

Knowledge Base

Undergraduate and Postgraduate Taught Courses In Marine Science and Technology		
Please note: the following information has been gathered by IACMST, which apologizes in advance for any errors and will be grateful for notification of any changes/additions/omissions required.		
Name and web link	Undergraduate	Postgraduate (taught)
University of Aberdeen http://www.abdn.ac.uk <i>See also:</i> http://www.abdn.ac.uk/aicsm/	Geology and Petroleum Geology/Geoscience Marine Biology Marine Resource Management	Energy Futures (oil and gas) Integrated Petroleum Geoscience Marine and Fisheries Science Oil and Gas Enterprise Management Oil and Gas Law Project Management in Oil Industry
University of Abertay Dundee http://www.abertay.ac.uk/	Natural Resources Management	Water Pollution Control
Anglia Ruskin University http://www.anglia.ac.uk/	Marine Biology	
University of Birmingham http://www.bham.ac.uk		Applied Meteorology and Climatology Earth Sciences
Blackpool and The Fylde College http://www.blackpool.ac.uk	Nautical Science	
Bournemouth University http://www.bournemouth.ac.uk	Environment and Coastal Management Marine Archaeology Marine Leisure Management	
University of Bristol http://www.bris.ac.uk <i>See also:</i> http://www.maths.bris.ac.uk/	Environmental Geoscience	Environmental Geoscience
University of Cambridge http://www.cam.ac.uk	Land Economy Natural Sciences	Earth Sciences and Geography
University of Cardiff http://www.cardiff.ac.uk	Earth Science Marine Geography	Geoenvironmental Engineering Marine Policy Port and Shipping Administration

University of Chester http://www.chester.ac.uk	Natural Hazard Management	
Coventry University http://www.coventry.ac.uk	Boat Design Geography and Natural Hazards	Environment and Climate Change
Cranford University http://www.cranfield.ac.uk		Offshore and Ocean Technology with options in: Diving Science and Technology Materials Engineering Offshore Renewable Energy Offshore Risk Management Pipeline Engineering Subsea Engineering
De Montford University http://www.dmu.ac.uk		Climate Change & Sustainable Development Environmental Law
University of Derby http://www.derby.ac.uk	Applied Earth Sciences Earth Systems Science Global Hazards	Applied Petroleum Geoscience
University of Dundee http://www.dundee.ac.uk	Renewable Energy	Energy, Petroleum and Mineral Law and Policy Remote Sensing, Image Processing and Applications Renewable Energy and Environmental Modelling
Durham University http://www.dur.ac.uk	Earth Sciences Natural Sciences	Environmental Engineering New and Renewable Energy
University of East Anglia http://www.uea.ac.uk	Environmental Earth Sciences Geophysical Sciences Natural Sciences	Environmental Sciences
University of East London http://www.uel.ac.uk	Geographical Information Science Surveying and Mapping Sciences	Pipeline Technology and Network Management
University of Edinburgh http://www.ed.ac.uk	Environmental Geoscience Geophysics and Meteorology	Geographical Information Science Geoscience and Remote Sensing Geoscience for Subsurface Exploration Quantitative Earth Observation Remote Sensing and Image Processing

University of Essex http://www.essex.ac.uk <i>See also:</i> http://www.essex.ac.uk/bs/crru/index.htm	Marine and Freshwater Biology	
University of Exeter http://www.exeter.ac.uk	Conservation Biology and Geography Engineering Geology and Geotechnics Applied Geology	Climate Change and Risk Management Maritime History Naval History
University of Glamorgan http://www.glam.ac.uk		Conservation and GIS
University of Glasgow http://www.glasgow.ac.uk <i>See also:</i> http://www.eng.gla.ac.uk/marine/index.htm	Nautical Science Naval Architecture	Marine Engineering Marine Technology Technical Management of Ship Operations
University of Greenwich http://www.gre.ac.uk	Global Information Systems combined degrees Marine Engineering Technology	GIS/Remote Sensing Marine Engineering Management Maritime History Maritime Management Maritime Policy
Heriot Watt University http://www.hw.ac.uk	Applied Marine Biology	
University of Hull http://www.hull.ac.uk	Coastal Marine Biology	Estuarine and Coastal Science and Management Fisheries and Aquatic Resource Management GIS and Environmental Modelling Global Aquatic Biodiversity Marine History Marine Security
Imperial College http://www.imperial.ac.uk <i>See also (via Imperial website):</i> London Centre for Marine Technology Centre for Climate Change Research	Environmental Geosciences Geosciences Geophysics	Earth Science and Engineering Environmental Engineering Environmental Geotechnics Environmental Technology Petroleum Engineering Petroleum Geoscience Sustainable Energy Futures

