

IBRAHIM BARRE UNIVERSITY

DEPARTMENT OF ENVIRONMENTAL SCIENCE



2025-2030 DEPARTMENT OF ENVIRONMENTAL SCIENCE CURRICULUM



Our Programs

1. Educational Initiatives:

- Various teaching programs, workshops, and seminars were conducted to improve students' knowledge and skill sets.

2. Fieldwork and Practical Experience:

Students engaged in hands-on training through field visits and practical environmental activities, providing valuable real-world experience.

3. Community Engagement:

The Department of Environmental Science organized outreach programs to foster environmental awareness and promote sustainability within local communities.





MISSION



VISION

OUR VISION

To become a leading center of excellence in Environmental Science education, research, and innovation, driving sustainable solutions to environmental challenges in Somaliland and beyond.



OUR MISSION

To educate and empower future environmental leaders by providing high-quality, practical, and research-driven education in Environmental Science. We aim to equip graduates with the skills, knowledge, and tools needed to address pressing environmental issues, promote public health, and advocate for sustainable environmental recovery. Also, Climate Change Adaptation and Mitigation, particularly in the context of recurrent droughts in Somaliland.

Goals

1. ACADEMIC EXCELLENCE
2. CAPACITY BUILDING
3. CLIMATE CHANGE RESILIENCE
4. COMMUNITY ENGAGEMENT
5. INNOVATION AND RESEARCH
6. SUSTAINABILITY



Dean, Dept. of Environmental
Science

ABDIRAHMAN MOHAMED ABDILLAH
BA, MSc

WWW.IBARREUNIVERSITY.COM

CREDIT HOURS

To earn the Bachelor's degree in Environmental Science, students are required to complete a total credit hours between **450-540 hours**.

Each credit hour represent **10 hours** of academic effort, which includes **lectures, practical works, Assessments, and self-study**. Successfully achieving these credit hours ensures that students met the rigorous academic and professional standards set for the program.

Accreditation Stenders *FOR EXCELLENCE*



The institution of
environmental sciences



**National Commission
for Higher Education**

WHY ENVIRONMENTAL SCIENCE?

Nowadays, the growing consumerism and urbanization trends have pushed the country over the edge, making it vulnerable to climate change, climatic shocks including long droughts, floods, and unpredictable rains.

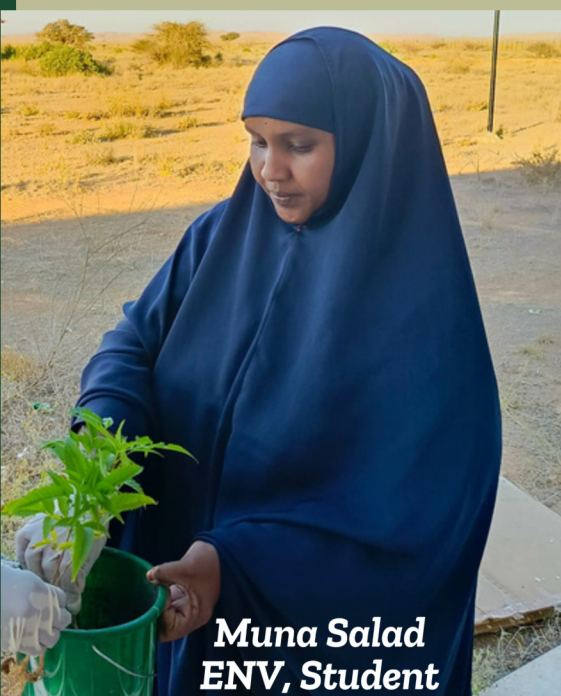
SOLUTION

Furthermore, persistent environmental degradation activities, the underestimation of the future climatic shocks, and the lack of awareness have been the main motives behind offering the Environmental Science programme at Ibrahim Barre University to mitigate future environmental catastrophes and protect what is left of the nature.

Students Achievements



- Second year Students at Ibrahim Barre University Dept of ENV SCIENCE are actively engaged in a practical session for their Plant Taxonomy course, carefully collecting, pressing, and preserving plant specimens to create a Herbarium. This hands-on experience enhances their understanding of plant identification, classification, and conservation."



Muna Salad
ENV, Student



Mohamud Abdillahi
ENV, Student



Hamda Ismail
ENV, Student



"Shaping a Sustainable Future: Environmental Science Students Designing a Waste Management Structure plan."

"Environmental Science students
engage in a home composting project,
promoting sustainable waste
management and plant growth."



Adan Dhiilood
ENV, Student



Abdifatah Mirre
ENV, Student



Kaltun Aden
ENV, Student

IBRAHIM BARRE UNIVERSITY

**FIELDWORK AND PRACTICAL
EXPERIENCE**



Mohamed Hussein
ENV, Student

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Curriculum courses

ENVIRONMENTAL SCIENCE

1

COURSE NAME
Introduction to Environmental Science
Sustainable Environmental Management
Basic Grammar & Vocabulary 1
Office Application

2

COURSE NAME
Environmental Biology and Ecology
Renewable Energy Resources
Physical Environment
Environmental Chemistry
Academic writing skills 1

ELECTIVE COURSE

YEAR ONE

COURSE NAME
Environmental Economics
Basics of Climatology
Rangeland and Wildlife management



3



COURSE NAME
Air pollution Control
Environmental Waste Management
Plant Taxonomy
Communication skills
Fieldwork Module

COURSE NAME
Environmental Impact Assessment (EIA)
Research Methodology and Presentation technique
Geographic information system (GIS)
Climate Change and Adaptation Strategy
Academic Reading Skill

4

ELECTIVE COURSE YEAR TWO

COURSE NAME
Natural resource management
Seminar in Professional Development in Environmental Science
Groundwater pollution and control

COURSE NAME

Soil Science

Water Resource Management

Organic Chemistry and Laboratory
(Advanced Lab Techniques).

Biostatistics

Terrestrial and Aquatic ecosystems.

Academic writing and Skills 3

5



6

COURSE NAME

Environmental law and ethics

Epidemiology and Risk Assessment

Environmental health and sanitation

Biodiversity conservation

Final Project

ELECTIVE COURSE

YEAR THREE

COURSE NAME

Remote Sensing

Soil and Water Conservation

Fundamental Toxicology

Physical Environment

IBRAHIM BARRE UNIVERSITY

DEPARTMENT OF ENVIRONMENTAL SCIENCE



Some of Environmental Science Students
"SUSTAINING NATURE, SECURING THE FUTURE."

Enroll

Now!



+252 (0) 63/65 4243952



info@ibarreuniversity.net



Gar-adag Sanag Somaliland

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