17.4.2 Dedicated Courses and Degree Programmes Addressing Sustainability at Alexandria University

Alexandria University demonstrates its commitment to Education for Sustainable Development (ESD) through dedicated undergraduate and postgraduate courses, specialised degree programmes, and university electives addressing the environmental, social, and economic dimensions of sustainability.

According to the University's Sustainability Report for the academic year 2024–2025, 4,711 undergraduate and postgraduate courses were classified as related to the environment and sustainability, representing approximately 34% of the 13,852 courses offered at the main university.

Dedicated academic programmes include Environmental Studies, Environment and Energy, Sustainable Land Management, Environmental Engineering, and the newly established International Dual Master's Programme in Sustainable Blue Economy and Management of Coastal Resources.

In addition, Alexandria University offers sustainability-related courses covering renewable energy, environmental management, climate change, biodiversity, natural resources, water management, and sustainable agriculture.

Of particular significance is the university elective **Man and Environment**, which addresses the Sustainable Development Goals, climate change, environmental footprints, biodiversity, waste management, and recycling. Its availability to students from different faculties demonstrates the University's efforts to extend sustainability education beyond specialised environmental disciplines.

Collectively, these academic offerings demonstrate Alexandria University's institutional commitment to equipping students with the knowledge and competencies required to address sustainability challenges and contribute to the achievement of the United Nations Sustainable Development Goals.

Evidence document	**What it establishes**
2024–2025 Sustainability Report	University-wide course statistics and the new Sustainable Blue Economy MSc
University Sustainability Courses Evidence	The Man and Environment university elective and sustainability courses
Faculty of Agriculture – Postgraduate Programmes	MSc in Sustainable Land Management
Environment and Energy MSc Curriculum	Core and elective courses, credit hours and programme objectives
SDG 17 – 2024–2025 Evidence	University reporting on courses and degrees related to the SDGs

1.

2. **Sustainable Agriculture – Faculty of Agriculture**

Students demonstrate a vertical hydroponic farming system, illustrating applied learning in sustainable food production and resource-efficient agriculture.



3. **Marine Sciences – Faculty of Science**

Alexandria University marine science students participate in a field visit to Lake Mariout, demonstrating field-based education relevant to aquatic ecosystems and environmental monitoring.



4. **Protected Agriculture – Practical Training**

Students and academic staff at Alexandria University's Saba Pasha Faculty of Agriculture undertake greenhouse-based training, linking agricultural education with practical production techniques.



5. **. Water Treatment and Environmental Science – Faculty of Science**

Students visit a water treatment facility, connecting academic studies with operational water purification and management practices.

