



# GRADUATE PROGRAM

## Master of Science in Software Engineering

Internationally Accredited By:

**WASC**  
Senior College and  
University Commission






## PROGRAM OVERVIEW

The Master of Science in Software Engineering teaches the art of applying advanced engineering principles to building quality software systems in a cost-effective way. The program equips learners with a solid theoretical and practical foundation, and provides immersive exposure to evolving software development processes, methodologies and tools, to prepare them for successful careers as software engineering professionals.

The program is designed to impart knowledge while developing the skills needed to meet the current and future needs of government and corporate organizations, and to prepare students for Ph.D. degree programs in computer science and related areas.

Our graduate software engineers are in great demand in the UAE and abroad, and our alumni are eligible for the most highly paid positions in the industry.

## GRADUATES WILL BE ABLE TO

-  Develop a career towards a leadership role.
-  Build robust, reliable, and maintainable software.
-  Manage software projects from planning and design through to implementation and management.
-  Design complex systems.
-  Engineer critically emerging software models, techniques, and technologies.

 Scholarships are available on a **competitive basis**

## CAREER OPPORTUNITIES



Software Designer



Software Developer



Senior Software Engineer




System Analyst



Test Engineer

### TESTIMONIAL



The program teaches us not only technical skills such as design requirements and testing, but also interpersonal communication and management practices. The M.Sc. in Software Engineering at CIT offers a good balance of both. 

**Sara Mohamed Mahmoud**  
M.Sc. in Software Engineering





## SAMPLE OF COURSES

- Software Construction
- Requirements Engineering
- Software Quality Assurance and Testing
- HCI and Usability
- Web Applications
- Special Topics in Software Engineering
- Embedded Software
- Special Topics in Information Technology
- Current Emerging Trends in Information Technology
- Management and Leadership in Information Technology
- System Analysis, Modeling & Design



## INDUSTRY-SPONSORED PROJECTS

Industry-sponsored projects provide you with opportunities to work in group situation and to produce portfolios of your work. Faculty with significant industry experience will teach your classes and help guide your professional development. You will make presentations both in class and at professional events, and document your projects in academic publications. Like other CIT graduates, you'll be able to demonstrate what you have accomplished and not just what you have learned.



Project Lead



System Architect



Requirements Engineer



## > WHY CIT?

1. World-class faculty
2. Cutting-edge research
3. Hands-on experience and industry collaborations
4. Balanced mix of theory and practice
5. Access to state-of-the art labs
6. Stimulating learning environment
7. International accreditation
8. Our graduates are in high demand
9. The MIT of the Middle East

## > CONTACT DETAILS

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