

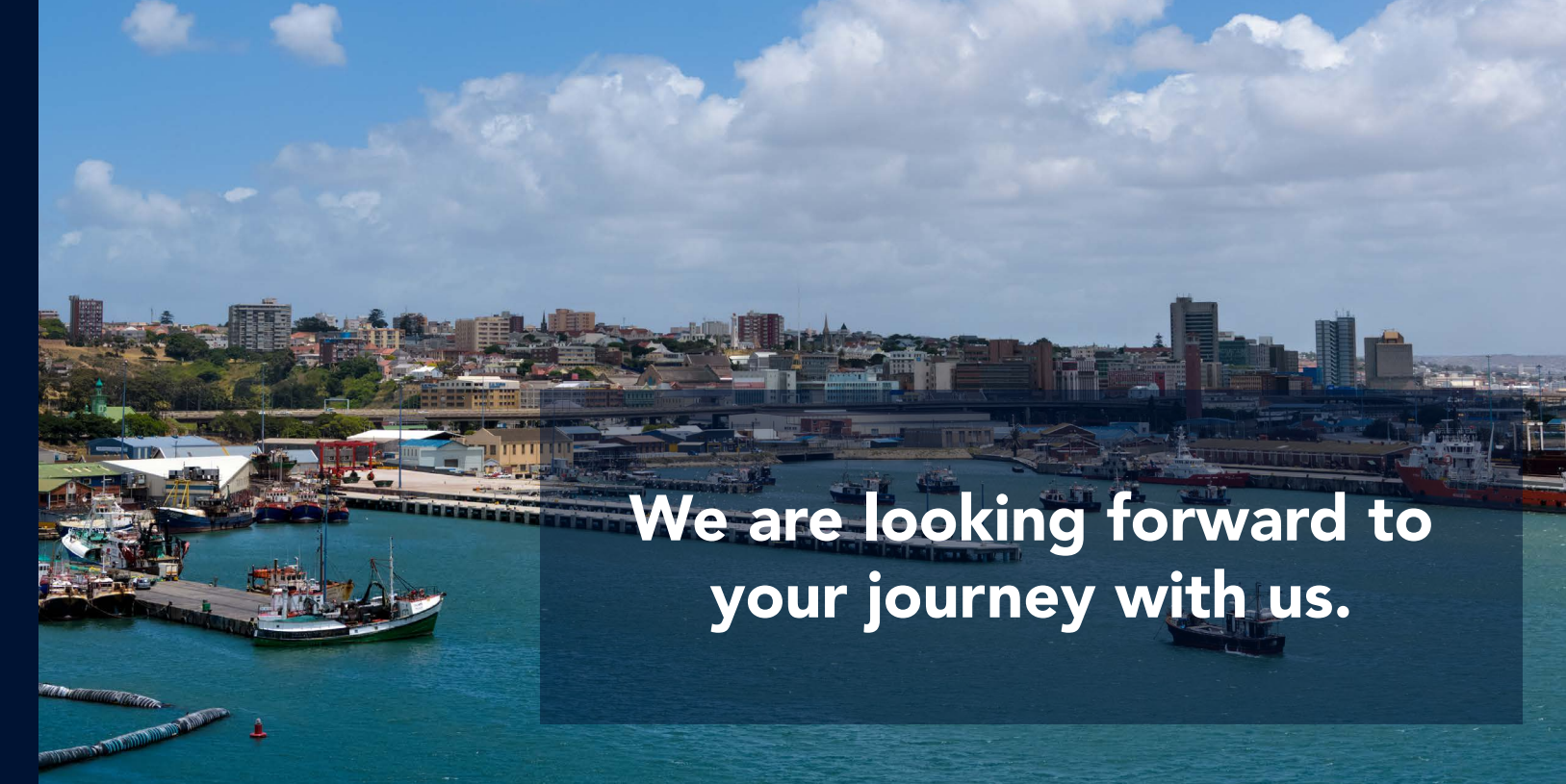
CHARTING A SUSTAINABLE FUTURE

With South Africa's coastline spanning approximately 3000km and bordered by three oceans, Nelson Mandela University is proudly shaping a sustainable future through its bold leadership in Ocean Sciences. As the only university in South Africa with a dedicated Ocean Sciences Campus, we are turning the tide for a better world.

Launched in 2017, our Ocean Sciences Campus is a vibrant hub where postgraduate learning, transdisciplinary research and innovation, and real-world impact converge. Ocean Sciences is a transversal priority of the University that sets the institution apart as a strategic differentiator within a diverse higher education landscape nationally and globally.



NELSON MANDELA
UNIVERSITY



We are looking forward to your journey with us.

Key Transversal Areas

- Supporting sustainable coastal livelihoods through knowledge and innovation.
- Harnessing the potential of ocean resources to facilitate sustainable economic growth.
- Preserving ecological integrity and rich marine biodiversity.

The University is actively contributing to the United Nations Sustainable Development Goal 14 (Life Below Water) by tackling global challenges such as inequality, unemployment, poverty, and climate change through humanising learning and teaching, impactful research, innovation and internationalisation, and transformative engagement.



