Faculty of Science and Technology
(REALTEK)

Study Structure

Nordic Master in Aquatic Food Production – Safety and Quality

(AQFOOD)

Admissions 2024

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 aquatic food production related topics on master's level.

Location:

NMBU Campus Ås and partner universities.

As a AQFOOD student you have the option to either complete the entire degree at NMBU or choose to transfer to a partner university for your second year.

Possibility of a dual degree when transferring to a partner university on year 2

The programme is part of a consortium of three leading universities in the Nordic countries within the field of aquatic food production. The partner universities are:

- The Norwegian University of Life Sciences (NMBU), Department of Mechanical Engineering and Technology Management, Ås, Norway
- The Norwegian University of Science and Technology (NTNU), Department of Biotechnology and Food Sciences, Trondheim, Norway
- The University of Iceland (HI), School of Engineering & Natural Science, Reykjavik, Iceland

To receive a dual degree the AQFOOD students must transfer to one of the other partner universities for their second year, completing their specialization courses and master's thesis there.

If you wish to transfer to a partner university for your second year, 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.

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 about possible projects and supervisors, please get in touch with the head of the department and the AQFOOD programme at NMBU, Odd Ivar Lekang.

The standard scope of the master's thesis at AQFOOD is 30 ECTS.

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

Degree requirements:

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

- Compulsory first year courses of 35 ECTS
- Minimum 30 ECTS elective courses on 300-level (master's level)relevant to specialization/thesis
- Elective courses on 200 or 300-level
- Master's thesis of 30/45/60 ECTS

Compulsory courses:

Course code	Course name	ECTS	Semester
AQF200	Aquatic Food Primary Production and Aquaculture	7,5	Autumn, e-learning
AQF210	Aquatic Food Processing and Technology	7,5	Autumn, e-learning
AQF220	Safety and Human Health Effects of Aquatic Food	7,5	Autumn, e-learning
AQF231	Marine Resources, Research and Innovation	7,5	Autumn, e-learning
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*	30/45/60	Spring / Autumn + Spring

**The standard ECTS for master's thesis at AQFOOD is 30 ECTS (M30-AQFOOD). Students can write a 45 or 60 ECTS thesis, if their course plan is approved by the study advisor and the thesis supervisor.*

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
MVI320	Fish Processing Technology	10	Autumn
MVI361	Unit Operations	10	Autumn
AQX300	Applied Aquaculture	10	Spring
AQX301	Fish Health	5	Spring
SPE-M-AQFOOD	Special syllabus	5-15	Autumn / Spring

Study plan structure:

30 ECTS THESIS

Year	Semester	5 ECTS	5 ECTS	5 ECTS	5 ECTS	5 ECTS	5 ECTS	5 ECTS
1	June							
	Spring	Master thesis						
	January							
	Autumn	*Elective courses on 300-level, and/or Master's thesis if 45/60 ECTS thesis*						
	August							
2	June							
	Spring	AQP311	AQP350		*Elective*			
	January							
	Autumn	AQF200 (7,5) | AQF210 (7,5) | AQF220 (7,5) | AQF231 (7,5) | AQT254 (5)						
	August							

Total: 120 ECTS

45 ECTS THESIS

Year	Semester	5 ECTS	5 ECTS	5 ECTS	5 ECTS	5 ECTS	5 ECTS	5 ECTS
1	June							
	Spring	Master thesis						
	January							
	Autumn	Master thesis			*Elective course 300-level*			
	August							
2	June							
	Spring	AQP311	AQP350		*Elective course 300-level*			
	January							
	Autumn	AQF200 (7,5) | AQF210 (7,5) | AQF220 (7,5) | AQF231 (7,5) | AQT254 (5)						
	August							

Total: 120 ECTS

60 ECTS THESIS

Year	Semester	5 ECTS	5 ECTS	5 ECTS	5 ECTS	5 ECTS	5 ECTS	5 ECTS
1	June							
	Spring	Master thesis						
	January							
	Autumn	Master thesis						
	August							
2	June							
	Spring	AQP311	AQP350		*Elective course 300-level*			
	January							
	Autumn	AQF200 (7,5) | AQF210 (7,5) | AQF220 (7,5) | AQF231 (7,5) | AQT254 (5)						
	August							

Total: 125 ECTS (with a 60 ECTS degree thesis your total ends up at 125 ECTS)