

## MINOR IN AQUATIC ECOLOGY

Host Faculties:

- Faculty of Science (Department of Biological Sciences)
- Faculty of Arts and Social Sciences (Department of Geography)

The Minor in Aquatic Ecology aims to expose students to the important disciplines of marine and freshwater ecological studies while developing relevant specific skills, knowledge, and experience among them. With the increasing governmental, private, and societal interest in aquatic sciences, there is a growing demand for manpower with expertise in freshwater and/or marine ecology. This Minor complements aptly the primary disciplines of students from the Life Sciences Major and Geography Major. It will also enhance the training for students keen in related career opportunities at relevant governmental and private institutions in Singapore, including Public Utilities Board (PUB), National Environment Agency (NEA), National Parks Board (NParks), The Maritime and Port Authority of Singapore (MPA), Tropical Marine Science Institute (TMSI), DHI Group, and Singapore-Delft Water Alliance (SDWA).

**To be awarded the Minor, the following requirements are to be fulfilled:**

Module Code and Title	Pre-requisites	Modular Credits
<b>Essential Modules – Pass the following 4 modules</b>		
LSM1103 Biodiversity [To be recoded to LSM2252 Biodiversity.]	GCE 'A' Level or H2 Biology (or equivalent) or LSM1301/FC/X	4
LSM2251 Ecology and Environment	LSM1103	4
GE2229 Water and Environment	None	4
SP3203 Aquatic Ecology Research	LSM2251 or GE2229 [Module only opens to students reading this Minor.]	4
<b>Elective Modules – Pass 2 of the following modules</b> [For students reading Life Sciences Major, please select at least one non-LSM-prefixed modules.] [For students reading Bachelor of Environmental Studies, please select from GEK1548/GEH1033, LSM3264 and LSM4266.]		
GE2220 Terrestrial and Coastal Environments	None	4
GE2228 Weather and Climate	None	4
GE2215 Introduction to GIS and Remote Sensing	None	4
GE3216 Applications of GIS & Remote Sensing	GE2215	4
GE3223 Environmental Change in the Tropics	GE2220 or GE2228 or GE2229	4
GE3221 Ecological Systems	None	4
GEK1548/GEH1033 How the Ocean Works [If this is read for this Minor, it cannot be used to fulfil General Education.]	None	4
LSM3254 Ecology of Aquatic Environments	LSM2251	4
LSM3264 Environmental Biochemistry	LSM1101	4
LSM4261 Marine Biology	LSM3254	4

LSM4264 Freshwater Biology	LSM3254	4
LSM4266 Aquatic Biodiversity	LSM1103	4
<b>Total</b>		<b>24 MCs</b>

## Application

This Minor is open to undergraduate students from all disciplines. Application is required and successful entry to the Minor is subject to approval.

The application form for Minor in Aquatic Ecology is available at [http://www.lifesciences.nus.edu.sg/info/minor\\_in\\_aquatic\\_ecology.doc](http://www.lifesciences.nus.edu.sg/info/minor_in_aquatic_ecology.doc)

Please submit the application form, enclosed with applicant's CV, to Dr. Peter Todd (Department of Biological Sciences) at [dbspat@nus.edu.sg](mailto:dbspat@nus.edu.sg). For this round of application, kindly make the submission by **19<sup>th</sup> December 2016**.

For enquiry on Minor in Aquatic Ecology, you may contact the Minor Coordinator, Dr. Peter Todd ([dbspat@nus.edu.sg](mailto:dbspat@nus.edu.sg)).

The next application window will be in July 2017.