

LIST OF COURSES FACULTY OF SCIENCE

Semester	Subject	Course Type	Course Title	Course Code	
B. Sc. 1st Year	Chemistry	DSC	Atomic Structure, Bonding, General Organic Chemistry & Hydrocarbons	CHEM101TH	
			States of Matter, chemical kinetics & Functional organic chemistry	CHEM102TH	
	Mathematics	DSC	Differential Calculus	MATH101TH	
			Differential Equations	MATH102TH	
	Physics	DSC	Mechanics	PHYS101	
			Electricity and Magnetism	PHYS102	
	Zoology	DSC	Animal Diversity	ZOOL101	
			Comparative Anatomy & Developmental Biology of Vertebrates	ZOOL102	
	Botany	DSC	Biodiversity	BOTA101	
			Plant Ecology & Taxonomy	BOTA102	
	Computer Science	DSC	Problem Solving using Computer	COMP101TH	
			Office Automation Tools	COMP102TH	
	B. Sc. 2nd Year	Chemistry	DSC	Solutions, Phase Equilibrium, Conductance, Electrochemistry & Organic Chemistry	CHEM201TH
				Chemistry of main group element, chemical Energetics, and Equilibria	CHEM202TH
SEC			Basic Analytical Chemistry	CHEM203	
			Fuel Chemistry & Chemistry of Cosmetics and Perfumes	CHEM204	
Mathematics		DSC	Real Analysis	MATH201TH	
			Algebra	MATH202TH	
		SEC	Integral Calculus	MATH309TH	
			Vector Calculus	MATH310TH	
Zoology		DSC	Physiology & Biochemistry	ZOOL201	
			Genetics & Evolutionary Biology	ZOOL202	
		SEC	Medical Diagnostics	ZOOL203	
			Apiculture	ZOOL204	
Botany		DSC	Plant Anatomy & Embryology	BOTA201	
			Plant Physiology & Metabolism	BOTA202	
		SEC	Biofertilizers	BOTA203	
			Gardening & Floriculture	BOTA204	
Physics		DSC	Statistical Thermal Physics	PHYS201	
			Waves and Optics	PHYS202	
		SEC	Computational Physics	PHYS204	
			Electrical Circuits and Network Skills	PHYS205	
Computer Science		DSC	Computer System Architecture	COMP201TH	
			Database Management System	COMP202TH	
		SEC	PHP Programming	COMP203TH	
			Computer Networks	COMP204TH	

B. Sc. 3rd Year	Botany	DSE	Economic Botany & Biotechnology	BOTA-301		
			Cell and Molecular Biology	BOTA-303		
		SEC	Medicinal Botany and Ethnobotany	BOTA-306		
			Mushroom Cultivation Technology	BOTA307		
	Chemistry	DSE	Polynuclear Hydrocarbons, Dyes, Heterocyclic compounds, Spectroscopy (UV, IR, NMR)	CHEM301		
			Polymer Chemistry	CHEM305		
		SEC	Chemical Technology & Society & Business skills for Chemistry	CHEM307		
			Pesticide Chemistry & Pharmaceutical Chemistry	CHEM308		
			Mathematics	DSE	Matrices	MATH301TH
					Numerical Method	MATH304TH
SEC	Probability And Statistics	MATH313TH				
	Transportation And Game Theory	MATH317TH				
GE	Portfolio optimization	MATH319TH				
	Queuing and reliability theory	MATH320TH				
	Descriptive statistics and probability theory	MATH321TH				
	Sample surveys and design of experiments	MATH322TH				
Physics	DSE	Elements of modern physics	PHYS301TH			
		Nuclear and particle physics	PHYS304TH			
	SEC	Radiation safety	PHY307TH			
		Renewable energy & energy harvesting	PHY310TH			
Zoology	DSE	Applied Zoology	ZOOL301TH			
		Insects, vectors and diseases	ZOOL302TH			
	SEC	Sericulture	ZOOL303TH			
		Aquarium fish keeping	ZOOL304TH			
B.Sc. 3rd Year	Computer Science	DSE2A Choose any one	Operating System	COMP301TH		
			Computer Graphics	COMP305TH		
			Programming in Java	COMP306TH		
		DSE2B Choose any one	Data Structure and File Processing	COMP302TH		
			Project Work	COMP303TH		
			Web Technologies	COMP304TH		
SEC	Multimedia and Applications	COMP307TH				
	Software Engineering	COMP308TH				