

# Supplementary rules for admission to master studies at the Faculty of Science and Technology

This document is a translation of a legally binding document originally written in Norwegian. If a dispute arises as to the interpretation of this document, the Norwegian version takes precedence.

Stipulated by the Education Committee at the University of Stavanger on 9<sup>th</sup> October 2024, in accordance with section 1-5 in the Regulation Concerning Admission to Studies and Courses at the University of Stavanger.

## § 1. Scope

These supplementary rules apply to admission to master studies of 120 ECTS credits at the Faculty of Science and Technology at the University of Stavanger, and these rules are a supplement to the Regulations Concerning Admission to Studies and Courses at the University of Stavanger.

## § 2. Assignment of Admission Committee

The Dean of the Faculty of Science and Technology appoints the Admission Committee for each master programme every spring. The Admission Committee should consist of a student representative and at least one academic permanent employee associated with the study program. The Admission Committee will process applications on the basis of special assessment, validation of prior learning, and other educations that can be approved as equivalent.

## § 3. Conditional Admission

If there are fewer applicants than study places, applicants who lack no more than 10 ECTS credits to be qualified can get conditional admission. The applicants must meet a minimum grade average comparable to a Norwegian C (according to ECTS standards) in the Bachelor's degree. The missing ECTS credits must be completed during the first year of the master, or the student will lose the study right. Applicants living abroad with a foreign educational background are not eligible for conditional admission.

## § 4. Admission Requirements

### §4.1 Admission requirement for Master in Computer Science

A bachelor's degree within computer engineering, computer science, informatics or similar with at least 50 ECTS credits in computer science/computer engineering. Applicants must have the equivalent of 20 ECTS credits in mathematics or statistics.

If you have completed studies/courses outside the University of Stavanger, you must upload course descriptions that clearly define the curriculum (learning outcomes), together with your transcript of records. The course names and codes on the course descriptions must match the transcript of records. If you do not provide course descriptions, your application might not be prioritized.

### §4.3 Admission requirement for Master in Data Science:

A bachelor's degree in engineering or equivalent is required. The degree must include at least 10 ECTS credits in programming + 10 ECTS credits in informatics/computer science. Applicants must have the equivalent of 25 ECTS credits in mathematics, 5 ECTS credits in statistics and 7,5 ECTS credits in Physics.

In case programming and computer engineering subjects cannot be confirmed through the Bologna Process Framework for Learning Outcomes, at least 50 ECTS credits in programming and computer engineering subjects will be required.

Only degrees from accredited universities from the following countries are confirmed through the Bologna Process: [List of countries](#).

If the country where you completed your degree is not included in the list above, a minimum of 50 credits in programming and computer engineering subjects is required.

If you have completed studies/courses outside the University of Stavanger, you must upload course descriptions that clearly define the curriculum (learning outcomes). The course names and codes on the course descriptions must match the transcript of records. If you do not provide course descriptions, your application might not be prioritized.

#### §4.4 Admission requirement for Master of science in Petroleum Engineering:

A bachelor's degree within energy- and petroleum engineering or geosciences with at least 20 ECTS credits in energy- and petroleum engineering courses. Applicants with a bachelor's degree in other engineering disciplines may also be considered if they document at least 20 ECTS credits in energy- and petroleum engineering courses. Applicants must have the equivalent of 25 ECTS credits in mathematics, 5 ECTS credits in statistics and 7,5 ECTS credits in Physics.

#### §4.5 Admission requirement for Master of science in Computational Engineering:

A bachelor's degree in engineering or equivalent is required. The degree must include at least 10 ECTS credits in computer sciences or computer engineering courses, or an introductory course for engineers including programming. Applicants must have the equivalent of 25 ECTS credits in mathematics, 5 ECTS credits in statistics and 7,5 ECTS credits in Physics.

#### §4.6 Admission requirement for Master of Science in Environmental Engineering:

##### a) **Specialization for engineering students**

A bachelor's degree in engineering or other technical/natural sciences degrees with at least 15 ECTS credits in chemistry and basic knowledge in biology. Applicants must have the equivalent of 25 ECTS credits in mathematics, 5 ECTS credits in statistics and 7,5 ECTS credits in physics. As several courses contain integrated chemistry, an individual and academic assessment of the applicants will be made.

##### a) **Specialization for natural sciences students**

A bachelor's degree in engineering or other technical/natural sciences. Applicants must have the minimum of 20 ECTS credits in mathematics, programming, statistics, physics, biology or chemistry. In addition, all applicants must have at least one calculus-based mathematics course and one chemistry course.

#### §4.7 Admission requirement for Master of science in Structural and Mechanical Engineering:

- a) **Specialisation in Mechanical Engineering:** A bachelor's degree in mechanical, material, marine, process, structural engineering or equivalent with good foundation within construction, material and/or engineering fluid mechanics. Applicants must have the equivalent of 25 ECTS credits in mathematics, 5 ECTS credits in statistics and 7,5 ECTS credits in Physics.
- b) **Specialisation in Structural Engineering:** A bachelor's degree in civil engineering or equivalent with minimum 40 ECTS credits of structural engineering courses is required. Applicants must have the equivalent of 25 ECTS credits in mathematics, 5 ECTS credits in statistics and 7,5 ECTS credits in Physics.

#### §4.8 Admission requirement for Master of science in Marine and Offshore Technology:

A bachelor's degree within one of the following disciplines or equivalent degree is required: Mechanical engineering, civil/structural engineering, marine engineering, offshore engineering, subsea engineering, process engineering, materials engineering, energy- and petroleum engineering. Applicants must have the equivalent of 25 ECTS credits in mathematics, 5 ECTS credits in statistics and 7,5 ECTS credits in Physics.

