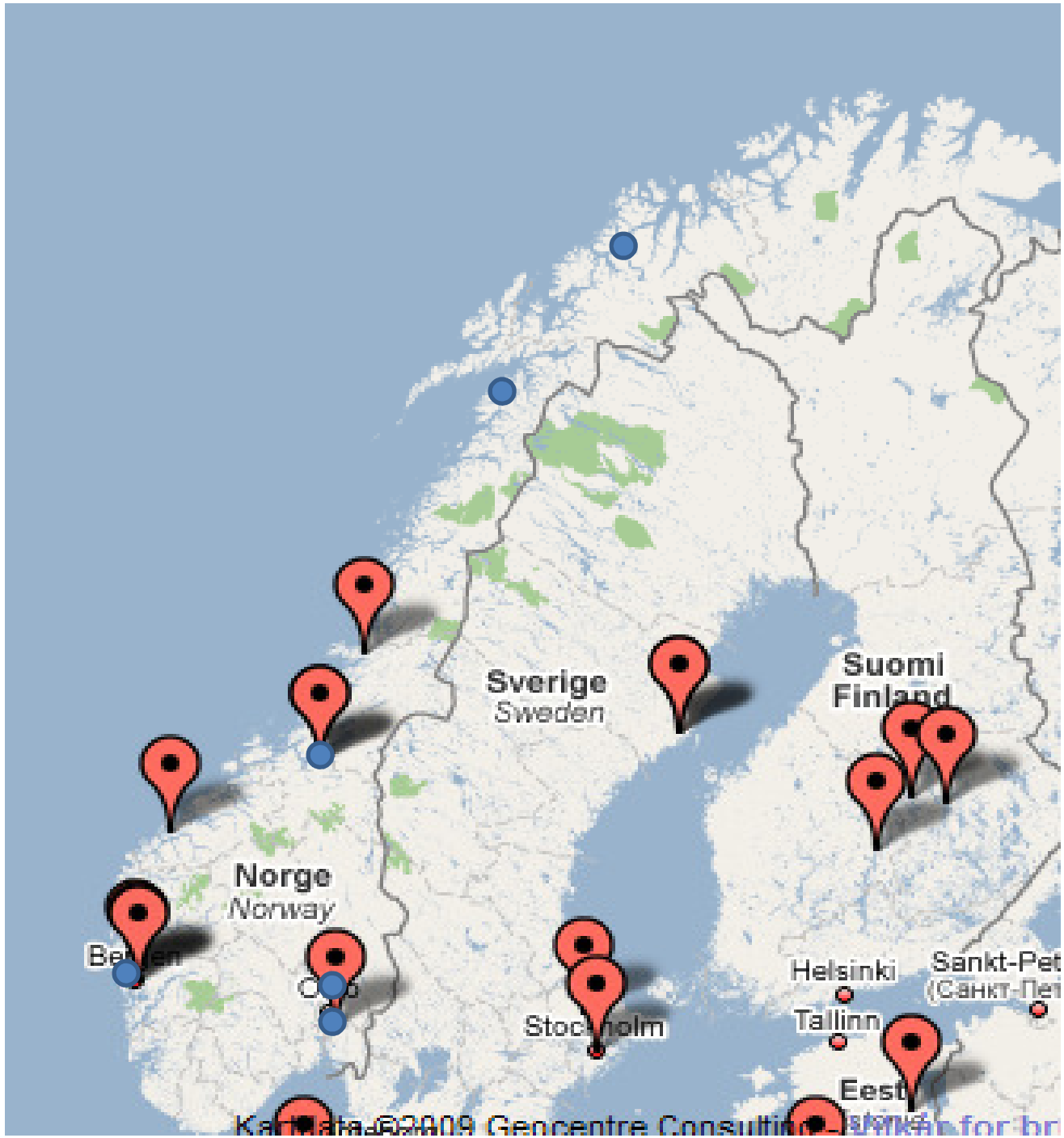


# Master programs

Aquaculture and related topics in  
Norway



**List over Universities in Norway offering relevant master degrees (do not guaranty that all is included)**

*Norwegian school of veterinary science, Oslo*

2 year Master of Aquatic medicine

<http://www.veths.no/upload/dokumenterhippocampus/masteraquaticbrochure.pdf>

*Norwegian University of life sciences, Ås*

2 year master in Aquaculture

<http://www.umb.no/study-options/article/master-of-science-in-aquaculture>

2 year master in Feed manufacturing technology

<http://www.umb.no/study-options/article/master-of-science-in-feed-manufacturing-technology>

2 year master i environment and natural resources (in Norwegian)