Keele University http://www.keele.ac.uk <i>See also:</i> http://www.keele.ac.uk/depts/ma/gfd	Applied Environmental Science Earth System Science	
Kings College London http://www.kcl.ac.uk <i>See also:</i> http://www.kcl.ac.uk/ip/anthonywilliam/laf/umbs.htm	Developmental Geography	Aquatic Resource Management
Kingston University http://www.kingston.ac.uk	Environmental Hazards and Disaster Management GIS Marine and Freshwater Biology	Applied GIS Environmental and Earth Resources Management Hazards and Disaster Management
Lancaster University http://www.lancs.ac.uk <i>See also:</i> http://www.lec.lancs.ac.uk	Environmental Chemistry Natural Sciences	Ecology and the Environment Environmental: - Biotechnology - Informatics - Modelling and Forecasting - Pollution and Protection Science of the Environment
University of Leeds http://www.leeds.ac.uk	Earth Sciences	Earth, Energy and Environment Environmental Geochemistry GIS Global Change and the Biosphere Physics of Earth and Atmosphere Structural Geology with Geophysics
University of Leicester http://www.le.ac.uk	Applied and Environmental Geology	Applied and Environmental Geology Environmental Informatics GIS
University of Lincoln http://www.lincoln.ac.uk		Coastal and Marine Tourism
University of Liverpool http://www.liv.ac.uk <i>See also (via Liverpool website):</i> Marine and Fresh Water Biology Research Group Port Erin Marine Laboratory Proudman Oceanographic Laboratory	Chemistry with Oceanography Marine Biology Mathematics with Ocean and Climate Studies Oceanography with Chemistry Oceans and Earth Sciences Oceans and Climate Oceans, Climate and Physical Geography Physics with Ocean and Climate Studies	Civil and Maritime Engineering Environment and Climate Change Modelling and Integrated Management of Water in the Natural Environment

<p>Liverpool John Moores University http://www.ljmu.ac.uk <i>See also:</i> http://www.ljmu.ac.uk/maritime</p>	<p>Hazards and Geoscience Marine Operations Maritime Business and Leisure Maritime Business and Management Maritime Studies Mechanical and Marine Engineering Nautical Science Navigation and Marine Technology</p>	<p>Biological and Earth Sciences Marine Engineering and Technology Marine and Offshore Engineering Maritime Operations Maritime Studies Water, Energy and the Environment</p>
<p>London South Bank University http://www.lsbu.ac.uk</p>	<p>Petroleum Engineering</p>	
<p>Loughborough University http://www.lboro.ac.uk</p>	<p>Chemical Engineering with Environmental Protection</p>	<p>Analytical Chemistry and Environmental Science Environmental Monitoring for Management Mathematical Processes in the Environment</p>
<p>University of Manchester http://www.manchester.ac.uk</p>	<p>Environmental and Resource Geology Geochemistry Petroleum Engineering</p>	<p>Earth Sciences Petroleum Engineering Petroleum Geoscience Petroleum Geoscience and Business Studies</p>
<p>Middlesex University http://www.mdx.ac.uk <i>See also:</i> http://www.fhrc.mdx.ac.uk/</p>		
<p>Napier University http://www.napier.ac.uk</p>	<p>Ecotourism Marine and Freshwater Biology</p>	<p>Aquatic Ecosystem Management Ecotourism</p>

<p>Newcastle University http://www.ncl.ac.uk <i>See also:</i> http://www.ncl.ac.uk/marine/</p>	<p>GIS Marine Biology Marine Engineering Marine Environmental Engineering Marine Technology Naval Architecture Offshore Engineering Small Craft Technology Surveying and Mapping</p>	<p>Biodiversity, Conservation and Ecotourism Environmental Biogeochemistry Geoscience of Subsurface Exploration, Appraisal and Development Marine and Offshore Power Systems Marine Electrical Power Technology Marine Engineering Marine Structures and Integrity Marine Technology Marine Transport with Management Naval Architecture Offshore Engineering Offshore Environmental Technology Petroleum Geochemistry Pipeline Engineering Technology in Marine Environment Tropical Coastal Management</p>
<p>University of Nottingham http://www.nottingham.ac.uk</p>	<p>Environmental Biology Environmental Engineering Geography, Business and the Environment</p>	<p>Environmental Management and Earth Observation Geodetic Surveying GIS Navigation Technology Petroleum and Environmental Process Engineering Satellite Positioning Technology Underwater Archaeology</p>
<p>University of Oxford http://www.ox.ac.uk</p>	<p>Earth Sciences</p>	<p>Atmospheric, Oceanic and Planetary Physics Earth Sciences</p>

