



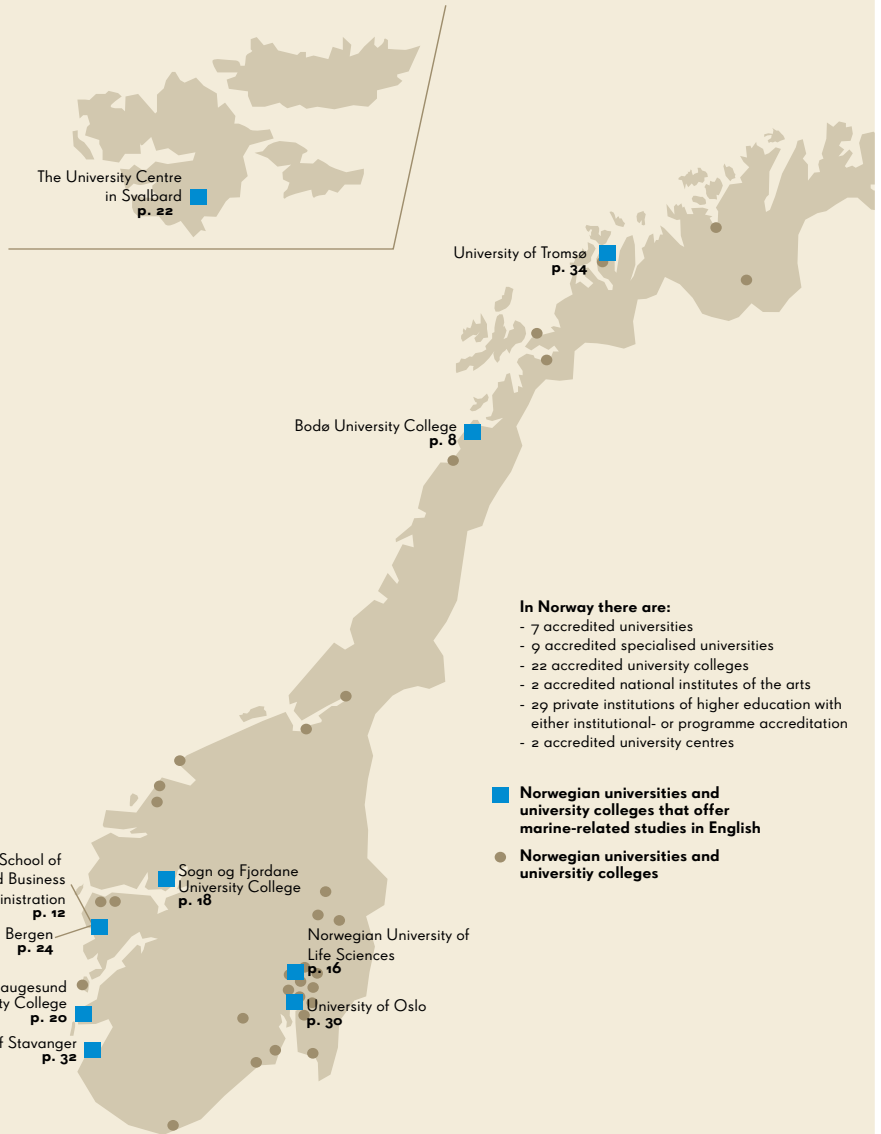
LOOK UP



STUDY IN
NORWAY.

MARINE STUDIES IN NORWAY.

WWW.STUDYINNORWAY.NO



In Norway there are:

- 7 accredited universities
- 9 accredited specialised universities
- 22 accredited university colleges
- 2 accredited national institutes of the arts
- 29 private institutions of higher education with either institutional- or programme accreditation
- 2 accredited university centres

■ Norwegian universities and university colleges that offer marine-related studies in English

● Norwegian universities and university colleges

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A SUSTAINABLE CAREER – MARINE STUDIES IN NORWAY

Norway is signified by the sea and the country's long and irregular coastline of 25,148 km. The ocean has been a natural source for work, income, settlement and transportation throughout the country's history. Today, the marine sector represents one of Norway's most important industries and fields of research.

The Norwegian fisheries policy and management are based on the principle of sustainable harvesting of the marine living resources. Sustainable harvest depends on healthy marine ecosystems. Maintaining the health of the sea is therefore a fundamental principle for all activities concerning fishing, aquaculture, seafood safety and resource management.

STUDIES AND RESEARCH RELATED TO THE OCEANS

This publication presents the programmes and courses aimed at international students within the marine field. The programmes and courses listed in this guide are taught in English and have no tuition fees.

Norwegian universities and university colleges offer programmes and courses within the field of fisheries and marine resources management (related to quotas, seafood safety and nutrition) and industry-related research such as aquaculture and biotechnology.

The oceans are one of the top thematic priorities in Norwegian research and innovation policy. Through a wide range of research initiatives and study programmes, Norway seeks to strengthen its position as a leading country in research on marine ecosystems and provide a scientific basis for long-term management and economic growth of the marine resources.

The excellence and solid experience in the area of marine research and fisheries management make Norway an interesting destination for international students and researchers who want to pursue a career in this field. Welcome to Norway!

NORWAY. A GREAT PLACE TO STUDY

Student mobility and international cooperation are key objectives for Norway. Higher education institutions offer some 200 Masters programmes taught in English, and currently more than 12,000 foreign students are studying and preparing for their future careers in Norway.

