

PROGRAM OUTCOMES
M.Sc. Environmental Science

PO1: Advanced Environmental Knowledge

Demonstrate comprehensive understanding of environmental processes, pollution science, ecology, biodiversity, geosciences, toxicology, and climate science.

PO2: Analytical and Scientific Skills

Apply advanced laboratory, field, statistical, and modelling tools (RS-GIS, EIA, LCA, hydrological assessments, air & water quality monitoring) to solve environmental problems.

PO3: Research Competence

Design, conduct, and interpret independent research, including problem identification, hypothesis formulation, experimental design, data analysis, and scientific writing.

PO4: Environmental Monitoring & Assessment

Perform environmental audits, risk assessments, EIA studies, pollution monitoring, and environmental data interpretation for decision-making.

PO5: Technological Proficiency

Use modern tools and environmental technologies—bioreactors, microbial biotechnology, eco-engineering, remote sensing, simulation, and modelling tools.

PO6: Sustainable Resource Management

Develop scientifically justified strategies for conservation of biodiversity, soil, water, forests, wetlands, and energy resources using sustainable and integrated approaches.

PO7: Policy, Governance, and Ethics

Understand environmental laws, regulatory frameworks, climate policies, and ethical responsibilities relevant to environmental decision-making.

PO8: Problem-Solving and Innovation

Identify environmental challenges and propose innovative, feasible, and sustainable solutions for pollution control, waste management, and ecosystem restoration.

PO9: Communication & Professional Skills

Present environmental reports, scientific findings, and technical documentation clearly to scientific, governmental, and community stakeholders.