Faculty of Science and Technology
(REALTEK)

Department of Mechanical Engineering and Technology Management

Study Structure

Nordic Master in Aquatic Food Production – Safety and Quality

(AQFOOD)

Admissions 2025

Nordic Master in Aquatic Food Production – Safety and Quality*

The 2-year master's programme ***Nordic Master in Aquatic Food Production – Safety and Quality*** (AQFOOD) is a programme designed for Norwegian, European and international students with background in varied fields from food science, chemistry and natural sciences to health, fishery, aquaculture and engineering who are interested in specializing in topics related to Salmon farming on master's level.

The study programme is a programme underlying *The Department of Mechanical Engineering and Technology Management* at the *Faculty of Science and Technology (REALTEK) at NMBU.*

Study programme title under revision:
The name of the study programme is currently under revision with a new name proposal of *"Salmon farming"* to reflect on the focus of the study programme. The new title will be applicable for admission year 2026/2027. The department may informally use *"Salmon farming"* in the meantime up until the title change has been completed.

Location:
NMBU Campus Ås.

Master's thesis
The Department of Mechanical Engineering and Technology Management at *the Faculty of Science and Technology (REALTEK)* at NMBU offers a variety of possible thesis projects and supervisors. For more information, please get in touch with the head of the department, Odd Ivar Lekang, or Associate Professor Vasco Filipe Cardoso Neves Mota. See contact info below.

The standard scope of the master's thesis on AQFOOD at NMBU is 60 ECTS.

Start planning for your master's thesis during your first year of studies.

Possibility of exchange
If you wish to go on exchange as part of your degree in AQFOOD at NMBU, please get in touch with the Exchange office at NMBU and inform the Study administration on studieveileder-realtek@nmbu.no within the first study semester.

Tuition Fees
Students with citizenship from a country outside the EU/EEA and Switzerland must pay tuition fees, unless they qualify for an exemption.

Contact information
Odd Ivar Lekang, *Professor and head of the department*, odd-ivar.lekang@nmbu.no

Vasco Filipe Cardoso Neves Mota, *Associate Professor*, vasco.mota@nmbu.no

Student advising/study administration: studieveileder-realtek@nmbu.no

Degree requirements:

A 2-year master's degree in AQFOOD at NMBU is awarded on 120 study credits (ECTS), equivalent to two years full time studies. To obtain a master's degree in ***Nordic Master in Aquatic Food Production – Safety and Quality***, the following requirements must be completed:

- Compulsory courses of 55 ECTS
  - 25 ECTS introductory higher-level courses (200-level courses)
  - 30 ECTS master's level courses (300-level courses)
- Elective courses on 200 or 300-level (minimum 5 ECTS)
- Master's thesis of 60 ECTS

Compulsory courses:

Course code	Course name	ECTS	Semester
AQX251	Sustainability and Welfare in Aquaculture	5	August block
AQF200	Aquatic Food Primary Production and Aquaculture	7,5	Autumn, e-learning
AQF231	Marine Resources, Research and Innovation	7,5	Autumn, e-learning
MVI320	Fish Processing Technology	10	Autumn
AQT254	Basic Aquaculture Engineering	5	Autumn
AQP311	Production Technology in Aquaculture	10	January + Spring
AQP350	Planning and Design of Intensive Fish Farms	10	Spring
Mxx-AQFOOD	Master's thesis[1)]	60[1)]	Autumn + Spring

[1)] A 30 ECTS master's thesis is also a possibility for students who wish to complete master's level elective courses in their 3rd semester (August+Autumn 2nd year). Master's level courses are courses on 300-level. See the list below.

Elective recommended specialization courses:

200-level courses

Course code	Course name	ECTS	Semester
AQT251	Laboratory Course in International Aquaculture	5	Autumn

300-level courses (master's level courses)

Course code	Course name	ECTS	Semester
AQN350	Aquaculture Nutrition	10	Autumn
BUS311	Environmental Management and Sustainability Reporting	5	Spring
MVI361	Unit Operations	10	Autumn
AQX300	Applied Aquaculture	10	Spring
AQX301	Fish Health	5	Spring
SPE-M-AQFOOD	Special syllabus[2)]	5-15[2)]	Autumn / Spring

[2)] A special syllabus is an individually created syllabus for a specific topic not covered by the NMBU course catalogue, an internship or similar. A Special syllabus must be clarified and composed together with a supervisor.

Study plan structure:

Nordic Master in Aquatic Food Production – Safety and Quality

60 ECTS THESIS

Year	Semester	5 ECTS	5 ECTS	5 ECTS	5 ECTS	5 ECTS	5 ECTS	Total
2	June							
	Spring	Master's thesis						30
	January							
	Autumn	Master's thesis						30
	August							
1	June							
	Spring	AQP311	AQP350		*Elective*[3)]			25
	January							
	Autumn	AQF200 (7,5) | AQF231 (7,5)			MVI320		AQT254	30
	August	AQX251						5

[3)] *Choose a 5 ECTS course on either 200 or 300-level.*

Total: 120 ECTS