Norway's universities and university colleges offer a wide range of programmes within different subject areas. Around 200 Masters programmes are taught in English and many of the universities and university colleges also offer courses in English at Bachelor and Ph.D. level.

Entry to Norwegian universities and university colleges normally requires successful prior completion of the three-year upper secondary school programme. With the exception of some private university colleges, all higher education institutions are state-run. As a rule, there are no tuition fees for higher education in Norway. Nevertheless, fees may be charged for certain professional education programmes and special programmes, and by some of the private institutions.

DEGREE SYSTEM

The degree system of the Bologna Process based on the Bachelor, Master and Ph.D. structure has been successfully implemented in Norway, together with the European Credit Transfer and Accumulation System (ECTS). By adapting to the European standard in higher education it has become easier for students who complete all or part of their education in Norway to obtain recognition of their qualifications in other countries.

ACHIEVE. ENJOY.

As an international student in Norway you will participate in an excellent knowledge environment and achieve great academic profit. But that is not the only reason why you should choose Norway. The combined experience of learning and living, of aspiration and inspiration, of achievement and enjoyment makes Norway a unique and great place to study.

The image shows three salmon fish lying horizontally on a light-colored, textured surface, likely sand or gravel. The fish are arranged vertically, with the top one slightly above the middle one, and the bottom one below. They have silvery scales, dark fins, and some reddish spots on their sides. The lighting is bright, creating highlights on their bodies.

LOOK UP AND DISCOVER NORWAY

The web portal www.studyinnorway.no is the official gateway to higher education in Norway for foreign students. This web site and several printed publications provide a wide range of information regarding studies and research in Norway, such as study programmes, application and admission requirements, visa, residence permits, scholarships, language requirements, etc.

MARINE RESEARCH IN NORWAY

Marine research is one of the top thematic priorities in Norwegian research and innovation policy. Norwegian research groups are at the international forefront in key areas, such as aquaculture research. In cooperation with the Research Council of Norway and the industry, higher education institutions and a number of independent research institutes are conducting a wide range of scientific initiatives to strengthen Norway's position as a leading country in research on marine ecosystems and aquaculture. Norway is a central contributor to the knowledge base on marine environment and the scientific basis for long-term management and economic growth of the marine resources.

RESEARCH INSTITUTES AND NETWORKS

The Research Council of Norway: www.rcn.no

Institute of Marine Research (IMR): www.imr.no/english/main

National Institute of Nutrition and Seafood Research (NIFES): www.nifes.no

The National Veterinary Institute: www.vetinst.no

SINTEF/Marin: www.sintef.no/Home/Marine

Nofima: www.nofima.no

ARCTOS: www.nfh.uit.no/arctos

The North American freshwater sunfish (*Lepomis gibbosus*) was first discovered in Norway in October 2005. The effects of introducing this and other new species to an ecosystem are currently being explored by researchers.



CENTRES OF EXCELLENCE

Centre for Geobiology
www.geobio.uib.no

Bjerknes Centre for Climate Research
www.bjerknes.uib.no



CENTRES FOR RESEARCH-BASED INNOVATION (CRIS)

CREATE-SFI in Aquaculture Technology

MabCent Marine bioactives
and drug discovery

BODØ UNIVERSITY COLLEGE (HBO)

ACRONYM	HBO
INSTITUTION TYPE	State university college
STREET ADDRESS	Mørkvedtråkket 30
POSTAL CODE	N-8049
CITY	Bodø, Norway
PHONE	+47 75 51 72 00
FAX	+47 75 51 74 57
E-MAIL	international@hibo.no
WEB SITE	www.hibo.no/english

Bodø University College is one of Norway's most modern and exciting higher education institutions and provides a wide range of study programmes at Bachelor, Master and PhD levels. Our 5,300 students can get the best out of their education and experience in our exciting and dynamic environment thanks to our dedicated staff, excellent new buildings and fine educational facilities. These include state-of the art laboratories, auditoriums, an impressive multi functional library and seminar rooms stimulating learning. Students and staff keep in close contact with the help of the compact campus environment and the traditionally relaxed atmosphere here in the north. We are proud of our reputation for having a thriving educational and social environment.

ECOLOGY AND NORTHERN WILDLIFE

(BACHELOR'S LEVEL)

Credits: 30 ECTS

Place: Bodø

COURSE DESCRIPTION

This programme is an excellent offer for students who want to combine ecology and marine biology courses on campus, with spectacular wildlife and nature experiences in Northern Norway.

We offer a combination of traditional teaching at campus with exciting excursions where we experience the spectacular views and sounds of killer whales, sea eagles, the annual return of thousands of Atlantic puffins to their breeding colony, and the peculiar organisms in the ocean. All this illuminated by the Northern Light and the Midnight Sun, during a 5 1/2 months study programme.

More information: www.hibo.no/index.php?ID=13916&lang=eng&displayitem=1984&module=studieinfo&type=studieue&subtype=1

AQUACULTURE (BACHELOR'S LEVEL)

Credits: 30 ECTS

Place: Bodø

COURSE DESCRIPTION

This programme consists of three courses, and is especially designed for foreign exchange students wishing to gain valuable competence in Norwegian aquaculture on site in Northern Norway. The history of Norwegian marine farming is that of the development of an expansive and dynamic export industry. It is one of Norway's most international industries, characterised by its natural localisation along most of the coast. The beautiful county of Nordland, where the college is located, is the country's largest aquaculture region for salmon. The students will have the opportunity to learn about sustainable aquaculture production in this northern part of Norway.