GROWING AFRICA'S
BLUE ECONOMY
for a Green Future

Striving for Excellence in Ocean Sciences

Connect with us

Ocean Sciences Project Office

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Location

Ocean Sciences Campus
Nelson Mandela University
Gomery Avenue
Summerstrand, Gqeberha (formerly Port Elizabeth)
Eastern Cape, 6001
South Africa

Social Media Links

Instagram: <https://www.instagram.com/oceansciences.mandela/#>

LinkedIn: https://www.linkedin.com/company/ocean-sciences/?lipi=urn%3Ali%3Apage%3Ad_flagship3_search_srp_all%3BKDphUaYWTWK6zHlUWFaNO%3D%3D

Facebook: <https://www.facebook.com/profile>.

Website: <https://oceansciences-new.mandela.ac.za/>



Qualifications offered

Currently, ocean sciences qualifications are offered by various faculties and entities at the University. Over and above these qualifications, various short learning programmes are also offered to address different aspects of ocean sciences.

FACULTY OF BUSINESS AND ECONOMIC SCIENCES

- Postgraduate Diploma in Maritime Studies
- Master of Philosophy in Maritime Studies
- Master of Maritime Management

FACULTY OF ENGINEERING, THE BUILT ENVIRONMENT AND TECHNOLOGY

- Bachelor of Engineering Technology in Marine Engineering
- Bachelor of Engineering Technology Honours in Marine Engineering

FACULTY OF SCIENCE

- Bachelor of Science
- Bachelor of Science Honours in Botany
- Bachelor of Science Honours in Zoology
- Master of Science in Botany
- Master of Science in Zoology
- Master of Science in Oceanography
- Doctor of Philosophy in Botany
- Doctor of Philosophy in Zoology
- Doctor of Philosophy in Oceanography

FACULTY OF LAW

- Higher Certificate in Law Enforcement
- Diploma in Law Enforcement
- Bachelor of Laws
- Master of Laws in Ocean Governance
- Doctor of Laws in Public Law

Research Chairs in Ocean Sciences

Marine Spatial Planning

- Supports marine conversation and policy with applied research.
- Focuses on sustainable ocean use through ecosystem-based planning.



Law of the Sea and Development in Africa

- Advances African ocean governance and maritime law.
- Leads research against fisheries crime through the FishFORCE and PescaDOLUS network.



Ocean Cultures and Heritage

- Explores and documents cultures and traditions of coastal communities depending on the ocean for their livelihoods.
- Advances national and global knowledge of diverse ocean cultures and heritages nationally, on the African continent, and selected regions of the world.



Shallow Water Ecosystems

- Researches estuarine and blue carbon ecosystems under climate pressure.
- Supports ecological restoration, sustainable use, and rehabilitation of water resources in South Africa.



Ocean Sciences and Marine Food Security – UK-SA Chair

- Studies sustainable marine food systems particularly in the Western Indian Ocean.
- Strengthens marine food security through ecological and fisheries research.



Research & engagement entities

South African International Maritime Institute (SAIMI)

- A national hub linking government, industry, civil society, and the education and training sectors.
- Leads maritime skills development, research and policy advocacy nationally.



Institute for Coastal and Marine Research (CMR)

- A transdisciplinary research entity addressing coastal and marine sustainability.
- Focuses on enhancing knowledge and capacity in coastal and marine environments for sustainable development locally and globally.



South African Environmental Observation Network (SAEON)

- The Elwandle Node in Gqeberha supports coastal research and innovative data management and modelling.
- A national facility focused on monitoring environmental change and ecosystems.



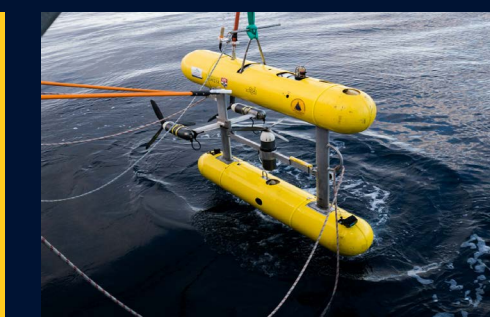
FishFORCE

- South African's first Fisheries Law Enforcement Academy.
- Trains law enforcement agencies across Africa and globally to combat complex fisheries crime.



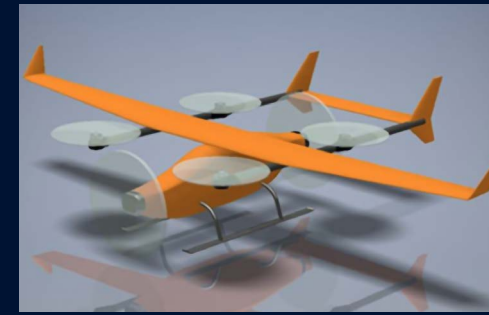
Marine Robotics Unit (MRU)

- Supports cross-faculty research in the Western Indian Ocean.
- Develops and deploys robots like autonomous underwater vessels and gliders for research and drives innovation in marine technologies.



MandelaUni Autonomous Operations Group (MAO)

- Offers research and development opportunities on autonomous systems, such as airborne and underwater drone technology.
- Focuses on remotely piloted aircraft systems that include Unmanned Aerial Vehicles.



African Centre for Coastal Palaeoscience (ACCP)

- Focuses on the ancient coastal environment and conducts interdisciplinary palaeoenvironmental studies on human origins, ancient ecosystems, and fossil records to understand the development of life and the human lineage.



PVinsight

- An accredited laboratory that tests and verifies the quality and performance of solar panels to ensure they meet international standards.
- Focuses on ensuring reliable, efficient, and sustainable solar energy systems through quality assurance and technical excellence.

