

# Education plan

for

**Master's Programme in Marine Biology**  
**Masterprogram i marinbiologi**

**120.0 Higher Education**  
**Credits**  
**120.0 ECTS credits**

<b>Programme code:</b>	NMARO
<b>Valid from:</b>	Autumn 2008
<b>Date of approval:</b>	2006-10-18
<b>Changed:</b>	2007-10-15
<b>Department:</b>	Department of Biology Education

## Decision

This programme syllabus has been approved by the Board of the Faculty of Science at Stockholm University.

## Prerequisites and special admittance requirements

Admittance to the program requires knowledge equivalent to a Bachelor's degree, including a minimum of 90 credits in Biology. Swedish upper secondary school course English B or equivalent or one of the following tests; Cambridge CPE och CAE: Pass. IELTS : 6.5 (with no part of the test below 5.5). TOEFL (paper based): 575 (with minimum grade 4.5 on the written test part). TOEFL (internet based): 90 (with a minimum score of 20 in the written test part).

## Programme structure

There are three main directions of the Master's Programme in Marine Biology: marine ecology, ecotoxicology and tropical marine biology.

## Goals

The main field of study is Marine Biology with the directions marine ecology, ecotoxicology and tropical marine biology. After completing the education program the student is expected to

- demonstrate knowledge and understanding in their main field of study, including both broad knowledge in the field and substantially deeper knowledge of certain parts of the field, together with deeper insight into current research and development work; and
- demonstrate deeper methodological knowledge in their main field of study.
- demonstrate an ability to critically and systematically integrate knowledge and to analyse, assess and deal with complex phenomena, issues and situations, even when limited information is available;
- demonstrate an ability to critically, independently and creatively identify and formulate issues and to plan and, using appropriate methods, carry out advanced tasks within specified time limits, so as to contribute to the development of knowledge and to evaluate this work;
- demonstrate an ability to clearly present and discuss their conclusions and the knowledge and arguments behind them, in dialogue with different groups, orally and in writing, in national and international contexts; and
- demonstrate the skill required to participate in research and development work or to work independently in other advanced contexts.
- demonstrate an ability to make assessments in their main field of study, taking into account relevant scientific, social and ethical aspects, and demonstrate an awareness of ethical aspects of research and development work;
- demonstrate insight into the potential and limitations of science, its role in society and people's responsibility for how it is used; and

- demonstrate an ability to identify their need of further knowledge and to take responsibility for developing their knowledge.

### **Courses**

Direction Ecotoxicology.

Compulsory course in the main field of study: Environmental Risk Assessment and Management SC, 15 HEC (BL8014).

Elective courses in the main field of study, at least one of the following: Aquatic Ecology SC, 15 HEC (BL8011), Marine Environmental Monitoring SC, 15 HEC (BL7010), Management of Aquatic Resources in the Tropics SC, 15 HEC (BL7018).

Degree project in Ecotoxicology 30/45/60 HEC (BL9026/BL9027/BL9028).

Optional courses 30-60 HEC.

Direction Marine Ecology.

Elective courses in the main field of study, at least two of the following: Aquatic Ecology SC, 15 HEC (BL8011), Fish and Fisheries Biology SC, 15 HEC (BL7008), Marine Environmental Monitoring SC, 15 HEC (BL7010).

Degree project in Marine Ecology 30/45/60 HEC (BL9031/BL9032/BL9033).

Optional courses 30-60 HEC.

Direction Tropical Marine Biology.

Elective courses in the main field of study, at least one of the following: Management of Aquatic Resources in the Tropics SC, 15 HEC (BL7018), Natural Resources and Society SC 15 HEC (BL7013).

Degree project in Tropical Marine Biology 45/60 HEC (BL9029/BL9030).

Optional courses 45-60 HEC.

### **Degree**

Master's degree.

### **Misc**

Students who have been admitted to the programme but not completed it during the scheduled two/three years can request to complete the program even after the programme syllabus no longer applies. In such cases, the limitations stated in the course syllabus apply.