<p>University of Plymouth http://www.plymouth.ac.uk</p>	<p>Applied Biosciences (Aquaculture) Applied Marine Sports Science Civil and Coastal Engineering Cruise Operations Management Environmental Science (Marine Conservation) Geography with Ocean Science Geology with Ocean Science Marine and Composites Technology Marine Biology Marine Biology and Coastal Ecology Marine Biology and Oceanography Marine Geoscience Marine Sports Technology Marine Studies (Merchant Shipping) Marine Studies (Navigation) Marine Studies (Ocean Yachting) Marine Technology Maritime Business and Logistics Maritime Business and Maritime Law Maritime Business with French Maritime Business with German Maritime Business with Modern Languages Maritime Business with Navigation Maritime Business with Spanish Ocean Exploration Ocean Science Shipping and Logistics</p>	<p>Applied Fish Biology Applied Marine Science Civil and Coastal Engineering Coastal and Ocean Policy Coastal Engineering Earth System Analysis Flood Risk Geomatics Hydrography International Shipping Marine Biology Marine Geosciences Port Management</p>
<p>University of Portsmouth http://www.port.ac.uk</p>	<p>Engineering Geology and Geotechnics Environmental Biology GIS Marine Biology Marine Biology with Polluted Ecosystems Marine Environmental Science Marine Sports Technology Water Sports Science</p>	<p>Coastal and Marine Resource Management GIS Marine Resource Economics Maritime Studies</p>

Queen Mary, University of London http://www.qmul.ac.uk	Environmental Biology Marine and Freshwater Biology Natural Sciences	Freshwater and Coastal Sciences Marine Ecology and Environmental Management
Queen's University Belfast http://www.qub.ac.uk <i>See also:</i> http://www.qub.ac.uk/bb/cmar/ http://www.quercus.ac.uk	Marine Biology	
University of Reading http://www.reading.ac.uk	Environmental Science – Earth and Atmospheric Meteorology Natural Sciences	Applied Meteorology Mathematical and Numerical Modelling of the Atmosphere and Oceans
University of Salford http://www.salford.ac.uk	Aquatic Sciences Watersport Leisure Management	Applied GIS and Remote Sensing GIS
University of Southampton http://www.soton.ac.uk <i>See also:</i> http://www.noc.soton.ac.uk http://www.ship.ses.soton.ac.uk	Biology with Oceanography Chemistry with Ocean and Earth Sciences Geography with Oceanography Geology with Marine Biology Geology with Oceanography Marine Biology Marine Biology with Oceanography Ocean and Earth System Science Ocean Chemistry Ocean Physics Oceanography Oceanography with French Oceanography with Geology Oceanography with Physical Geography Ship Science Ship Science (Advanced Materials) Ship Science (Engineering Management) Ship Science (Interdisciplinary) Ship Science (Marine Systems Engineering) Ship Science (Naval Architecture) Ship Science (Yacht and Small Craft)	Chemistry with Ocean and Earth Sciences Engineering in the Coastal Environment Geo-Information Science and Earth Observation for Environmental Modelling and Management GIS Marine Geology and Geophysics Marine Technology Maritime Archaeology Maritime Engineering Science Ocean and Earth Science Oceanography Ocean Remote Sensing Ocean Science Operational Oceanography Remote Sensing and Spatial Analysis

