

**CURRICULUM FOR BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY WITH
CONCENTRATION IN ENTERPRISE COMPUTING**

a. General Education Courses

Course Code	Course	Credits	Prerequisite
CIS1003	Introduction to Information Technology	3	None
ENG1001	English	3	None
GEN1001	Core Life Skills and Happiness	3	None
MAT1004	Mathematics – I	3	None
GEN1002	UAE Society	3	None
ENG1102	Business Communication	3	ENG1001
HUM1001	Critical Thinking and Problem Solving	3	None
MAT1105	Mathematics - II	3	MAT1004
GEN2008	Innovation, Entrepreneurship & Sustainability	3	HUM1001
GEN2004	General Science	3	None
GEN2005 / GEN2006	Basic Arabic / Advanced Arabic	3	None
GEN2007	Islamic Culture	3	None
	TOTAL	36	

b. Core Courses

Course Code	Course	Credits	Prerequisite
SIT1001	Digital Logic	3	None
SIT1102	Introduction to Programming	3	CIS1003
SIT2103	Database Management Systems	3	SIT1102
SIT2104	Advanced Programming	3	SIT1102
SIT2105	Computer Organization and Architecture	3	SIT1001
BIT2106	Data Structures and Algorithm Analysis	3	SIT2104
SIT2107	Web Design and Development	3	SIT1102
SIT2108	Computer Networks	3	CIS1003
SIT3109	Operating Systems	3	SIT2105
SIT3110	Mobile Application Development	3	SIT2107
BIT3111	E-Commerce	3	SIT2107
SIT3112	Cybersecurity Essentials	3	SIT2108
SIT4114	Ethics in Computing and Information Technology	3	SIT3112
AIT3101	Artificial Intelligence	3	BIT2106
AIT3102	Machine Learning	3	AIT3101

SWE3101	Software Engineering	3	SIT2103
SWE3102	Information Technology Project Management	3	SWE3101
BIT4290	Internship (C,S,P)	6	SWE3102 Completion of 90 Credits
BIT4291	Graduation Project (C,S,P)	3	SWE3102 Completion of 90 Credits
	Total Core (Mandatory)	60	

Elective Courses (Any One)

Course Code	Course	Credits	Prerequisite
SIT4111	Human Computer Interaction	3	SIT3110
BIT4122	Knowledge Management Technology	3	SIT2103
BIT4123	Internet of Things (IoT)	3	SIT2108
BIT4124	Distributed Database Systems	3	SIT2103
BIT4125	Strategic Information System Management	3	SWE3102
	TOTAL	3	

S – Senior Level, C – Capstone, P – Protected

c. Enterprise Computing Concentration Courses

Course Code	Course	Credits	Prerequisite
ECT3101	Enterprise Systems	3	SWE3101
ECT3102	Business Process Modeling	3	SWE3101
ECT3103	E-Supply Chain Management	3	BIT3111
ECT4104	Enterprise Governance using Information Technology	3	ECT3101
ECT4105	Blockchain	3	SIT3112
ECT4106	Enterprise Systems Audit & Control	3	SWE3101
	TOTAL	18	

Elective – Choose Any One

Course Code	Course	Credits	Prerequisite
ECT4121	Cloud Computing	3	SIT2108
ETC4122	Cryptocurrency	3	SIT3112
SIT4112	Big Data Analytics	3	AIT3101
	TOTAL	3	