

Choice Based Credit System (CBCS) : B.Sc.(Physical Science with Chemistry)

Semester	Papers	
Semester I	AECC-1	AECC-1 : English / Hindi / Sanskrit Communications
	Core Paper 1A	Mathematical Physics-I + Lab
	Core Paper 2A	Calculus and Matrices
	Core Paper 3A	Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons + Chemistry Practical Lab
Semester II	AECC-2	AECC-2: Environmental Science
	Core Paper 1B	Core Paper 1B : Electricity and Magnetism + Lab
	Core Paper 2B	Core Paper 2B : Calculus and Geometry
	Core Paper 3B	Core Paper 3B : Chemical Energetics, Equilibrium & Functional Group Organic + Chemistry Practical Lab
Semester III	Core Paper 1C	Core Paper 1C : Mathematical Physics–II + Lab
	Core Paper 2C	Core Paper 2C : Algebra
	Core Paper 3C	Core Paper 3C : Solutions, Phase Equilibrium, Conductance, Electrochemistry & Functional Group Organic + Chemistry Practical Lab
	*Skill Enhancement Course -1	SEC-1A : Physics SEC-1B : LaTeX and HTML SEC-1C : Basic Analytical Chemistry + Practical Lab
Semester IV	Core Paper 1A	Core Paper 1D : Mathematical Physics III + Lab
	Core Paper 2A	Core Paper 2D : Real Analysis
	Core Paper 3A	Core Paper 3D : Chemistry of s- and p-block elements, States of matter & Chemical kinetics + Chemistry Practical Lab
	*Skill Enhancement Course -2	SEC-2A : Physics SEC-2B : Computer Algebra Systems and Related Softwares SEC-2C : Green Methods In Chemistry + Practical Lab
Semester V	DSE-1A	DSE-1A : Physics
	DSE-2A	DSE-2A : Differential Equations
	DSE-3A	DSE-3A : Chemistry of d-Block elements, Quantum Chemistry & Spectroscopy + Chemistry Lab
	*Skill Enhancement Course -3	SEC-3A : Physics SEC-3B : Operating System: Linux SEC-3C : Chemistry Of Cosmetics And Perfumes + Practical Lab
Semester VI	DSE-1B	DSE-1B : Physics
	DSE-2B	DSE-2B : Probability theory & Statistics
	DSE-3B	DSE-3B : Organometallics, Bio-inorganic .., Polynuclear Hydrocarbons and UV, IR Spectroscopy + Chemistry Lab
	*Skill Enhancement Course -4	SEC-4A : Physics SEC-4B : Transportation and Game Theory SEC-4C : Pesticide Chemistry + Practical Lab

AECC- Ability Enhancement Compulsory Course, **GE-** Generic Elective (Interdisciplinary) , **DSE-** Discipline Specific Elective, **SEC-** Skill Enhancement Course.

* - Student may opt only one paper as Skill Enhancement Course from out of three options.