

Faculty of Bioscience Engineering  
Master of Science in Aquaculture

Language of instruction: English

Programme version 13

## 1 General Courses

84 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	I002504 Applied Freshwater Ecology Peter Goethals -- Department of Animal Sciences and Aquatic Ecology	3		1	A:1	90
2	I002535 Applied Marine Ecology Colin Janssen -- Department of Animal Sciences and Aquatic Ecology	3		1	A:1	90
3	I003023 Basic Principles in Aquaculture Techniques Annelies Declercq -- Department of Animal Sciences and Aquatic Ecology	4		1	A:1	120
4	I003024 Lab Facility Management Annelies Declercq -- Department of Animal Sciences and Aquatic Ecology	4		1	A:1	120
5	I002787 Biology of Fishes Dominique Adriaens -- Department of Biology	4		1	A:1	120
6	I002789 Microbial Ecology and Environmental Sanitation Tom Defoirdt -- Department of Biotechnology	4		1	A:1	120
7	I001084 Technology of Fishery Products Frank Devlieghere -- Department of Food Technology, Safety and Health	3		1	A:1	75
8	I002756 Applied Statistics Louis Coussement -- Department of Data Analysis and Mathematical Modelling	5		1	A:1	150
9	I001579 Physiology of Aquatic Organisms Thomas Van Hecke -- Department of Animal Sciences and Aquatic Ecology	3		1	A:2	75
10	I000086 Algae Culture Taejun Han -- Department of Animal Sciences and Aquatic Ecology	3		1	A:2	75
11	I002794 Aquaculture Nutrition Veerle Fievez -- Department of Animal Sciences and Aquatic Ecology	5		1	A:2	150
12	I000928 Aquaculture Environmental Impact Jana Asselman -- Department of Animal Sciences and Aquatic Ecology	3		1	A:2	90
13	I003025 Advanced Aquaculture Techniques Annelies Declercq -- Department of Animal Sciences and Aquatic Ecology	6		1	A:2	180
14	I003026 Aquatic Farm Management Training Annelies Declercq -- Department of Animal Sciences and Aquatic Ecology	6		1	A:2	180
15	I002698 Water Quality Management Peter Goethals -- Department of Animal Sciences and Aquatic Ecology	4		1	A:2	120
16	I002165 Management in the Aquaculture Industry Margriet Drouillon -- Department of Animal Sciences and Aquatic Ecology	3		2	A:1	75
17	I002084 Viral Disease Management Hans Nauwynck -- Department of Translational Physiology, Infectiology and Public Health	3		2	A:1	90
18	I003027 Aquaculture Genetics Annelies Declercq -- Department of Animal Sciences and Aquatic Ecology	5		2	A:1	150
19	I002796 Diseases in Aquaculture Annelies Declercq -- Department of Animal Sciences and Aquatic Ecology	6		2	A:1	180
20	I002797 Fish and Shellfish Immunology Daisy Vanrompay -- Department of Animal Sciences and Aquatic Ecology	4		2	A:1	120
21	I002086 Aquatic Microbial Community Management Tom Defoirdt -- Department of Biotechnology	3		2	A:1	75

Subscribe to 6 credit units from 1 module from the following list. Subject to approval by the faculty.

### 2.1 Internship or Project

Nr	Course	CRDT	Ref	MT1	Session	Study
1	I003028 Internship Annelies Declercq -- Department of Animal Sciences and Aquatic Ecology	6		2	A:J	180
2	I003029 Project Annelies Declercq -- Department of Animal Sciences and Aquatic Ecology	6		2	A:2	180

### 2.2 Ghent University Elective Courses

Subscribe to no more than 6 credit units from courses offered at Ghent University, including the [Ghent University Elective Courses](#). Subject of approval by the study programme committee.

## 3 Master's Dissertation

30 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	I001507 Master's Dissertation Annelies Declercq -- Department of Animal Sciences and Aquatic Ecology	30		2	A:J	900

#### Teaching

When a course is not taught (solely) in the programme's language of instruction, the effectively used languages are indicated in square brackets following the course name, using the following ISO codes:

bg: Bulgarian	de: German	es: Spanish	ja: Japanese	pl: Polish	sh: Croatian/Serbian	zh: Chinese
cs: Czech	el: Greek	fr: French	nl: Dutch	pt: Portuguese	sl: Slovene	
da: Danish	en: English	it: Italian	no: Norwegian	ru: Russian	sv: Swedish	

#### Semester

Semesters are indicated by their number (1 or 2); semester 3 represents the summer period and J indicates a course spanning semesters 1 and 2. When a capital letter precedes a semester number, the course has multiple offerings. The letter indicates the offering concerned.

When a semester is shown in brackets, the course is not offered this year in the specific offering.

The offering frequency and first year of offering are indicated by the following codes:

a: bi-annually	c: annually, from 2025-2026	f: annually, from 2026-2027	i: annually, from 2027-2028
b: tri-annually	d: bi-annually, from 2025-2026	g: bi-annually, from 2026-2027	j: bi-annually, from 2027-2028
	e: tri-annually, from 2025-2026	h: tri-annually, from 2026-2027	k: tri-annually, from 2027-2028