

## Academic Form-38: PROGRAM MATRIX

<b>Faculty</b>	Computing and Information Technology
<b>Program</b>	Business Information Technology (BIT)
<b>Award</b>	Bachelor in Business Information Technology
<b>Credit Units/Credit Hours</b>	68 Units /128 Credit Hours
<b>Academic Year</b>	2025 Onwards

Level	Semester 1					Semester 2				
	Course Code	Course Name	Pre-requisite	Core/Elective	Units/CR	Course Code	Course Name	Pre-requisite	Core/Elective	Units
1	BUAC1101	Principles of Accounting	None	Core	2/4	BUMK1201	Principals of Marketing	None	Core	2/4
	COMP1117	Computer Architecture & Organization	None	Core	2/4	COMP1217	Fundamentals of Database Systems	None	Core	2/4
	COMP1116	Computer Programming	None	Core	2/4	COMP1220	Computer Security Fundamentals	None	Core	2/4
	COMP1118	Discrete Mathematics	None	Core	2/3	UNIR1100	Communication Skills I	None	Core	2/4
	UNIR1001	Oman and Islamic Culture	None	Core	1/2	UNIR1002	Arabic Language Skills	None	Core	1/2
2	BUMG1105	Business Statistics I	None	Core	2/4	COMP1216	Algorithms & Data Structure	None	Core	2/4
	BUMG1110	Principles of Management	None	Core	2/4	COMP2220	Web Information Systems	None	Core	2/4
	COMP2111	System Analysis and Design	None	Core	2/4	<b>Elective Course :</b> Select one (COMP2121, BULA1201, COMP2205 , COMP1213)		None	Elective	2/4
	BUAC2102	Financial Management	BUAC1101	Core	2/4	UNIR2100	Communication Skills II	UNIR1100	Core	2/3
	UNIR2001	Entrepreneurship	None	Core	2/2	INTR2002	Industrial Training	UNIR2001	Core	0

3	COMP3112	Software Project Management	None	2/4	2/4	BUMG3202	International Business	BUMG1110	2/4	2/4
	COMP3108	Cloud Computing and Web Services	None	2/4	2/4	BUMG3203	Operations Management	None	2/4	2/4
	COMP3107	Distributed Database Design	None	2/4	2/4	COMP3211	ERP Design and Implementation	None	2/4	2/4
	<b>Elective Course :</b> Select one (COMP2000,COMP2108, COMP2100, COMP3111, CYSE3101)		Based on the selected course	Elective	2/4	UNIR3100	Communication Skills III	UNIR2100	Core	2/3

4	COMP4000A	Specialization Project	None	Core	2/4	COMP4000 B	Specialization Project	COMP4000A	Core	2/4
	BUIS3104	Business intelligence	None	Core	2/4	COMP3210	Artificial Intelligence	None	Core	2/4
	COMP4108	Big Data Analytics	None	Core	2/4	<b>Elective Course :</b> Select one(COMM3235,COMP2224, COMP3201, CYSE3201, CYSE3221)		Based on the selected course	Elective	2/4
	COMP4107	<b>Special Topics:</b> Select one (COMP4109, NEDB3101, COMP3109)	Based on the selected course	Elective	2/4	BUMG4201	Strategic Management	None	Core	2/4

\*For the elective course students can select one course from a list of nominated courses. The nominated courses may change based on availability, student need and technology update and industry requirements.

#### List of Electives

COMP1213 Computer Networks 1

COMP2000 Computer Networks 2

COMP2108 Object Oriented Programming

COMP2100 Human Computer Interaction

COMP2205 Operating System & Security

COMM3235 Audio and Video Processing

COMP2121 Digital Forensics and Malware Analysis

COMP2224 Software Security

COMP3201 Computer Graphic

COMP3109 Mobile Applications  
COMP3111 GIS and Spatial Databases  
NEDB3101 Switching and Routing Techniques  
CYSE3201 Cybersecurity Analytics  
CYSE3221 Cyber Law and Ethics  
CYSE3101 Cyber Security and Risk Management  
NEDB3101 Switching and Routing Techniques  
COMP4109 Internet of Thing