More information: www.hibo.no/index.php?ID=13916&lang=eng&displayitem=1900&module=studieinfo&type=studieue&subtype=1

MASTER OF SCIENCE IN AQUACULTURE

Credits: 120 ECTS

Place: Bodø

COURSE DESCRIPTION

The main aim of the programme is that the students shall acquire scientific and practical skills crucial for the development of the aquaculture industry. The students will be trained to carry out laboratory analysis and to present results in the form of reports and scientific documents. Students can specialise either in reproductive biology, fish health and welfare, nutrition, seafood quality or marine molecular biology.

The programme comprises degree courses (normally 60 ECTS, of which 20 are obligatory and 40 elective) and an independent scientific master's thesis (normally 60 ECTS).

More information: www.hibo.no/index.php?ID=13918

MASTER OF SCIENCE IN MARINE ECOLOGY

Credits: 120 ECTS

Place: Bodø

COURSE DESCRIPTION

The objective of the programme is to provide students with scientific and practical skills in frontier research and understanding relevant to biophysical interactions in the ocean, environmental protection and management. The programme aims at investigating the basic functioning of High North marine habitats and their sensitivity to climate and anthropogenic effects by using novel platforms in ocean science and molecular genomics.

The programme includes three compulsory courses: Scientific Communication and Research Methods, Biophysical Interactions and Evolutionary Genetics. In addition students will choose 30 credits elective courses. The Master's thesis comprises a supervised independent scientific work of 60 credits.

More information: www.hibo.no/marine_ecology

PHD IN AQUACULTURE

Credits: 120 ECTS

Place: Bodø

COURSE DESCRIPTION

The programme is made up of an educational training component (30 ECTS) and a research component. The educational training component consists of 15 compulsory credits including ethics in science and nature, as well as animal use in research and animal welfare in conjunction with a course in the research area specialisation. The 15 elective credits can be attained from a wide range of 300-/400-level courses.

The research dissertation is a body of work based upon original research that is characterised by its scientific excellence, relevance and value. PhD students will be members of one of the Faculty's research groups.

More information: www.hibo.no/index.php?ID=16786



NORWEGIAN SCHOOL OF ECONOMICS AND BUSINESS ADMINISTRATION (NHH)

Founded in 1936, NHH (the Norwegian School of Economics and Business Administration) is the oldest and leading business school in Norway. The institution has over 2,900 students, most of whom continue from their Bachelor studies in economics and business administration onto one of the specialised Master of Science options at NHH. Other programmes include international doctoral programme in accounting, economics, finance and strategy and management. NHH also has the longest established Executive MBA programme in Norway, with specialisations including strategic leadership, brand management, and financial control and management.

ACRONYM	NHH
INSTITUTION TYPE	Specialised university institution
STREET ADDRESS	Helleveien 30
POSTAL CODE	N-5045
CITY	Bergen, Norway
PHONE	+47 55 95 92 00
FAX	+47 55 95 95 65
E-MAIL	ene@nhh.no
WEB SITE	www.nhh.no/ene

MASTER IN ENERGY, NATURAL RESOURCES AND THE ENVIRONMENT

Duration/Credits: 2 years, 120 ECTS

Place: Bergen

Master in Energy, Natural Resources and the Environment (ENE) is one of eight specialisations in the two-year MSc in Economics and Business Administration programme at NHH. Future development and prosperity is largely dependent upon access to energy sources and secure, reliable supplies of natural resources. Exploitation of these resources has an impact on the environment, and the balance between these is becoming a critical factor in the business world where business sustainability is increasingly defined by factors which go beyond the bottom line. The goal of the specialisation in ENE is to educate the next generation of

interdisciplinary managers in the study of energy and natural resource development and environmental impact. Students are specifically taught the range of methods and subjects necessary to understand, advance and critique important issues stemming from interaction of humans and the environment.

Application deadline 15th of February.

More information: www.nhh.no/msc

EXAMPLE OF COURSES WITHIN THE ENE SPECIALISATION

(only available for master students enrolled at NHH)

ECO401	Optimization and microeconomic theory
ECO402	Econometric techniques
ECO403	Time series analysis and prediction
ENE420	Economic decision models
FI439	Empirical Analyses of Financial and Commodity Markets
STR401	Social Science research methods
ENE421	The Energy, Resource and Environmental Industrial Sector
ENE422	Financial Aspects of Energy and Commodity Markets
ENE423	Environmental economics
ENE424	Design and Operation of Deregulated Electricity Markets
ENE425	Alternative Energy Sources in Physical Environmental and Economical Perspectives
ENE426	Economics of Climate Change
ENE427	Land Use and Natural Resources
ECO439	Resource economics
MIE424	Distribution channels and B2B marketing
SAM460	Petroleum and Natural Gas Economics
SAM468	International Fisheries Management
ETI451	Corporate Social Responsibility
ENE451	Seminar: Risk Management and Safety
ENE452	Seminar: Global Aspects of Climate Change and Ethical Challenges
ENE453	Seminar: Creativity and Innovations
ENE454	Seminar: Communicating in the energy sector: Intercultural interaction
ENE455	Seminar: The European Market for Natural Gas
ENE456	Seminar: Environmental responsibility: The role of NGOs and large corporations

More information: www.nhh.no/fag

GRADUATE SUMMER SCHOOL
– NATURAL RESOURCE MANAGEMENT AND POLICY:
THE NORWEGIAN MODEL

Duration/Credits: 2 weeks June/July, 7.5 ECTS

Place: Bergen

The course is for MBA and MSc students from NHH's partner institutions who are interested in natural resources and environmental economics.

