



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)



CENTRE FOR CLIMATE CHANGE STUDIES

www.centreforclimatechangestudies.com

Introducing a unique course for Marine Biology enthusiasts



Course begins in July 2021

Register here

<https://forms.gle/zDywGtLxi8p9K2P29>

B.Sc in Marine Biology

Admissions open



Certificate Course on Marine Biology and Climate Change (MBCC) January to March 2021



Field course on Intertidal Ecology and Climate Change (IECC) February 2020



Course overview

This 3-year B.Sc Research degree course will provide range of marine science-based modules across the multidisciplinary areas of physical, chemical, and biological oceanography allowing the students to develop a deep understanding of the marine living resources, associated ecosystems and their interactions. It is a rigorous field and laboratory-based course that engages students more directly in the discovery process, data analysis and interpretation.

Thrust areas

Tropical Marine Biodiversity, Marine Ecology and Evolutionary Biology, Marine Biotechnology, Marine Genomics and Bioinformatics, Ecological Monitoring and Conservation (Law and Policy), Marine Pollution, Physical And Chemical Oceanography, Environmental Impact Assessment, Citizen Science, Sustainable Fisheries Management and Coastal Aquaculture, Climate Change.

Eligibility criteria

- Students must have passed the H.S.C (10+2) examination with a minimum of 60% marks or cumulative grade point average of 6/10. Mandatory subjects are Physics, Chemistry, Biology or/and Mathematics.
- Students should be passionate towards nature, ocean and interested to take up Marine Biology Research as a career.
- Students should be ready to participate/assist the Scientists in the laboratory and field-based research.
- Students should be ready to participate in expeditions in research vessels
- Students should know swimming (desirable qualification).

What students can expect?

- ✓ Students can gain deep knowledge about marine life and receive first class University education
- ✓ They can interact with subject experts and will have the access to specialized equipment's and laboratories
- ✓ Students will have the opportunity to participate in the field trips, practical activities, research expeditions and underwater surveys while visiting Sathyabama Marine Research Station at Rameswaram to build their skills
- ✓ Students will learn research ethics, how to write, communicate and publish research articles in their field of interest

Facilities at the centre

Algal culture units, Marine aquaculture set up with 10,000 ltrs seawater storage capacity, Mesocosm facility for climate change experiments, Sampling tools for field studies (Quadrats, Niskin water sampler, Grab, plankton nets, etc), SCUBA diving equipment, underwater notebook, underwater camera, Microscopes (compound, stereo zoom, fluorescence, AFM, FeSEM), Molecular Biology facilities, PCR, Microbiology lab set up, RAMAN spectroscopy, UV-VIS spectrophotometer, PAM fluorometer, lux meter, water quality sensors etc.

Centre for Climate Change Studies (CCCS) has MoU with leading research institutions and private labs in India as well as abroad.

Research projects in our centre are funded by:

Course Coordinators

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Centre for Climate Change Studies

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