<http://www.umb.no/studietilbud/artikkel/master-i-miljo-og-naturressurser>

*Norwegian University of science and technology, Trondheim*

2 year master Coastal and Marine Civil Engineering

<http://www.ntnu.no/studies/msc-coastal-marine-civil-engineering>

2 year master Marine coastal development

<http://www.ntnu.no/studies/msc-marine-technology>

2 year master Marine technology

<http://www.ntnu.no/studies/marine-technology>

2 year master Coastal and Marine Engineering and Management

<http://www.tudelft.nl/live/pagina.jsp?id=99f642a4-6c91-4766-a2c0-90f459ff143f&lang=en>

*University of Bergen*

2 year master aquaculture biology

[http://prospective.uib.no/?link\\_id=146010&sublink\\_id=&toplink\\_id=22&mode=show\\_page&content\\_id=251825&modus=vis\\_studieprogram&spraak=engelsk&kode=MAMN-HAV](http://prospective.uib.no/?link_id=146010&sublink_id=&toplink_id=22&mode=show_page&content_id=251825&modus=vis_studieprogram&spraak=engelsk&kode=MAMN-HAV)

5 year master fish health (in Norwegian) (profession program)

<http://www.uib.no/studieprogram/MAMN-FISK>

2 year master marine nutrition

[http://prospective.uib.no/?link\\_id=146010&sublink\\_id=&toplink\\_id=22&mode=show\\_page&content\\_id=251825&modus=vis\\_studieprogram&spraak=engelsk&kode=MAMN-NU](http://prospective.uib.no/?link_id=146010&sublink_id=&toplink_id=22&mode=show_page&content_id=251825&modus=vis_studieprogram&spraak=engelsk&kode=MAMN-NU)

2 year master fisheries biology and management

[http://prospective.uib.no/?link\\_id=146010&sublink\\_id=&toplink\\_id=22&mode=show\\_page&content\\_id=251825&modus=vis\\_studieprogram&spraak=engelsk&kode=MAMN-FIFO](http://prospective.uib.no/?link_id=146010&sublink_id=&toplink_id=22&mode=show_page&content_id=251825&modus=vis_studieprogram&spraak=engelsk&kode=MAMN-FIFO)

2 year master marine biology

[http://prospective.uib.no/?link\\_id=146010&sublink\\_id=&toplink\\_id=22&mode=show\\_page&content\\_id=251825&modus=vis\\_studieprogram&spraak=engelsk&kode=MAMN-MAR](http://prospective.uib.no/?link_id=146010&sublink_id=&toplink_id=22&mode=show_page&content_id=251825&modus=vis_studieprogram&spraak=engelsk&kode=MAMN-MAR)

*University college of Bodø*

2 year master in Aquaculture

<http://www.hibo.no/index.php?ID=12453&lang=eng&displayitem=1981&module=studieinfo&type=studieue&subtype=1>

*University in Oslo*

2 year master Marine biology and limnology (in Norwegian)

<http://www.uio.no/studier/program/bio-master/marin/>

University of Tromsø

5 year master fish health (in Norwegian) (profession program)

[http://www2.uit.no/www/studiesokere/studietilbud/studieprogram?studieprogram=39578&ar=2009&p\\_d\\_i=47400&p\\_d\\_c=&p\\_d\\_v=100453&fagfelt=7&semester=V&p\\_document\\_id=100453](http://www2.uit.no/www/studiesokere/studietilbud/studieprogram?studieprogram=39578&ar=2009&p_d_i=47400&p_d_c=&p_d_v=100453&fagfelt=7&semester=V&p_document_id=100453)

2 year master Fisheries and Aquaculture Management and Economics

[http://www2.uit.no/www/studiesokere/studietilbud/studieprogram\\_en?studieprogram=42846&ar=2009&p\\_d\\_i=-47400&p\\_d\\_c=&p\\_d\\_v=101874&semester=V&p\\_document\\_id=101874](http://www2.uit.no/www/studiesokere/studietilbud/studieprogram_en?studieprogram=42846&ar=2009&p_d_i=-47400&p_d_c=&p_d_v=101874&semester=V&p_document_id=101874)

2 year master in International Fisheries Management

[http://www2.uit.no/www/studiesokere/studietilbud/studieprogram\\_en?studieprogram=39580&ar=2009&p\\_d\\_i=-47400&p\\_d\\_c=&p\\_d\\_v=100460&semester=V&p\\_document\\_id=100460](http://www2.uit.no/www/studiesokere/studietilbud/studieprogram_en?studieprogram=39580&ar=2009&p_d_i=-47400&p_d_c=&p_d_v=100460&semester=V&p_document_id=100460)

2 year master in fishery (in Norwegian)