Norway is abundantly endowed with natural resources, and has yet not suffered many of the curses that plague other resource rich countries.

NHH faculty delivers the course together with guest lecturers from partner schools and the business community. Company visits and case studies form a major part of the course.

Application deadline 1st of May.

www.nhh.no/en/study-at-nhh/graduate-summer-school.aspx

DISCOVER.



RECOVER.



NORWEGIAN UNIVERSITY OF LIFE SCIENCES (UMB)

The Norwegian University of Life Sciences is an internationally renowned and innovative university for life sciences, environment and sustainable development. UMB's main objectives are: To be a major player in the field of life sciences, focusing on the core disciplines biology, food and environmental science, land use and natural resource management, as well as associated and technical subjects and to actively contribute to business development and continue to strengthen the scientific basis for agriculture, aquaculture and other industries based on the utilisation of natural resources. High quality, frequent teacher-student interaction and a pleasant social and physical environment characterise education at UMB. About 240 of the 650 courses at the Bachelor and Master levels are taught in English, as well as many PhD level courses. UMB has some 3,250 students of which about 380 are PhD students.

ACRONYM	UMB
INSTITUTION TYPE	University
POSTAL ADDRESS	P.O. Box 5003
POSTAL CODE	N-1432
CITY	Aas, Norway
PHONE	+47 64 96 50 00
E-MAIL	postmottak@umb.no
WEB SITE	www.umb.no

MSc IN AQUACULTURE

Duration/Credits: 2 years, 120 ECTS

Place: Aas

PROGRAMME DESCRIPTION

The candidates of the Master's degree in Applied Aquaculture are future professionals in management of fish farming support industries, administration, and those interested in further higher-level education and research. The Master's programme will emphasize most of the biological and technological aspects of aquaculture, and will include transfer of results from ongoing research.

More information: www.umb.no/study-options/article/master-of-science-in-aquaculture

MSc IN FEED MANUFACTURING TECHNOLOGY

Duration/Credits: 2 years, 120 ECTS

Place: Aas

PROGRAMME DESCRIPTION

A graduate with a Master's degree in Feed Manufacturing Technology will have competence covering the key factors in feed production, both for domestic animals, fish and companion animals. The programme focuses on topics aimed at understanding key processes and processing equipment, feed ingredients and feed formulation. Students will get hands-on experience with the various types of equipment and production lines by fully integrating the possibilities offered by the Centre for Feed Technology in the programme. Teaching and training will partly be based on lectures, but a considerable part will be offered as demonstrations and training in groups.

More information: www.umb.no/study-options/article/master-of-science-in-feed-manufacturing-technology

OTHER COURSES

AKA251 General Aquaculture Breeding and Genetics (5 ECTS)

AKA260 Aquaculture – Breeding and Genetics (10 ECTS)

AKA350 Optimisation of Fish Breeding Programs (10 ECTS)

AKE251 General Aquaculture – Nutrition (10 ECTS)

AKE310 Aquaculture Nutrition (10 ECTS)

AKX251 General Aquaculture – Anatomy and Health in Farmed Fish (10 ECTS)

AKX253 Product Quality in Aquaculture (5 ECTS)

AKX300 Aquaculture, Special Course (5 ECTS)

BIN350 Genome Analysis, Methodology (English on request) (5 ECTS)

SOGN OG FJORDANE UNIVERSITY COLLEGE (HISF)

Sogn og Fjordane University College offers studies in engineering and sciences, health studies, social sciences, sports, teacher education, tourism, languages, economics and management.

ACRONYM	HiSF
INSTITUTION TYPE	University college
STREET ADDRESS	Fossvegen 6
POSTAL CODE	N-6851
CITY	Sogndal, Norway
PHONE	+47 57 67 60 00
FAX	+47 57 67 61 00
E-MAIL	post@hisf.no
WEB SITE	www.hisf.no/en/home

FROM MOUNTAIN TO FJORD – GEOLOGY AND ECOLOGY OF WESTERN NORWAY

Duration/Credits: one semester of full-time study; fall every year; usually 15–20 international students participate, 30 ECTS

Place: Sogndal

COURSE DESCRIPTION

Continuously deposited marine sediments of fjord basins are the ideal place for studying the development of environmental change on high resolution.

Undisturbed fjord sediment cores are taken in local fjords. The sedimentation history is interpreted throughout the semester in relation to pre-defined environmental issues, including sources and effects of marine pollution. This interpretation is based on a holistic reconstruction of the ecological and geochemical record of environmental change, including sources on land, in the water column and in the sediment. The course works out the significance of marine geological long term investigations on the interpretation of observed ecological short term variations on land.

The target group consists of international Bachelor students who wish to take an interdisciplinary education unit in Norway. This also includes students within the European Erasmus exchange programme and Norwegian students. The "From

Mountain to Fjord” course provides additional qualification for students of biology, geography, geology and environmental sciences.

