University Academic Programs - Detailed Syllabus & Admission Criteria

This document contains detailed subject-wise syllabus, admission requirements, and last year's cutoff marks for undergraduate programs in Science, Commerce, and Arts.

Admission Criteria & Previous Year Cutoffs

Stream	Eligibility	Admission Criteria	Cut-off (2024)
Science	PCM in 12th with ≥ 60%	Merit + Entrance Test	82%
Commerce	Commerce/Maths with ≥ 55%	Merit Based	76%
Arts	Any Stream with ≥ 50%	Merit Based	68%

Mathematics - Syllabus Breakdown

Calculus: Limits, Derivatives, Integrals (Weightage: 30%)

Algebra: Matrices, Determinants, Complex Numbers (Weightage: 25%)

Geometry: Coordinate, 3D, and Vector Geometry (Weightage: 20%)

Probability: Probability Distributions, Statistics (Weightage: 15%)

Logic & Sets: Logic, Venn Diagrams, Sets (Weightage: 10%)

Physics - Syllabus Breakdown

Mechanics: Laws of motion, Gravitation (Weightage: 25%)

Thermodynamics: Heat, Work, Energy (Weightage: 20%)

Optics: Ray and Wave Optics (Weightage: 15%)

Electrodynamics: Current, Magnetism (Weightage: 25%)

Modern Physics: Atoms, Nuclei, Dual Nature (Weightage: 15%)

English - Syllabus Breakdown

Literature: Poetry, Drama, Fiction (Weightage: 40%)

Grammar: Tenses, Voice, Narration (Weightage: 20%)

Comprehension: Passage Reading (Weightage: 20%)

Writing: Essay, Letter, Report (Weightage: 20%)

Computer Science - Syllabus Breakdown

Programming: Python, C++ basics (Weightage: 35%)

Data Structures: Stacks, Queues, Trees (Weightage: 30%)

Databases: SQL, ER Models (Weightage: 20%)

Networking: OSI, TCP/IP, IP Addressing (Weightage: 15%)

Economics - Syllabus Breakdown

Microeconomics: Demand, Supply, Elasticity (Weightage: 40%)

Macroeconomics: GDP, Inflation, Banking (Weightage: 40%)

Statistics: Index Numbers, Correlation (Weightage: 20%)