

MSc Business Intelligence and Data Analytics (MSc BIDA)

(14 months full-time or 24 months part-time, Master of Science)

TABLE 2: COURSE DISTRIBUTION BY SEMESTER

(Note: Like all Master programmes at CIIM, the MSc BIDA 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 Name	Course Code	Periods per week	Period duration (minutes)	Number of weeks per course (modular)	Total teaching hours	Number of credits (ECTS)
1	Core	Foundations of Business Information Technology	BI395	N/A	55	2-3	28	6
2	Core	Database Management and Cloud Computing	BI405	N/A	55	2-3	28	6
3	Core	Data Mining, Visualization and Decision Making	BI410	N/A	55	2-3	28	6
4	Core	Managing Big Data	BI415	N/A	55	2-3	28	6
5	Core	Python Programming	BI420	N/A	55	2-3	28	6
6	Core	Information Security Management for Business	BI425	N/A	55	2-3	28	6
7	Core	Web & Social Media Analytics	BI130	N/A	55	2-3	28	6
8	Core	Digital Transformation of Business & Organizations	AT600	N/A	55	2-3	28	6
9	Core	Quantitative Methods & Statistical Analysis	BI430	N/A	55	2-3	28	6
10	Core	Applied Artificial Intelligence and Deep Learning	AT500	N/A	55	2-3	28	6
11	Core	Ethics, CSR & Sustainability	MA650	N/A	55	2-3	28	6
12	Core	Data Science Research Project	BI500	N/A				12
13	Elective	Operations & Supply Chain Management	MB675	N/A	55	2-3	28	6
14	Elective	Project Management	MB710	N/A	55	2-3	28	6
15	Elective	Project Management in Information Technology	AT800	N/A	55	2-3	28	6
16	Elective	Blockchain and Applications	AT400	N/A	55	2-3	28	6
17	Elective	Technical Entrepreneurship	AT900	N/A	55	2-3	28	6
18	Elective	Green and Digital Entrepreneurship & Innovation	MB615	N/A	55	2-3	28	6
19	Elective	Project & Business Financing	FB415	N/A	55	2-3	28	6
20	Elective	Mobile Application Development	AT750	N/A	55	2-3	28	6
21	Elective	Planning & Starting a New Business	MB750	N/A	55	2-3	28	6
22	Elective	Innovative Financial Technologies (FinTech)	FB470	N/A	55	2-3	28	6
23	Elective	Regulation of Innovative Financial Technologies (RegTech/LegTech)	FB500	N/A	55	2-3	28	6
24	Elective	Digital Business Tools and Digital Business Development	GD100	N/A	55	2-3	28	6

*N/A – not applicable

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