



BAHRIA SCHOOL OF Maritime & Applied Sciences (BSMAS)

Karachi, Pakistan

Overview

The importance of the maritime sector can be understood by the fact that the 1000 km long coastline and the 290,000 sq km of maritime area promise Pakistan invaluable untapped and unexplored hydrocarbon reserves, minerals, fish stocks, and other marine resources and a future hub of International maritime trade & logistics. This stretched coastline and the significant width of the maritime area have become immensely important because of the geostrategic location of Pakistan. Pakistan can convert its vast maritime area into an epicenter of the blue economy in the region.

Since no other university in Pakistan offers maritime subjects at graduate, undergraduate and postgraduate levels, hence, naturally there is a gap as well as the need for studying these disciplines for capacity building in the maritime domain. Obligation under Sustainable Development Goal 13, 14, and 15 – Environment, Ocean sustainability, and climate change-related projects in the maritime area need trained manpower in the Maritime related disciplines. It cannot be overemphasized that the study of these subjects will allow students to develop and enhance their knowledge and skills according to the latest trends as well as the future requirement of the country.



Academic Services

Department of Earth & Environmental Sciences:

Earth and Environmental Sciences investigate how people, climate change, natural resources, and geographic zones interact on Earth. Hydrogeology, hydrochemistry, geochemistry, geophysics, engineering geology, climate change, natural resources management, environmental geography, and soil science are taught by experts. Our undergraduate and graduate programs use this multi-disciplinary, systems-based approach to integrate, synthesize, and apply scientific knowledge to social issues.

Programs Offered:

- BS Environmental Sciences
- BS Remote Sensing & GIS
- MS Environmental Sciences

Department of Maritime & Applied Sciences:

The Department of Maritime Sciences at Bahria University produces skilled human capital and maritime industry knowledge. This effort promotes the Blue Economy and addresses maritime HR issues. Given the marine field's future, specialized maritime education will assist graduates find jobs and contribute to the maritime sector domestically and internationally.

Programs Offered:

- BS (Maritime Business & Management)
- BS (Coastal & Marine Sciences)
- MS (Maritime Ports & Shipping Management)

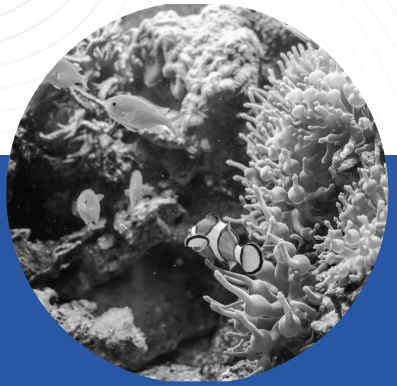




Key Services

The Key Service BSMAS provides are the following:

- Specialized environmental consultancy services to industries, businesses, and government agencies.
- Leveraging our faculty's expertise in fields such as geophysical exploration, climate studies, geological processes, GIS and environmental sustainability.
- Provide tailored solutions for issues related to groundwater, land use planning, environmental impact assessments, and sustainable resource management.
- Provide Testing services for Port Authorities recruitment drives for Technical and financial Positions.
- The available facilities are Specialized Digital Geophysical Lab, Geochemistry Lab, Geological Lab, Geophysical Equipment (Resistivity, Seismic, Magnetic) and Geographical Information System (GIS) Lab.







Industry - Academia Partnerships

Bahria University has a number of agreements with International Universities for the development of Maritime and Environmental Sciences at Bahria University Karachi Campus. Some of the main universities are:

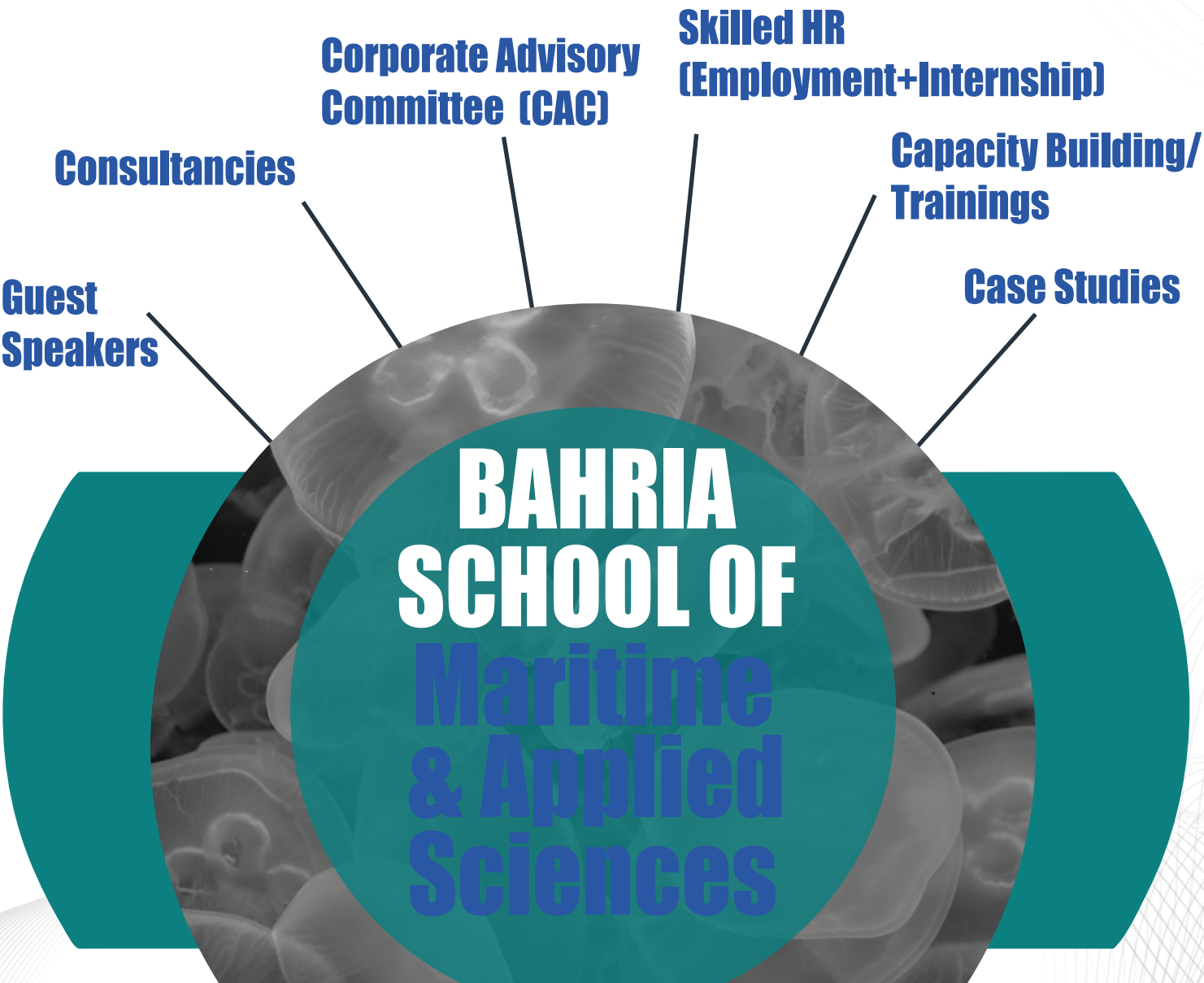
- Dalian Maritime University
- Amsterdam University of Applied Sciences
- Huang Tau University, Indonesia
- MoU between BUKC, Pakistan Tanners Association (PTA) and UNIDO-GEF
- US-Pakistan University Partnership Project Titled “Developing the Next Generation of Female Environmentalists”

Corporate Advisory Committee (CAC)

The Corporate Advisory Council has some of the leading professional, industrialists and members of corporate sector and regularly provide guidance regarding the market trends and also reviews roadmaps of different undergraduate and graduate programs to align with the international obligations such as Sustainable Development Goals. The Corporate Advisory Council also facilitate in providing avenues for the students in their internships and job opportunities in the relevant maritime and environmental sector.



Avenues of Collaboration



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