b>		<b>15</b>
Course Code	MS: <b>Fourth Semester Courses</b>	Credit
MEM 831	Control and Instrumentation	2
MEM 832	Embedded Systems	3
MEM 833	Electromagnetic Compatibility	3
MEM 834	Power Electronics	2
MEM 835	Dynamics and Control	2
MEM 836	Master Thesis	3
<b>TOTAL CREDITS</b>		<b>15</b>

**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.



**Applications for the program:**

Applications for this program are made online by going to [www.iicseuniversity.org/apply.html](http://www.iicseuniversity.org/apply.html)

