Program Viewbook

Master of Information Technology Management (MITM)

Program Description

The Master in Information Technology Management (MITM) program equips students with advanced knowledge and skills to integrate business and IT strategies in complex and global contexts. The curriculum develops competencies in IT governance, strategic IT planning, blockchain technology, and IT services and operations, while also strengthening research, finance, and ethical decision-making foundations. Students gain experience in applying quantitative and qualitative methods to address IT management challenges, evaluating initiatives against professional standards, and analyzing the broader ethical, cultural, and social implications of IT practices. In addition to completing core courses and a dissertation, students select one of two elective options: Data Analytics or Digital Transformation. The Data Analytics option emphasizes on data science, analytics, and business intelligence, while the Digital Transformation option focuses on cloud computing, edge and fog computing, and cybersecurity. Both options prepare students to design innovative solutions that support organizational performance and long-term sustainability.

Graduates of this program are prepared for leadership roles such as Chief Information Officer, Chief Technology Officer, IT Project Manager, and Data Center Manager.

Program Learning Outcomes (PLOs)

PLO 1: Demonstrate in depth knowledge of major theories, models and techniques to align business and IT strategies in dynamic global contexts.

PLO 2: Recognize the different types of indicators of strategic performance.

PLO 3: Apply analytical quantitative and qualitative methods to solve highly complex challenges in IT management environment.

PLO 4: Demonstrate effective communication skills through oral presentation, discussions, and reports writing.

PLO 5: Apply advanced skills in analyzing and assessing complex IT management initiatives while respecting professional standards

PLO 6: Demonstrate autonomy in evaluating IT management problems, managing professional practices to build and transform socio-cultural norms to deal with highly complex challenges within the IT governance environment.

PLO 7: Perform effectively both as a team member and as individual contributor, to achieve business and IT strategic goals in dynamic and global contexts.

PLO 8: Develop personal effectiveness, demonstrate a high level of curiosity and integrity to independently manage the complexity of ethical, cultural and social implications in organizations' business and IT management practices.

Program Completion Requirements

The Master in Information Technology Management (MITM) degree shall be awarded to a student who is officially enrolled in the program and has fulfilled the following requirements:

- Successful completion of 36 credit hours.
- Achievement of a minimum cumulative GPA of 3.0 on a 4.0 scale.
- Completion of at least 75% of total program credit hours at CUD.
- Completion of the Dissertation while enrolled at CUD.

Program Structure

Core Courses	21 Cr. Hrs.
Practical Experience & Projects	06 Cr. Hrs.
Electives Focus Area	09 Cr. Hrs.
Total	36 Cr. Hrs.

List of Courses

I. Core Courses

Course			Pre/Co-requisite	Cr. Hrs.
				21
MBA	642	Managerial Finance	None	3
MBA	643	Business Research Methods	None	3
MBA	657	Business Ethics and Corporate Social Responsibility	None	3
MIT	602	IT Services and Operations	None	3
MIT	604	Blockchain Technology	None	3
MIT	606	IT Governance and Management	None	3
MIT	607	Strategic IT Planning	None	3

II. Practical Experience & Projects

Course			Pre/Co-requisite	Cr. Hrs.
				06
MIT	700	Dissertation	Complete 21 Cr. H. & CGPA of at least 3.0	6

III. Elective Focus Area

Course : Student will require to select one from			Pre/Co-requisite	Cr. Hrs.
1- **Data Analytics Elective Courses (09 Credits):** Students are required to select three courses from the following courses				09
MIT	621	Data Sciences	None	3
MIT	622	Data Analytics for Managers	MIT 621	3
MIT	623	Business Intelligence	None	3
2- **Digital Transformation Elective Courses (09 Credits):** Students are required to select three courses from the following courses				09
MIT	631	Cloud Computing	None	3
MIT	632	Edge and Fog Computing	MIT 631	3
MIT	633	Cybersecurity	None	3

Three Semesters Study Plan

Semester	Course Code		Course Title	Prerequisite	Cr. Hrs.
1	MBA	643	Business Research Methods	None	3
	MIT	602	IT Services and Operations	None	3
	MBA	649	Business Ethics and Sustainability	None	3
	MIT	XXX	Elective Course (1)		3
	Total				**12**
2	MBA	642	Managerial Finance	None	3
	MIT	604	Blockchain Technology	None	3
	MIT	606	IT Governance and Management	None	3
	MIT	XXX	Elective Course (2)		3
	Total				**12**
3	MIT	607	Strategic IT Planning	None	3
	MIT	XXX	Elective Course (3)	None	3
	MIT	700	Dissertation*	Complete 18 Cr. Hrs. & CGPA ≥ 3.00	6
	Total				**12**
Total					**36**

*   *Research topics and research proposal of the dissertation must be approved before the end of Semester 2.*