

Advanced Diploma (Information System)

TOTAL CREDITS = 36

Course Code	Course Title	Credit Hours	University/ College/ Specialization Requirement	Prerequisite	Semester
UNEN3104	English III (Public Speaking)	3	University	UNEN1203 – English II	Semester 1
STAT3101	Probability and Statistics	3	College	MATH1202 – Calculus I	
CSIS3101	Business Process Management	3	Specialization	CSIS2101 – Systems Analysis & Design OR CSSE2101 – Introduction to SoftwareEngineering	
CSIS3102	IS Management and Strategy	3	Specialization	CSCM1101 – Fundamentals of Computing and Information Systems	
CSIS3103	User Experience Design	3	Specialization	None	
	Major Elective 1	3	Specialization		
CSPM3201	Project Management & Acquisition	3	College	CSIS2101 – Systems Analysis & Design OR CSSE2101 – Introduction to SoftwareEngineering	Semester 2
CSDS3101	Fundamentals of Big Data	3	Specialization	CSDS2101 – Database Systems	
CSIS3204	Fundamentals of Digital Marketing	3	Specialization	None	
CSSE3101	Advanced Web Technologies	3	Specialization	CSWD1103 – Web Development I	
CSRM3202	Research Methodology	3	College	STAT3101 – Probability and Statistics	
	Major Elective 2	3	Specialization		

B-Tech (Information System)

TOTAL CREDITS = 36

Course Code	Course Title	Credit Hours	University/ College/ Specialization Requirement	Prerequisite	Semester
CSIS4101	Enterprise Systems	3	Specialization	CSIS3102 – IS Management and Strategy	Semester 1
BSBL4211	Business Law	3	Specialization	None	
CSIS4102	B-Tech Course Project I	3	Specialization	CSRM3202 – Research Methodology	
CSDS4103	Business Intelligent	3	Specialization	CSDS3101 – Fundamentals of Big Data	
	Major Elective 3	3	Specialization		
	Major Elective 4	3	Specialization		
UNAB4105	Arabic Language Skills	3	University	None	Semester 2
BSSM4104	Strategic management		Specialization	None	
CSIS4203	IS Auditing and Control	3	Specialization	None	
CSIS4204	B-Tech Course Project II	3	Specialization	CSIS4102 – B-Tech Course Project I	
	Major Elective 5	3	Specialization		
	Major Elective 6	3	Specialization		

Adv. Diploma & B-Tech Elective Pool

Course Code	Course Title	Credit Hour	University/ College/ Specialization Requirement	Prerequisite
CSSE2203	Data Structures and Algorithms	3	Specialization	CSPG1205 – Introduction to Programming
CSDS4111	Introduction to Blockchain	3	Specialization	None
CSDS3205	Data Visualization	3	Specialization	None
CSIS3105	IS Special Topics	3	Specialization	None
CSIS4206	Knowledge Management System	3	Specialization	CSIS3102 – IS Management and Strategy
CSIS4205	IT for Management Decision Making	3	Specialization	CSIS3102 – IS Management and Strategy
BSHR3206	Teamwork Management	3	Specialization	None
BSHR3207	Employee Relation	3	Specialization	None
BSHR3215	Total Quality Management	3	Specialization	None
CSDS3202	Introduction to Data Science	3	Specialization	STAT3101 – Probability and Statistics AND CSPG1205 – Introduction to Programming
CSDS3204	Data warehouse Design	3	Specialization	CSDS2101 – Database Systems
CSDS3105	Database Programming	3	Specialization	CSDS2101 – Database Systems
CSSE3102	Object-Oriented Analysis and Design	3	Specialization	CSSE2202 – Object-Oriented Programming AND { CSSE2101 – Introduction to Software Engineering OR CSIS2101 – Systems Analysis & Design}
CSSE3203	Mobile Application Development	3	Specialization	CSSE3101 – Advanced Web Technologies
CSSE4103	Full-stack Web Development	3	Specialization	CSSE3101 – Advanced Web Technologies
CSSE4101	Software Design, and Testing	3	Specialization	CSSE3102 – Object-Oriented Analysis and Design
CSSY3205	Authentication and Access Control	3	Specialization	CSSY1208 – Introduction to Information Security
CSSY3202	Web Applications Security	3	Specialization	CSWD2101 – Web Development II
CSNW3204	Cloud Computing Fundamentals	3	Specialization	None
CSNW3203	System Administration	3	Specialization	CSOP1207 – Principles of Operating Systems

University Elective courses across all levels:

course	Course title	Credit hours	University/ College/ Specialization Requirement	Prerequisite
UNCS2215	Communication Skills	3	University	
UNPR2217	Preparing for Work	3	University	
UNWE2216	Working Ethics	3	University	
UNIS2206	Islamic Studies	3	University	
UNOC2207	Oman Civilization and Man	3	University	
UNCT2210	Critical Thinking	3	University	
UNCL2211	Chinese Language	3	University	
UNFL2213	French Language	3	University	
UNGL2215	German Language	3	University	