[http://www2.uit.no/www/studiesokere/studietilbud/studieprogram?studieprogram=39581&ar=2009&p\\_d\\_i=47400&p\\_d\\_c=&p\\_d\\_v=100299&fagfelt=7&semester=V&p\\_document\\_id=100299](http://www2.uit.no/www/studiesokere/studietilbud/studieprogram?studieprogram=39581&ar=2009&p_d_i=47400&p_d_c=&p_d_v=100299&fagfelt=7&semester=V&p_document_id=100299)

UMB master programs

# GENERAL INFORMATION

## BACHELOR`S DEGREE PROGRAMMES

09 DEVELOPMENT STUDIES

## MASTER`S DEGREE PROGRAMMES

15 AGROECOLOGY

19 AQUACULTURE

23 DEVELOPMENT AND NATURAL RESOURCE ECONOMICS

27 DEVELOPMENT STUDIES

31 ECOLOGY - GENERAL

35 ECOLOGY - TROPICAL ECOLOGY AND MANAGEMENT OF NATURAL RESOURCES

39 ECONOMICS

43 EUROPEAN MASTER - ANIMAL BREEDING AND GENETICS

45 FEED MANUFACTURING TECHNOLOGY

49 INTERNATIONAL ENVIRONMENTAL STUDIES

53 MATHEMATICAL SCIENCES- COMPUTATIONAL BIOLOGY

57 PLANT SCIENCES

61 RADIOECOLOGY

<http://www.umb.no/study-options/article/study-options>

# UMB master program

aquaculture

# Program content

- 35 mandatory credits have to be taken at the 300 level within fish-breeding, fish nutrition, special courses in aquaculture and planning and design of aquacultural plants.
- 35 credits with select topics at the 200 level within breeding, nutrition, techniques and environment, product quality etc.
- 20 credits at the 200 level are electives.
- 2. and last year, candidates must complete a Masters thesis worth 30 credits, which may be upgraded to 60 credits on application to the Board of Education. Students who do not have a Bachelors degree in Aquaculture from UMB must have an individual study plan.

Credits	5	10	15	20	25	30	35
<b>2 Spring</b>	Master thesis						
<b>2 January block</b>							
<b>2 Autumn</b>	<a href="#">AKX300</a>	<a href="#">TAT350/AKA350/AKE310</a>					
<b>2 August block</b>	<a href="#">HFX300</a>						
<b>1 June block</b>	Field-trip	<a href="#">AKX253</a>					
<b>1 Spring</b>	<a href="#">AKA260</a>		<a href="#">TAT211</a>		<a href="#">TAT250</a>		
<b>1 January block</b>	<a href="#">TAT254</a>						
<b>1 Autumn</b>	<a href="#">AKA251</a>	<a href="#">AKE251</a>		<a href="#">EDS220</a>		<a href="#">TAT250</a>	
<b>1 August block</b>	<a href="#">AKX251</a>						

**Obligatory courses/activity (cr=credits):**

[AKX251](#) (5 cr): General aquaculture – diseases and health in farmed fish

[AKA251](#) (5 cr): General aquaculture – Breeding and genetics

[AKE251](#) (10 cr): General aquaculture – nutrition

[TAT211](#) (10 cr): Production technology in aquaculture

Field trips ([AKX251](#)-August/fall + [AKE/AKA251](#) – June, 1 week each)

[AKA260](#) (10 credits): Aquaculture breeding and genetics theory

[AKX300](#) (5 credits): Aquaculture – special course

**Optional courses may be**

[EDS220](#) (10 cr, fall): Statistical analysis

[TAT250](#) (10 cr, fall/spring): Laboratory course in International Aquaculture

[HFX300](#) (5 cr, August): Exp. Design and Analysis in Animal Science and Aquaculture

[TAT220](#) (5 cr, June-block): New Species in Norwegian Fish Farming

[TAT230](#) (10 cr, spring): Design of Equipment for Norwegian Aquaculture Facilities

[TAT254](#) (5 cr): Aquaculture production

[TAT310](#) (15 cr, fall): Aquaculture Engineering, Main Topic

[TAT350](#) (10 cr, fall): Planning and Design of Intensive Fish Farms

[HFX206](#) (5 cr, fall): Product Quality, Meat and Fish

[AKX253](#) (5 cr, June): Product Quality in Aquaculture 2

[HFX207](#) (5 cr, spring): Introduction to Animal Production and Fish Farming in Developing countries

[FMI310](#) (15 cr, spring): Environmental Pollutants and Ecotoxicology

[AKA350](#) (10 cr, fall): Optimisation of Fish breeding programs

[http://www.umb.no/study-  
options/article/master-of-  
science-in-aquaculture](http://www.umb.no/study-options/article/master-of-science-in-aquaculture)

All courses in aquaculture related  
topics at UMB

# Nova database

- [http://www.nova-university.org/4nov\\_cou3\\_msc\\_database.htm](http://www.nova-university.org/4nov_cou3_msc_database.htm)

