

Sustainability and Environmental Education

1. Overview

Woxsen University integrates sustainability education across its academic programs to equip students with the knowledge and skills required to address environmental challenges and support sustainable development.

Sustainability-related courses are offered across **seven schools**, covering topics such as:

- climate change and environmental management
- renewable energy and sustainable technologies
- environmental law and governance
- sustainable design and architecture
- circular economy and responsible business practices.

These courses are credit-bearing modules within undergraduate and postgraduate programs, ensuring that sustainability education forms an integral part of the university curriculum.

2. Sustainability Courses Linked to Credit Programs

The following table summarizes key sustainability-related courses offered across the university.

School	Program	Sustainability Course	Type
Business	BBA	Climate Change & Environmental Management	Core
Business	BBA	Corporate Social Responsibility & Sustainability	Core
Business	MBA	Sustainable Business Models	Elective
Business	MBA	Environmental Management Practices	Elective
Sciences	Biotechnology	Environmental Biotechnology	Core
Sciences	Chemistry	Environmental Chemistry & Sustainable Energy Systems	Core
Sciences	Chemistry	Sustainable Water Treatment	Core
Arts & Design	B.Des	Sustainability in Design Practices	Core
Arts & Design	B.Des	Sustainable Fashion Design	Core
Arts & Design	B.Des	Sustainable Product Development	Core

Architecture & Planning	B.Arch	Building Services & Sustainability	Core
Architecture & Planning	B.Arch	Sustainability & Urbanism	Elective
Law	BA LLB / BBA LLB	Environmental Law	Core
Law	BA LLB / BBA LLB	International Environmental Law	Elective
Liberal Arts & Humanities	Economics	Environmental Economics	Core
Liberal Arts & Humanities	Political Science	Environment and Biodiversity Conservation	Core
Technology	B.Tech	Chemistry for Sustainable Future	Core

3. Integration of Sustainability Across Programs

Sustainability topics are embedded in multiple disciplines through interdisciplinary teaching approaches.

Examples include:

- **Business programs** focus on ESG, responsible leadership, and circular economy strategies.
- **Architecture programs** integrate climate-responsive design and sustainable urban development.
- **Science programs** address environmental chemistry, biotechnology, and sustainable resource management.
- **Law programs** examine environmental legislation and biodiversity governance.
- **Design programs** emphasize sustainable materials and eco-friendly design practices.

This approach ensures that sustainability education is integrated across academic disciplines rather than limited to a single program.

4. Learning Outcomes

Students completing sustainability-related courses are expected to:

1. Understand the scientific, social, and economic dimensions of environmental sustainability.
2. Analyze climate change impacts and resource management challenges.
3. Apply sustainability principles in professional and academic contexts.
4. Develop innovative solutions to environmental problems.
5. Contribute to sustainable development initiatives at local and global levels.

5. Alignment with Global Sustainability Goals

The courses offered by the university align with the **United Nations Sustainable Development Goals**, particularly:

- **SDG 4 – Quality Education**
- **SDG 7 – Affordable and Clean Energy**
- **SDG 12 – Responsible Consumption and Production**
- **SDG 13 – Climate Action**
- **SDG 15 – Life on Land**

6. Institutional Commitment to Sustainability Education

Through its interdisciplinary curriculum and credit-based sustainability courses, Woxsen University demonstrates its commitment to integrating environmental education into higher education.

By embedding sustainability concepts across multiple academic programs, the university prepares graduates to contribute to sustainable economic growth, environmental protection, and responsible innovation.