

## MSc in Applied Information Technologies (14 months or 2 years, Master of Science)

**TABLE 2: COURSE DISTRIBUTION A & B SEMESTER**

**(Note: Like all Master programmes at CIIM, the MSc in Applied Information Technologies is a modular programme not a semester-based programme; Courses are taught sequentially, each over 2-3 weeks, during evenings and weekends)**

A/A	Course Type	Course Code	Course Name	Periods per week	Period duration (minutes)	Number of weeks/ Academic semester	Total Teaching hours	Number of ECTS
1.	Core	BI395	Foundations of Business Information Technology	Not applicable	55	2-3 weeks	28	6
2.	Core	BI430	Quantitative Methods & Statistical Analysis	Not applicable	55	2-3 weeks	28	6
3.	Core	BI420	Python Programming	Not applicable	55	2-3 weeks	28	6
4.	Core	BI405	Database Management and Cloud Computing	Not applicable	55	2-3 weeks	28	6
5.	Core	AT200	Web Application Development	Not applicable	55	2-3 weeks	28	6
6.	Core	AT300	Object-Oriented Programming	Not applicable	55	2-3 weeks	28	6
7.	Core	AT400	Blockchain and Applications	Not applicable	55	2-3 weeks	28	6
8.	Core	AT500	Applied Artificial Intelligence & Deep Learning	Not applicable	55	2-3 weeks	28	6
9.	Core	AT600	Digital Transformation of Businesses & Organizations	Not applicable	55	2-3 weeks	28	6
10.	Core	AT700	Algorithms and Data Structures	Not applicable	55	2-3 weeks	28	6

11.	Core	AT1000	Research Project	Not applicable				18
12.	Elective	BI425	Information Security Management for Business	Not applicable	55	2-3 weeks	28	6
13.	Elective	AT800	Project Management in Information Technology	Not applicable	55	2-3 weeks	28	6
14.	Elective	AT900	Technical Entrepreneurship	Not applicable	55	2-3 weeks	28	6
15.	Elective	BI410	Data Mining, Visualization and Decision Making	Not applicable	55	2-3 weeks	28	6
16.	Elective	BI510	Applied Data Analytics Visualization and Forecasting	Not applicable	55	1-2 weeks	28	6