

BSc NS 2024 Study Plan

Year	Semester 1					Semester 2				
	#	Course Code	Course Title	Pre-Requisites	Cr. Hrs.	#	Course Code	Course Title	Pre-Requisites	Cr. Hrs.
1	1	AR113	Arabic Communication Skills I	EF003 & IT100 & MA10P	3	1	EL112	English Communication Skills II	EL111	3
	2	EL111	English Communication Skills I	EF003 & IT100 & MA10P	3	2	GR131/GR111	University Elective	EF003 & IT100 & MA10P	3
	3	GT101	Learning and Information Technology	EF003 & IT100 & MA10P	3	5	MST129	Applied Calculus	EF003 & IT100 & MA10P	4
	4	GR118	Life Skills and Coexistence	EF003 & IT100 & MA10P	3	4	M110	Python Programming	EL111	8
	Total Hours in Semester				12	Total Hours in Semester				18
2	Semester 3					Semester 4				
	#	Course Code	Course Title	Pre-Requisites	Cr. Hrs.	#	Course Code	Course Title	Pre-Requisites	Cr. Hrs.
	1	MT131	Discrete Mathematics	EL111	4	1	M251	Object-Oriented Java Programming	TM105	8
	2	TM112	Introduction to Computing and Information Technology 2	M110	8	2	TM254	Managing IT: the why, the what and the how	M110	8
	3	TM105	Introduction to Programming	EL111	4	3	MT132	Linear Algebra	EL111	4
	Total Hours in Semester				16	Total Hours in Semester				20
3	Semester 5					Semester 6				
	#	Course Code	Course Title	Pre-Requisites	Cr. Hrs.	#	Course Code	Course Title	Pre-Requisites	Cr. Hrs.
	1	T216A	Cisco networking (CCNA)-A	TM112	8	1	T216B	Cisco networking (CCNA)-B	T216A	8
	3	TM103	Computer Organization and Architecture	TM105	4	2	T321	Operating System Server Administration	T216A	8
	3	M109	.Net Programming	TM105	3	3	MT101	General Mathematics	EL111	3
						4	ITC309	Industrial Training	completeing >= 90 credits	0
	Total Hours in Semester				15	Total Hours in Semester				19
4	Semester 7					Semester 8				
	#	Course Code	Course Title	Pre-Requisites	Cr. Hrs.	#	Course Code	Course Title	Pre-Requisites	Cr. Hrs.
	1	T316	Advanced Networking	T216B	8	1	T471-II	Graduation Project (ITC) - II	T471-I	4
	2	T318	Applied Network Security	T216B	8	2	TM260	Security, Ethics and Privacy in IT and Computing	M110	4
	3	T471-I	Graduation Project (NS) - I	T321 / T316 / T318	4	3	GB102E	Principles of Entrepreneurship for Non-Specialists	EL112	3
	Total Hours in Semester				20	Total Hours in Semester				11

Core Programme Courses
Faculty Elective Courses
Faculty Requirement Courses
University Requirement Courses
University Elective Courses

Total Credits:131