More information: www.hisf.no/m2fjord



STORD/HAUGESUND UNIVERSITY COLLEGE (HSH)

Stord/Haugesund University College is a medium sized and modern state institution of higher education with approximately 3,000 students and 260 employees. The institution was established in 1994 when four independent colleges in Stord and Haugesund were merged. The College is organised in three faculties: Faculty of Teacher and Cultural Education, Faculty of Technology/Business/Maritime Education, Faculty of Health Education. The University College offers studies of high quality, directed towards specific professions in society, and there is a great demand for graduates from our study programmes.

ACRONYM	HSH
INSTITUTION TYPE	University college
STREET ADDRESS	Bjørnsonsøgt 28
POSTAL CODE	N-5528
CITY	Haugesund, Norway
PHONE	+47 52 70 26 00
E-MAIL	postmottak@hsh.no
WEB SITE	www.hsh.no

FJORDS AND GLACIERS

Credits: 30 ECTS

Place: Haugesund

COURSE DESCRIPTION

The course is structured around 4 different 3-days excursions, visiting mountains, lakes, water systems and forests, fjord and glacier. The course is interdisciplinary and consists of nature studies and culture studies on top of outdoor activities. The didactics of outdoor life, the Norwegian tradition of outdoor life and the link between outdoor life and environmental issues are the basic elements of the course.

More information: www.hsh.no/english/courses_taught_in_english.htm

MEMORIZE.



MEMORIES.



Photo: © John Wildhagen / Imposition Norge

THE UNIVERSITY CENTRE IN SVALBARD (UNIS)

Svalbard (78°N) is the northernmost location on earth that easily can be visited any time of the year. UNIS is the only higher education institution in the High Arctic and offers students from all over the world excellent field- and research based education about the Arctic – in the Arctic. UNIS educates about 400 students per year, 50% of the student body is international.

ACRONYM	UNIS
INSTITUTION TYPE	University centre
POSTAL ADDRESS	PB 156
POSTAL CODE	9171
CITY	Longyearbyen, Norway
PHONE	+47 79 02 33 00
FAX	+47 79 02 33 01
EMAIL	post@unis.no
WEB SITE	www.unis.no

ARCTIC MARINE BIOLOGY

PROGRAMME DESCRIPTION

UNIS emphasizes the biological studies (taxonomy, diversity, ecology, physiology) of the marine fauna of Svalbard related to the physical and chemical environment. Easy access to key habitats gives students and researchers at UNIS a unique opportunity to identify and quantify environmental threats in addition to basic knowledge of the Arctic. Field activities are undertaken year-round in combination with regular classroom lectures and laboratory exercises. This integrated approach provides students with a first hand experience of the biological processes and the natural history of the marine flora and fauna in an Arctic environment.

UNDERGRADUATE COURSES

AB-202 Marine Arctic Biology (15 ECTS)

AB-203 Arctic Environmental Management (15 ECTS)

AB-204 Polar Ecology and Population Biology (15 ECTS)

GRADUATE COURSES

AB-320 Marine Zooplankton and Sympagic Fauna of Svalbard Waters (10 ECTS)

AB-321 Marine Benthic Fauna of Svalbard (10 ECTS)

AB-322 Flux of Matter and Energy from Sea to Land (10 ECTS)

AB-323 Light Climate and Primary Productivity in the Arctic (10 ECTS)

AB-330 Ecosystems in Ice Covered Waters (10 ECTS)



UNIVERSITY OF BERGEN (UiB)

The University of Bergen is a young and modern university. The focus on international cooperation has been essential from the beginning, and has earned the institution the reputation as Norway's international university. The university aims to be a national centre for development research and contribute considerably in research related to this field.

ACRONYM	UiB
INSTITUTION TYPE	University
POSTAL ADDRESS	Postboks 7800
POSTAL CODE	N-5020
CITY	Bergen, Norway
PHONE	+47 55 58 00 00
FAX	+47 55 58 96 43
E-MAIL	post@uib.no
WEB SITE	www.uib.no

MASTER'S PROGRAMME IN FISHERIES BIOLOGY AND MANAGEMENT

www.uib.no/studyprogramme/MAMN-FIFO

PROGRAMME DESCRIPTION

The programme (120 ECTS) focuses on giving you an overview of the discipline of fisheries biology with the emphasis on how exploitation and other external factors influence the living resources in the sea. The programme will give you good knowledge of the systematics, anatomy, physiology, behaviour, development, life history and ecology of fish, in addition to oceanography and marine ecosystems. You will also gain practical experience of work in fisheries biology in the laboratory, in the field and on a research vessel.

MASTER'S PROGRAMME IN AQUACULTURE BIOLOGY

www.uib.no/studyprogramme/MAMN-HAV

PROGRAMME DESCRIPTION

The programme (120 ECTS) focuses on juvenile production of salmonids and marine fish. The emphasis is on life history strategies, especially reproductive physiology and ontogeny (smoltification and metamorphosis). The programme will give you the in-depth scientific and technical skills required to study the interaction

between the environment and development, growth and reproduction of important farmed species. You will gain insight into and experience of physiology, endocrinology, histology and molecular methods. You will also gain practical experience of intensive and extensive farming systems, learn about Norwegian laws and regulations for fish farming and obtain an overview of international aquaculture.

