University of Stavanger

Årsstudium- Havvind *(60ECTS) – 2025+*

One-Year Study program: Offshore wind energy – 2025+

Main contacts

Dr. Mona W. Minde
Head of Dept. IMBM, UiS
<mona.w.minde@uis.no>

Prof. Jayantha P. Liyanage
Study program director, Årsstudium Havvind, IMBM, UiS
<j.p.liyanage@uis.no>

The Årsstudium – Havvind is divided into **2 specific specializations/studieretninger**, namely; ***Offshore wind energy – Engineering*** and ***Offshore wind energy - Projects and Operations***.

- The specialization/studieretning of ***Offshore wind energy – Engineering*** is open only for students with a Bachelor or Master degree in engineering, technology, or equivalent.
- The specialization/studieretning of ***Offshore wind energy - Projects and Operations*** is also open for students with a Bachelor or Master degree in engineering, technology, or equivalent. In addition, it is also open for students who have a Bachelor or Master degree in another relevant discipline such as, economics, projects, industrial services sector, legal, technology, business management, mathematics and natural sciences, etc.

Admission Requirements

Admission requirements for specialization/studieretning: Offshore wind energy – Engineering

A bachelor or master degree in engineering, technology, or equivalent is required. Applicants must have at least 25 ECTS in mathematics, 5 ECTS in statistics and 7,5 ECTS in Physics. Applicants who have Engineering degrees with relatively less mathematical and physics background may also be considered by the admission committee for admission based on a prior professional assessment (*faglig vurdering*) of the overall background of such Applicants.

Admission requirements for specialization/studieretning: Offshore wind energy - Projects and Operations

A bachelor or master degree in engineering, technology, natural sciences, economics, projects, industrial services sector, legal, technology, business management, mathematics and natural sciences, or equivalent is required. Applicants with other types of relevant educational background may also be considered by the admission committee based on a prior professional assessment (*faglig vurdering*) of the overall background of such Applicants.

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Study program structure

Principal program structure

Semester	General Obligatory Courses	Specialization/Studieretning Courses
1H	WIN100 Introduction to Offshore Wind Energy (10) IND510 Project Management (5)	*Offshore wind energy – Engineering* OR *Offshore wind energy - Projects and Operations*
2V	IAM560 - Industrial assets, Modern uncertainties, and Performance (10) BRV110 - Contracts Law (10)	*Offshore wind energy – Engineering* OR *Offshore wind energy - Projects and Operations*

Specialization / Studieretning: Offshore wind energy – Engineering

Semester	Specialization/Studieretning Courses
1H	Recommended Selectives: Offshore wind energy - Engineering • OFF615 Offshore wind turbine engineering (H), 10 • BYG550 Structural Dynamics (H), 10 • IAM540 Condition monitoring and Predictive maintenance (H), 10 • MSK600 Computational Fluid Dynamics (H), 5 *Other Selectives: Offshore wind energy – Engineering* • *MSK540 Finite Element Methods, Advanced Course (H), 10* • *DAT540 Introduction to Data Science (H), 10* • *IND500 Investment Analysis (H), 5*
2V	Recommended Selectives: Offshore wind energy - Engineering • OFF505 Oceanography (V), 5 • BYG540 Fatigue and Fracture (V), 5 • IAM510 Smart Operations and Maintenance (V), 10 *Other Selectives: Offshore wind energy - Engineering* • *RIS510 Reliability analysis (V), 10* • *MSK530 Mechanics of Solids, Advanced Course (V), 10* • *DAT550 Data Mining and Deep Learning (V), 10*

Specialization / Studieretning: Offshore wind energy - Projects and Operations

Semester	Specialization/Studieretning Courses
1H	Recommended Selectives: Offshore wind energy - Projects and Operations • IAM680 Practical Training Course in Industrial Asset Management (H),10 • IND610 Contracts - Design and Management (H), 10 • IND500 Investment Analysis (H), 5 *Other Selectives: Offshore wind energy - Projects and Operations* • *MOD500 Decision Analysis with Artificial Intelligence Support (H), 10* • *MSB285 Economics of Energy Markets (H), 10*
2V	Recommended Selectives: Offshore wind energy - Projects and Operations • IND550 Project Cost Estimation and Risk Analysis (V), 10 • IAM510 Smart Operations and Maintenance (V), 10 • MEE200 Geopolitics of the Energy Transition (V), 10 Other Selectives: *Offshore wind energy - Projects and Operations* • N/A