

### 3.4.3.2 Minor in Aquatic Ecology

Host Faculties:

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

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 on 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 a Minor in Aquatic Ecology, a student must pass the six modules as set out below:

1. LSM2251 Ecology and Environment
2. LSM3254 Ecology of Aquatic Environments
3. GE2229 Water and Environment
4. SP3203 Aquatic Ecology Research
5. Choose 2 from the following elective modules:  
[For students reading Life Sciences Major, please select at least one non-LSM prefixed module.]

- GE2215 Introduction to GIS and Remote Sensing
- GE2220 Terrestrial and Coastal Environments
- GE2228 Weather and Climate
- GE3216 Applications of GIS & Remote Sensing
- GE3221 Ecological Systems
- GE3223 Environmental Change in the Tropics
- GE3246 Environmental Pollution
- LSM2253 Applied Data Analysis in Ecology and Evolution
- LSM2252 Biodiversity
- LSM4257 Aquatic Vertebrate Diversity
- LSM4260 Plankton Ecology
- LSM4261 Marine Biology
- LSM4264 Freshwater Biology
- LSM4266 Aquatic Invertebrate Diversity

For Life Sciences Major students, please take note that the double-counting between Life Sciences Major and this Minor in Aquatic Ecology is up to 8MC or two modules only. Please read sufficient additional LSM modules to fulfill the two programmes.

This Minor is not awarded with a Bachelor of Environmental Studies (BES) degree from Cohort AY2016/17 and onwards.

Application is required to read this minor. For the application process and more information, please refer to [this page](#).