MASTER'S PROGRAMME IN MARINE BIOLOGY

www.uib.no/studyprogramme/MAMN-MAR

PROGRAMME DESCRIPTION

The programme (120 ECTS) will provide in-depth insight into and an overview of the discipline of marine biology. You can choose between three different areas within marine biology; Marine Biodiversity, Aquatic Ecology and Fish Biology. The Department of Biology at the University of Bergen is Norway's largest academic environment in marine biology. The department has laboratories with advanced research equipment, and a marine biological station in a protected fjord. We also cooperate with the Institute of Marine Research and the National Institute of Nutrition and Seafood Research.

MASTER'S PROGRAMME IN NUTRITION (NUTRITION OF AQUATIC ORGANISMS IN AQUACULTURE)

www.uib.no/studyprogramme/MAMN-NU

PROGRAMME DESCRIPTION

The program (120 ECTS) is carried out at the Norwegian Institute of Nutrition and Seafood Research and is a part of the UoBs Aquaculture education. The aim of the program is to give a profound understanding of the nutritional demands of fish and other farmed aquatic organisms. Research is usually in broodstock nutrition and juvenile nutrition, feed resources, growth and quality of food fish, as well as the interaction between nutrition and health and nutritional toxicology. The Master thesis can be on any specialization within these topics and will normally be two semesters.

MASTER'S PROGRAMME IN METEOROLOGY AND OCEANOGRAPHY

www.uib.no/studyprogramme/MAMN-GEOF

PROGRAMME DESCRIPTION

The Master's programme in Geophysics (120 ECTS) at UiB is unique, because you will be introduced to both meteorology and oceanography, irrespective of which of the



Photo: © Frye Poppe/Nowegian School of Veterinary Science

four specialisations you choose. You can choose between four fields of specialisations; Chemical Oceanography, Climatology, Meteorology and Physical Oceanography.

JOINT NORDIC MASTER'S PROGRAMME IN MARINE ECOSYSTEMS AND CLIMATE

www.uib.no/studyprogramme/JMAMN-MCLI

PROGRAMME DESCRIPTION

The programme (120 ECTS) aims to give you a solid understanding of how biology, physics and chemistry are all integral components in the functioning of marine ecosystems. You will learn how to apply concepts from all these disciplines to address interdisciplinary marine problems, while still maintaining and utilizing your specialization from earlier studies in either biological or physical oceanography. You will learn how to collect and use information on marine biological systems and physical parameters in an area and to formulate potential impacts of climate changes on the system. You will also learn how to carry out oceanographic field work, and the functioning and use of the most common oceanographic equipment.

MASTER'S PROGRAMME IN EARTH SCIENCE

www.uib.no/studyprogramme/MAMN-GEOV

PROGRAMME DESCRIPTION

The programme (120 ECTS) aims to give you broad general knowledge of earth science, as well as an introduction to research in your chosen speciality. The proximity to Norwegian offshore oil fields and access to two ocean-going research vessels equipped for marine geology and geophysics research, provide excellent opportunities for projects in the petroleum research and marine research fields. You can choose between five fields of specialisation affiliated to the five main research groups at the department; Marine Geoscience, Geobiology, Geodynamics, Petroleum Geoscience and Quaternary geology and paleoclimate.

MASTER'S PROGRAMME IN CHEMISTRY

www.uib.no/studyprogramme/MAMN-KJEM

PROGRAMME DESCRIPTION

The programme (120 ECTS) offers opportunities in a broad range of fields of relevance for the marine environment and ecosystem, as well as the harvesting of marine resources. In Environmental Chemistry the transport, accumulation, fate

and effects of chemical pollutants in the ocean are studied. This can be persistent organic pollutants, petroleum compounds or non-organic compounds. Projects are carried out in close cooperation with research institutes and other organizations working in this field. Research for understanding the marine food web and ecology are carried out in analytical chemistry. Projects may also focus on issues of relevance for aquaculture, fisheries, and the development of special products, such as pharmaceutical compounds from the ocean. Within the fields of petroleum chemistry there are research activities addressing petroleum analysis, and characterisation and effects of microbial hydrocarbon degradation.

MASTER'S PROGRAMME IN APPLIED AND COMPUTATIONAL MATHEMATICS

www.uib.no/studyprogramme/MAMN-MAB

PROGRAMME DESCRIPTION

The program (120 ECTS) will provide you with substantial knowledge of mathematical modelling of processes from fields in the natural sciences, industry, resource handling and other areas. The computation methods and methods of applied analysis are taken from mathematics, numerical mathematics and informatics. You will learn to estimate models and use solution methods and learn how to use them in different fields of research. You can choose between specialisations in Hydrodynamics and ocean modelling, Applied analysis, Computational mathematics, Environmental mathematics, Image processing, Mechanics and dynamic systems, Numerical mathematics, Reservoir dynamics and Inverse problems.

MASTER'S PROGRAMME IN PHYSICS

www.uib.no/studyprogramme/MAMN-PHYS

PROGRAMME DESCRIPTION

You can choose between several specialisations or, by agreement, combine different specialisations. Choose between specialisations in Underwater acoustics, Measurement science, Microelectronics, Nuclear physics, Optics and atomic physics, and Space physics. Theoretical physics and energy physics.

FUTURE.



NOW.



UNIVERSITY OF OSLO (UIO)

The University of Oslo was founded in 1811, and is among Europe's leading institutions of higher education. UiO takes great pride in upholding traditions in academic excellence and research driven learning. Today the University has almost 30,000 students and a staff of 5,600. In 2011 students are invited to participate in a wide range of celebrations in connection with the University's 200th Anniversary.

