

Aquaculture Management (Bachelor)

[See study programme](#)

Autumn 2020 (1. semester)

Fish Biology	MAR2031 10 sp
Laboratory Safety	KJ105F 0 sp
Basic Course in Mathematics	MAT2030 2.5 sp
Ex. Phil. Ethics, Sustainability and Social Responsibility	FIL1001 7.5 sp
Water Quality and Water Treatment in Aquaculture	MAR2030 10 sp

Spring 2021 (2. semester)

Cell Biology	MAR2034 5 sp
Fish Health and Disease	MAR2033 10 sp
Production of Salmonids	MAR2032 15 sp

Autumn 2021 (3. semester)

Aquaculture Management	HAV2003 10 sp
Business Economics with Relevant Computer Software	ECO1002 7.5 sp
Fish Nutrition and Product Quality	HAV2002 12.5 sp

Spring 2022 (4. semester)

Fish Welfare	HAV2004 10 sp
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Autumn 2022 (5. semester)

Practice Seminar

HAV2011

0 sp

Introduction to Scientific Methods and Writing

MET2000

5 sp

Aquaculture Economy

HAV2009

15 sp

Marine Fish Production

HAV2006

10 sp

Spring 2023 (6. semester)

Management

LED2005

10 sp

Bachelor's Thesis

HAV2010

10 sp

Elective courses

Quality Management and HSE in Aquaculture

HAV2008

10 sp

Mathematics/Statistics for Biologists

MA116F

10 sp

Programme description

This program gives you interdisciplinary expertise in aquaculture, economics and management that is highly relevant to a job in the aquaculture sector. You will learn about biological and sustainable seafood production, farming technology, various environmental impacts, fish health, fish welfare, aquaculture economy, quality management and HSE in aquaculture. This combined with internship in the aquaculture industry and bachelor theses gives you unique competence that is very relevant in the aquaculture industry.

Learning outcomes

On successful completion of the programme:

Knowledge

The candidate:

has broad knowledge of important topics and methods within the aquaculture industry
is familiar with research and development work in the field of aquaculture
can update his/her knowledge in the field of aquaculture -biology, -economics and -leadership
has knowledge of the aquaculture history, traditions, distinctive character and place in society

Skills

The candidate:

can apply academic knowledge and relevant results of research and development work to practical and theoretical problems and make well-founded choices
can reflect upon his/her own academic practice and adjust it under supervision
can find, evaluate and refer to information and scholarly subject matter and present it in a manner that sheds light on the problem
masters relevant scholarly tools, techniques and forms of communication used in the aquaculture industry

General competence

The candidate:

has insight into relevant academic and professional ethical issues related to the aquaculture industry
can plan and carry out varied assignments and projects over time, alone or as part of a group, and in accordance with ethical requirements and principles for the aquaculture industry
can communicate important academic subject matters in the field of aquaculture biology, technology and economics both in writing, orally and on web.
can exchange opinions and experiences with others with similar background from the aquaculture sector, thereby contributing to the development of good practice
is familiar with new thinking and innovation processes in aquaculture

Admission requirements

Higher Education Entrance Qualification

English language proficiency

[View general admission and documentation requirements](#)

Career possibilities

The program qualifies for a broad range of positions within the aquaculture industry, depending on the candidate's previous experiences. The program qualifies to enter several levels in companies and organizations in the aquaculture industry, to work in the public administration and supplier industry for aquaculture equipment and directly in the production of aquaculture organisms.

Further education

The programme qualifies candidates for applying for the MSc programme in Biosciences at Nord University, provided the applicant having taken a course in statistics.

Study abroad

Ever thought of spending part of your degree in another part of the world?

The program makes internationalization possible in the fourth semester. The students can then choose to have a 15-week internship in a national or international company. Aquaculture industries are a global industry, where many of our cooperative companies also have activity abroad.

Below you will find an overview of our partner universities where you, as a student in Aquaculture Management, can travel to:

AUSTRALIA

James Cook University

NEW ZEALAND

Nelson Marlborough Institute of Technology

CANADA
Vancouver Island University

USA
Humboldt State University
University of New England

NETHERLANDS
Wageningen University

SCOTLAND
University of Stirling

Costs

No tuition fees. Costs for semester registration and course literature apply. Students are expected to have a laptop with microphone and camera. Students must purchase their own laboratory coat for use in courses with laboratory exercises.

Additional costs, limited upward to NOK 2,000, will incur in relation to field trips/excursions.

The programme includes a mandatory industry placement period in the 4th semester, and students should expect costs to incur during this period (accommodation, food, traveling etc.).

Assessment methods

The study program uses a broad range of exam and different valuation criterias such as written exam, oral exam, written assessments, presentations, multiple choice and folder portfolios.

Graduation requirements

The final graduation examination for the study programme consists of the bachelor assignment and work placement.

Programme evaluation

The programme is evaluated via student questionnaire, as well as by the programme director. The evaluations form a part of the University's quality assurance system.

Qualifications requirements and regulations

Refer to [applicable legislation, regulations and related guidelines](#)