#### §4.9 Admission requirement for Master of Science in Industrial Asset Management:

##### **a) Specialization in Asset Engineering and Digitalisation Processes**

A bachelor's degree in any engineering discipline is required. Applicants must have the equivalent of 25 ECTS credits in mathematics, 5 ECTS credits in statistics and 7,5 ECTS credits in Physics.

It may be an advantage if the applicant has taken subjects related to engineering, technical and operational aspects of engineering facilities/systems and processes in the bachelor's degree and/or has relevant technical and operational industrial experience related to engineering systems and processes.

##### **a) Specialization in Sustainable Assets and Smart Operations**

A bachelor's degree in a relevant field such as general engineering, projects and contracts, economics and business management, operations management, supply chain and logistics, construction and construction management, industrial production, industrial services, industrial technologies, and general management, as well as other social sciences and business-related disciplines. Applicants with other educational backgrounds will also be evaluated by the admissions committee.

In general, it can be an advantage if an applicant has taken courses relevant to industrial facilities, industrial systems and processes, infrastructure, and the public sector in their bachelor's degree and/or has relevant industry experience.

#### §4.10 Admission requirement for Master of Science in City and Regional Planning:

A bachelor's degree within planning, civil engineering, architecture, or equivalent. The degree must include minimum 30 ECTS credits in physical planning, city and regional planning, landscape engineering, environmental or urban management, technical planning, or equivalent.

#### §4.11 Admission requirement for Master of Science in Risk Analysis:

##### **a) Specialization in Risk Governance:**

A bachelor's degree within social sciences, natural sciences, psychology, pedagogy, social anthropology, law, geography, engineering, mathematics, statistics, biology, chemistry, physics, urban planning and societal safety, political science, economics.

Other backgrounds that may meet the requirements for admission include: customs and border management, police, teacher education, health and social care, journalism, hotel management, and tourism management, social sciences, health and social sciences, economics and administration, history, and philosophy of science.

Applicants with other types of educational background will be evaluated by the admission committee.

##### **a) Specialization in Engineering and Technology:**

A bachelor's degree in engineering, technology, mathematics (including statistics), natural sciences or equivalent is required. Applicants must have at least 20 ECTS credits in mathematics/statistics/calculus. At least 5 ECTS credits must be statistics.

§4.12 Admission requirement for Master of Science in Energy, Reservoir and Earth Sciences: Bachelor's degree in natural sciences, engineering, or equivalent, which includes at least 10 ECTS credits in mathematics.

§4.13 Admission requirement for Master of Science in Biological Chemistry:

A bachelor's degree within one of the following disciplines is required: Biological chemistry, molecular biology, cell biology, chemistry. The degree must include 90 ECTS credits in chemistry and molecular biology/biology and 10 ECTS credits in mathematics/statistics/calculus.

§4.14 Admission requirement for Master of Science in Mathematics and Physics:

A bachelor's degree within one of the following disciplines is required: Mathematics/Physics. Applicants with another bachelor's degree may also be considered if they document at least 120 ECTS credits in mathematics and physics.

§4.15 Programmes taught in Norwegian

The admission requirements for programmes taught in Norwegian is not included in this translation and can be found in the Norwegian version of this document. These programmes are:

- *Master i teknologi - sivilingeniør i kybernetikk og anvendt KI*
- *Master i teknologi - sivilingeniør i Industriell økonomi*
- *Master i samfunnssikkerhet*

## § 5. Minimum Grade Average

There is a requirement for minimum grade average of C on the ECTS scale. The grade average is calculated in accordance with section 8 and section 9 in these supplementary rules.

## § 6. Language requirement

All master programmes at the Faculty of Science and Technology have international admission, except the following:

- Master in Technology, kybernetikk og anvendt KI (Teaching language is Norwegian)
- Master in Technology, Industriell økonomi (Teaching language is Norwegian)
- Master in Samfunnssikkerhet (Teaching language is Norwegian)

There is no requirement for Norwegian language proficiency for other master programmes at the Faculty of Science and Technology. However, there is a requirement for English language proficiency in accordance with the Higher Education Entrance Qualification (Generell studiekompetanse) or GSU-list, in accordance with the Regulation Concerning Admission to Studies and Courses at the University of Stavanger, §3-2

## § 7. Requirement for Norwegian proficiency for foreign applicants to master programmes taught in Norwegian

Applicants with education from countries outside the Nordic countries must document Norwegian language proficiency in accordance with the Regulation Concerning Admission to Higher Education. The Norwegian language requirements do not apply to applicants who apply to study programs taught in a foreign language, and students who participate in International Exchange programmes, cf. Regulation Concerning Admission to Higher Education, section 2-2 point (5).

## § 8. Ranking of applicants with Norwegian education background

In case there are more applicants than available study places, the applicants will be ranked in accordance with section 3-3 in the Regulation Concerning Admission to Studies and Courses at the University of Stavanger.

The average grade is calculated as the weighted average of the grades.

## § 9. Ranking of applicants with foreign education background

Applicants are evaluated and ranked in accordance with section 3-4 in the Regulation Concerning Admission to Studies and Courses at the University of Stavanger.

Applicants with a result Second-class lower Division or lower are not qualified for admission.

## § 10. Commencement

Supplementary rules take effect from and including the 2025-2026 academic year.