<p>Southampton Solent University http://www.solent.ac.uk <i>See also:</i> http://www.warsashacademy.co.uk</p>	<p>Geography with Marine Studies Maritime Business Merchant Ship Operations Ship and Port Management Shipping and Marine Environment Tourism Management with Cruise and Travel Operations Watersports Studies and Management Yacht and Powercraft Design Yacht Production and Surveying</p>	<p>International Maritime Studies – Ship and Shipping Management International Maritime Studies – Shipping, Ports and Environment</p>
<p>University of St Andrews http://www.st-andrews.ac.uk <i>See also:</i> http://biology.st-andrews.ac.uk/gatty/home.html</p>	<p>Marine Biology</p>	<p>Marine Mammal Science</p>
<p>Staffordshire University http://www.staffs.ac.uk</p>	<p>Animal Biology and Conservation</p>	
<p>University of Stirling http://www.stir.ac.uk <i>See also:</i> http://www.aquaculture.stir.ac.uk</p>	<p>Aquaculture Marine Biology</p>	<p>Aquaculture Aquatic Pathobiology Aquatic Resource Development Aquatic Veterinary Studies River Basin Management</p>
<p>University of Strathclyde http://www.strath.ac.uk</p>	<p>Nautical Science Naval Architecture Naval Architecture and Marine Engineering Naval Architecture with Ocean Engineering Naval Architecture with Small Craft Engineering</p>	<p>Marine Engineering Marine Technology Technical Management of Ship Operations</p>
<p>University Campus Suffolk http://www.ucs.ac.uk</p>	<p>Marine and Coastal Conservation Species and Ecosystem Conservation</p>	
<p>University of Ulster http://www.ulster.ac.uk <i>See also:</i> http://www.science.ulster.ac.uk/esri/</p>	<p>Marine Science</p>	<p>Coastal Zone Management GIS Maritime Archaeology</p>

University College London http://www.ucl.ac.uk	GeoSpatial and Environmental Information Management (Geomatic Engineering) Naval Architecture and Marine Engineering	GeoSpatial and Environmental Information Management (Geomatic Engineering) GIS Hydrographic Surveying Naval Architecture and Marine Engineering Photogrammetry with Remote Sensing Remote Sensing
University of Wales, Aberystwyth http://www.aber.ac.uk	Marine and Freshwater Biology	GIS/Remote Sensing River Basin Dynamics and Management
University of Wales, Bangor http://www.bangor.ac.uk	Applied Marine Biology Applied Terrestrial and Marine Ecology Coastal Geography Environmental Forensics Geological Oceanography Marine Biology Marine Biology and Oceanography Marine Biology and Zoology Marine Chemistry Marine Environmental Studies Marine Vertebrate Zoology Oceanography and Computing Ocean Science Zoology with Marine Zoology	Applied Marine Geoscience Applied Physical Oceanography Marine Biology Marine Environment Protection Ocean Sciences Shellfish Biology, Fisheries and Culture
University of Wales, Swansea http://www.swansea.ac.uk	Genetics and Marine Biology Marine Biology	Aquaculture and the Environment International Commercial and Maritime Law International Maritime Law
University of the West of England http://www.uwe.ac.uk	River and Coastal Engineering	
University of York http://www.york.ac.uk		Marine Environmental Management

Profiles

The profiles (below) of individuals linked to IACMST give an idea of the different routes into marine science and technology and affiliated areas.

Trevor Guymer

Inter-Agency Committee on Marine Science and Technology

Trevor is currently responsible for the Inter-Agency Committee on Marine Science and Technology, which provides a focus for interaction between Government departments and agencies interested in the seas. He also leads the UK's input to the Intergovernmental Oceanographic Commission of UNESCO, including GOOS, and chairs the UK Argo Expert Group. A Fellow of the Royal Meteorological Society, he has served on its Council for two terms. For eight years prior to taking up this appointment in 2003, he was Head of the NERC's Ocean Circulation and Climate Division at the National Oceanography Centre, Southampton which combined modelling with observation of the ocean both *in situ* and from space. He did a first degree in Physics at Surrey and followed with a MSc in Meteorology at Imperial. His career started as a research meteorologist, initially at Imperial College and then at IOS, Wormley where he was part of the team planning the Joint Air-Sea Interaction experiment in the 1970s. This led to a strong involvement in the planning and exploitation of oceanographic satellite missions including ERS-1 and Topex/Poseidon. He has participated in research cruises in the North Atlantic, Mediterranean, North Sea and Southern Ocean. His present research interests include the estimation of rainfall from space and by underwater acoustic techniques. He has authored or co-authored over 100 publications, over 30 being in refereed journals.

Gaynor Evans

UK Marine Environmental Data Network

Gaynor's undergraduate degree was in biology and anthropology and initially she wanted to become a primatologist but decided the discomfort of sitting in a jungle and watching apes wasn't really for her! Gaynor then went on to study for a PhD in aquatic ecology, examining the impact of raised levels of nutrients on river algae. Following this, she moved into oceanography and took up a postdoctoral research post looking at temporal changes in nutrients in the Irish Sea and is now based in Liverpool.