

BCECE Physics Syllabus 2025

- Physical World and Measurement
- Heat and Thermodynamics
- Kinematics
- Behaviour of Perfect Gas and Kinetic Theory
- Laws of Motion
- Oscillations and Waves
- Work, Energy and Power
- Electrostatics
- Motion of System of Particles and Rigid Body
- Current Electricity
- Gravitation
- Magnetic Effects of Current & Magnetism
- Properties of Bulk Matter
- Electromagnetic Induction and Alternating Current
- Electromagnetic Waves
- Optics
- Dual Nature of Matter and Radiation
- Atoms and Nuclei
- Electronic Devices
- Communication Systems

BCECE Chemistry Syllabus 2025

- Some basic concepts of Chemistry
- Organic Chemistry - Some Basic Principles and Techniques
- Structure of Atom
- Hydrocarbons
- Classification of Elements and Periodicity in Properties
- Solutions
- Chemical Bonding and Molecular Structure
- Electrochemistry
- States of Matter: Gases and Liquids
- Chemical Kinetics
- Thermodynamics
- Surface Chemistry
- Equilibrium
- General Principles and Processes of Isolation of Elements
- Redox Reactions
- p-Block Elements
- Hydrogen
- d and f Block Elements
- s-Block Elements (Alkali and Alkaline earth metals)
- Haloalkanes and Haloarenes

- Alcohols, Phenols and Ethers
- Aldehydes, Ketones and Carboxylic acids
- Organic compounds containing Nitrogen
- Biomolecules
- Polymers
- Chemistry in Everyday life

BCECE Biology Syllabus 2025

- Diversity In Living World
- Structural Organisation In Animals And Plants
- Cell: Structure And Function
- Plant Physiology
- Human Physiology
- Sexual Reproduction
- Genetics And Evolution
- Biology And Human Welfare
- Ecology & Environment
- Biotechnology And Its Applications

BCECE Mathematics Syllabus 2025

- Sets and Functions
- Algebra I and Algebra II
- Functions and Relations
- Vector
- Calculus I and Calculus II
- Linear Programming
- Three-Dimensional Geometry
- Statistics and Probability
- Mathematical Reasoning
- Coordinate Geometry

BCECE Agriculture Syllabus 2025

- Agrometeorology
- Crop Production
- Horticulture