ACRONYM	UiO
INSTITUTION TYPE	University
POSTAL ADDRESS	1072 Blindern
POSTAL CODE	N-0316
CITY	Oslo
PHONE	+47 22 85 82 00
E-MAIL	international@admin.uio.no
WEB SITE	www.uio.no

MASTER'S PROGRAMME IN BIOLOGY, PROGRAMME OPTION MARINE BIOLOGY AND LIMNOLOGY

PROGRAMME DESCRIPTION

The Master's programme (120 ECTS) provides research driven and in-depth insight into a selected discipline within marine biology or limnology. The programme option focuses on the importance of understanding the habitat, be it the ocean, lake or river. You will gain experience in making use of various scientific methods through quantitative analysis and logical thinking. The degree qualifies you to independently carry out field work and laboratory work. The programme option lays emphasis on a critical understanding of academic papers. You will also receive training in how to present scientific topics and research results, both verbally and in writing.

MASTER'S PROGRAMME IN GEOSCIENCES, PROGRAMME OPTION ENVIRONMENTAL GEOLOGY AND GEOHAZARDS

PROGRAMME DESCRIPTION

The Master's programme (120 ECTS) provides an in-depth understanding of the following areas: Hydrogeology and contamination of soil and water, Environmental micropaleontology and Geohazards – assessment and mitigation. The Department of Geosciences at UiO has a broad research profile in groundwater flow, contaminant transport and remediation. The research is based on laboratory and field experiments as well as computer simulations. You will also learn about the assessment, prevention and mitigation of geohazards, including risks associated with landslides and mass transport in soil and rock due to rainfall, flooding, earthquakes and human intervention.

MASTER'S PROGRAMME IN PHYSICS, PROGRAMME OPTION HYDRO-ACOUSTIC AND SUBSEA TECHNOLOGY

PROGRAMME DESCRIPTION

The Master's programme (120 ECTS) ELDAT/Instrumentation (Electrical Engineering) focuses on topics related to applications where underwater sound is applied for monitoring purposes. This involves studies of sound propagation and sound interaction with targets, bottom and surface, hardware development, programming, field measurements, and production of methods for analysis. The fieldwork's focus is on the sea, lakes or rivers. The programme has a broad network of international contacts and collaborative projects.

UNIVERSITY OF STAVANGER (UIS)

The University of Stavanger has about 8,000 students and 900 employees. UiS also has the pleasure of having a number of research institutions in the university's immediate vicinity. Cooperation with these academic partners is of mutual benefit.

ACRONYM	UiS
INSTITUTION TYPE	University
STREET ADDRESS	Kristine Bonnevis vei 30
POSTAL CODE	N-4036
CITY	Stavanger, Norway
PHONE	+47 51 83 10 00
FAX	+47 51 83 10 50
E-MAIL	admissions@uis.no
WEB SITE	www.uis.no/frontpage

MSC IN ENVIRONMENTAL ENGINEERING

Duration/Credits: 2 years, 120 ECTS

Place: Stavanger

The programme offers two areas of specialisation: Offshore Environmental Engineering and Water Science and Technology

1.1. OFFSHORE ENVIRONMENTAL ENGINEERING

Students who seek to pursue a career in the oil and gas industry or in offshore related service and research companies are offered a full time MSc degree in Offshore Environmental Engineering. The philosophy of this programme is to combine courses in offshore oil and gas exploration, production technologies and environmental management. The programme is suited for students who are interested in practical technological and administrative techniques for sustainable environmental management in the offshore industries. Successful candidates will qualify for key positions in environmental engineering and management.

1.2. WATER SCIENCE AND TECHNOLOGY

The MSc programme in Water Science and Technology is offered to students who want to specialise in aquatic chemistry and ecology and technologies for water and wastewater treatment. The natural science and research based programme seeks to provide students with fundamental and advanced insight into aquatic chemistry, environmental biotechnology and water process engineering. Our approach is to use fundamental mass and energy balance approaches for design and operation of water and wastewater processing technologies. Successful candidates qualify for positions in governmental and private research institutions, public and private environmental management and technical consultants, and as environmental engineers within the industry.

For admission requirements and additional information, please visit our website: www.uis.no/study_programmes/degree_programmes_in_english/environmental_engineering



UNIVERSITY OF TROMSØ (UIT)

The University of Tromsø with 8,500 students and 2,400 staff members is the northernmost university in the world and one of 7 universities in Norway. It offers a broad range of subject fields in six faculties/schools with studies in humanities, arts, social sciences, natural sciences/mathematics/statistics/informatics, law, medical sciences and fisheries science. All the main subject areas are offered at Bachelor's, Master's and PhD level. The prioritised research subject fields are mainly related to the Arctic and subarctic regions; Northern Light and space research, fisheries research, biotechnology, multicultural societies, indigenous studies, community medicine, theoretical linguistics, among others.

ACRONYM	UiT
INSTITUTION TYPE	University
STREET ADDRESS	Breivika
POSTAL CODE	N-9037
CITY	Tromsø, Norway
PHONE	+47 77 64 40 00
FAX	+47 77 64 49 00
E-MAIL	postmottak@uit.no
WEB SITE	www2.uit.no/www/inenglish

MASTER OF SCIENCE IN INTERNATIONAL FISHERIES MANAGEMENT

Credits: 120 ECTS

Place: Tromsø

PROGRAMME DESCRIPTION

Master in "International Fisheries Management" is a multidisciplinary study within fisheries management and aquaculture. The programme offers a basic background in biology, economics and administration, all related to fisheries and aquaculture. The possibility of choosing your own master thesis gives you the opportunity of adjusting the study according to individual interests, which in turn has proved efficient on the labor market. The students may specialize in biology, economics or administration or a combination (with one or more supervisors).

