BSc in Computing & Business Technologies

Programme curriculum by semester

YEAR 1

A/A	Course type	Course code and name	Periods per week	Period duration (minutes)	Number of weeks per academic semester	Total periods per academic semester	Number of ECTS
A' Semester (Fall)							
1.	Core	CS101 Foundations of Business Information Technologies	2	90	12	24	7.5
2.	Core	CS111 Mathematics I	2	90	12	24	7.5
3.	Core	EC101 Microeconomics	2	90	12	24	7.5
4.	Core	BA101 Personal & Professional Development	2	90	12	24	7.5
B' Semester (Spring)							
5.	Core	CS121 Fundamentals of Computer Science	2	90	12	24	7.5
6.	Core	CS131 Statistics I	2	90	12	24	7.5
7.	Core	CS141 Programming I	2	90	12	24	7.5
8.	Core	BA111 Communication Skills	2	90	12	24	7.5

YEAR 2

A/A	Course type	Course code and name	Periods per week	Period duration (minutes)	Number of weeks per academic semester	Total periods per academic semester	Number of ECTS
A' Semester (Fall)							
1.	Core	CS201 Programming II	2	90	12	24	7.5
2.	Core	CS211 Mathematics II	2	90	12	24	7.5
3.	Core	CS221 Management of Information Systems	2	90	12	24	7.5
4.	Core	BA201 Ethics & Social Responsibility	2	90	12	24	7.5
B' Semester (Spring)							
5.	Core	CS231 Algorithms, Data Structures & Databases	2	90	12	24	7.5
6.	Core	CS241 Software Design and Development	2	90	12	24	7.5
7.	Core	CS251 Digital Transformation	2	90	12	24	7.5
8.	Core	BA221 Innovation & Entrepreneurship	2	90	12	24	7.5

YEAR 3

A/A	Course type	Course code and name	Periods per week	Period duration (minutes)	Number of weeks per academic semester	Total periods per academic semester	Number of ECTS
A' Semester (Fall)							
1.	Core	CS301 Cloud Computing & Database Management	2	90	12	24	7.5
2.	Core	CS311 Object Oriented Programming	2	90	12	24	7.5
3.	Core	CS321 Machine Learning, Data Mining & Business Analytics	2	90	12	24	7.5
4.	Core	BA341 Project Management	2	90	12	24	7.5
B' Semester (Spring)							
5.	Core	CS331 Operating Systems	2	90	12	24	7.5
6.	Core	CS341 Complexity Theory	2	90	12	24	7.5
7.	Core	CS351 Artificial Intelligence & Deep Learning	2	90	12	24	7.5
8.	Core	BA331 Corporate Finance	2	90	12	24	7.5

YEAR 4

A/A	Course type	Course code and name	Periods per week	Period duration (minutes)	Number of weeks per academic semester	Total periods per academic semester	Number of ECTS
			A' Semester (Fall)				
1.	Core	CS401 Networks & The Internet of Things	2	90	12	24	7.5
2.	Core	CS411 Blockchain & Emerging Financial Technologies (FinTech)	2	90	12	24	7.5
3.	Core	CS421 Computer & Internet Security	2	90	12	24	7.5
4.	Core	EC401 Research Methods	2	90	12	24	7.5
			B' Semester (Spring)				
5.	Elective	Thesis OR					30
6.	Elective	Four courses from other Bachelor Programs	2X4	90X4	12	24X4	30 (4x7.5)