More information: www2.uit.no/ikbViewer/page/studiesokere/studietilbud/studieprogram_en?studieprogram=39580&ar=2010&p_d_i=47400&p_d_c=&p_d_v=170451&semester=H&p_document_id=170451

MASTER OF LAWS IN LAW OF THE SEA

Credits: 90 ECTS

Place: Tromsø

PROGRAMME DESCRIPTION

The programme aims through its courses and master's thesis to give the students a broad introduction and knowledge of the Law of the Sea, including its development and the political and institutional aspects. Further, the programme shall add to the skills of the students to identify, analyse, explain and solve legal problems; both on a theoretical and a practical level. There will be a special focus on the relevance and application of the Law of the Sea to the Arctic.

More information: www2.uit.no/ikbViewer/page/studiesokere/studietilbud/studieprogram_en?studieprogram=42847&ar=2010&p_d_i=-47400&p_d_c=&p_d_v=168894&semester=H&p_document_id=168894

MASTER'S DEGREE PROGRAM IN BIOLOGY (DISCIPLINE IN MARINE ECOLOGY)

Credits: 120 ECTS

Place: Tromsø

PROGRAMME DESCRIPTION

Master degree projects reflect the University of Tromsø's unique geographic location and the research specializations of the Department of Arctic and Marine Biology staff members.

These include studies of:

- physiological-, behavioural- and evolutionary adaptations of high-latitude terrestrial and aquatic organisms
- ecological relationships within northern ecosystems
- strategies for management of ecosystems and natural resources
- plant regulatory networks
- plant-microbe interactions

MASTER IN GEOLOGY (MARINE GEOLOGY AND GEOPHYSICS)

Credits: 120 ECTS

Place: Tromsø

PROGRAMME DESCRIPTION

The research in geology at UiT focuses mainly on fieldwork in Northern Norway, on climate and marine geology with research cruises in the polar areas. We have unique geology right outside our doorstep, which gives us a special understanding of the processes that shape the earth. Close cooperation with the oil industry ensures relevant master projects for the market.

COURSES ON BACHELOR LEVEL

BIO-2504 Fish Physiology

BIO-2506 Introduction to fish biology

BIO-2508 Aquaculture I (10 ECTS)

BIO-2509 Aquaculture II (10 ECTS)

BIO-2610 Project Thesis in Marine Biotechnology (10 ECTS)

BIO-2611 Project Thesis in Aquatic Biology (10 ECTS)

BIO-2612 Project Thesis in Aquatic Ecology (10 ECTS)

BIO-2514 Marine ecology (20 ECTS)

BIO-2610 Project Thesis in Marine Biotechnology (10 ECTS)

COURSES ON MASTER LEVEL

BIO-3001 Anthropogenic pollution and environmental impact in marine Arctic environments I

BIO-3002 Ecological Applications

BIO-3309 Safety in the laboratory and on sea and land expeditions

BIO-3502 Experimental Design in Aquatic Biology

BIO-3512 Early life of marine fish (10 ECTS)

BIO-3516 The biological basis of fisheries science

BIO-3521 Seminar in freshwater ecology

BIO-3522 Seminar in marine ecology

BIO-3556 Fishery biology and harvest technology

BIO-3557 Fisheries ecology (10 ECTS)

FSK-3007 Fisheries management (10 ECTS)

FSK-3005 Fisheries profiles (10 ECTS)

GEO-3111 Reconstructing Quaternary Marine Climate and Environments (10 ECTS)

GEO-3121 Marine Geology (10 ECTS)

GEO-3123 Marine Geophysics (10 ECTS)

GEO-3144 Marine geology and geophysics cruise (5 ECTS)

JUR-3050 General law of the sea (15 ECTS)

JUR-3052 Law of the Sea and Marine Biodiversity (15 ECTS)

JUR-3053 Law of the Sea and the Arctic (15 ECTS)

COURSES ON PHD LEVEL

BIO-8001 Biosystematics methods and biodiversity (2 ECTS)

BIO-8106 Northern populations and ecosystems (10 ECTS)

BIO-8501 Aquatic physiology (10 ECTS)

BIO-8512 Arctic marine ecosystem research network (2 ECTS)

GEO-8144 Marine geology and geophysics cruise (5 ECTS)



Photo: © Vidua, Dooze/LUIS

SCHOLARSHIPS

Most Norwegian institutions have various bilateral agreements with foreign institutions of higher education. These agreements are usually designed for the mutual exchange of students, researchers and teachers. However, there are national programmes that offer scholarships and other types of funding for international students wishing to study in Norway. Certain restrictions and prerequisites apply for all these programmes.

Updates are available on:

www.studyinnorway.no/tuition_scholarships

SOURCES OF INFORMATION

Ministry of Fisheries and Coastal Affairs:

www.regjeringen.no/en/dep/fkd.html?id=257

Fisheries.no: www.fisheries.no

Norway Portal: www.norway.info

The Research Council of Norway: www.rcn.no

The Official Norwegian Trade Portal: www.nortrade.no

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