Supplementary Regulations for Admission to master's degree Programmes 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 24 September 2025, in accordance with section 1-5 in the Regulation Concerning Admission to Studies and Courses at the University of Stavanger.

§ 1 Scope

These supplementary regulations apply to admission to two-year (120 ECTS credits) master's degree programmes at the Faculty of Science and Technology at the University of Stavanger and serve as a supplement to the Regulations relating to Admission to Studies and Courses at the University of Stavanger.

§ 2 Appointment of the Admission Committee

The Dean of the Faculty of Science and Technology shall appoint one admission committee per master's programme and other study programmes on higher level each spring. The committee should consist of one student representative and at least one permanently employed academic staff member affiliated with the programme. The committee shall normally assess applications based on special assessment, recognition of prior learning, and other considerations related to whether alternative educational backgrounds can be approved as equivalent.

§ 3 Conditional Admission

If there are too few qualified applicants to fill all available places, applicants who lack up to 10 ECTS credits to meet the admission requirements may be granted conditional

admission. These applicants must meet the C-grade requirement in completed examinations. Missing exams must be passed within one year, otherwise the student will lose their right to study. Conditional admission is not granted to students residing abroad with a foreign educational background.

§ 4 Admission Requirements

4.1 Master's Programme in Computer Science

a) Specialisation for Engineering Students

Admission requires a completed bachelor's degree in computer science, informatics or similar, with a minimum of 50 ECTS credits in informatics/computer science courses. A minimum of 25 ECTS credits in mathematics, 5 ECTS credits in statistics, and 7.5 ECTS credits in physics is required. Applicants with foreign education must have the equivalent.

If you have completed studies/courses outside the University of Stavanger, you must upload original course descriptions in Norwegian or English, which include clearly defined learning outcomes (curriculum). The course titles and codes must match the transcript of records. If you do not upload course descriptions, your application may be deprioritised.

b) Specialisation for Science Students

Admission requires a completed bachelor's degree in computer science, informatics or similar, with a minimum of 50 ECTS credits in informatics/computer science courses. In addition, students must have at least 20 ECTS credits in mathematics or statistics.

If you have completed studies/courses outside the University of Stavanger, you must upload original course descriptions in Norwegian or English, which include clearly defined learning outcomes (curriculum). The course titles and codes must match the transcript of records. If you do not upload course descriptions, your application may be deprioritised.

4.2 Master's Programme in Data Science

Admission requires a completed bachelor's degree in engineering or equivalent education with at least 10 ECTS credits in programming and 10 ECTS credits in computer science courses. A minimum of 25 ECTS credits in mathematics, 5 ECTS credits in statistics, and 7.5 ECTS credits in physics is required. Applicants with foreign education must have the equivalent.

If the specific content of programming and computer science courses cannot be confirmed through standardised learning outcome descriptions (Bologna process), a total of 50 ECTS credits in programming and computer science may be required.

If you have completed studies/courses outside the University of Stavanger, you must upload original course descriptions in Norwegian or English, which include clearly defined learning outcomes (curriculum). The course titles and codes must match the transcript of records. If you do not upload course descriptions, your application may be deprioritised.

4.3 Master's Programme in Cybernetics and Applied AI

Admission requires a completed bachelor's degree in engineering in electrical engineering or other studies with at least 50 ECTS credits in electrical and computer engineering courses, including programming, control systems or equivalent. A minimum of 25 ECTS credits in mathematics, 5 ECTS credits in statistics, and 7.5 ECTS credits in physics is required. Applicants with foreign education must have the equivalent.

4.4 Master's Programme in Petroleum Engineering

Admission requires a completed bachelor's degree in engineering in energy and petroleum technology, or a bachelor's degree in engineering in geosciences with at least 20 ECTS credits in specialisation courses within energy and petroleum technology. The engineering degree must comply with the national framework plan for engineering education. A three-year engineering bachelor's degree with a minimum of 20 ECTS credits in specialisation courses in energy and petroleum technology may also qualify. A minimum of 25 ECTS credits in mathematics, 5 ECTS credits in statistics, and 7.5 ECTS credits in physics is required. Applicants with foreign education must have the equivalent.

4.5 Master's Programme in Computational Engineering

Admission requires a completed bachelor's degree in engineering or equivalent, with at least 10 ECTS credits in informatics, computer science, or an introductory engineering course with programming. A minimum of 25 ECTS credits in mathematics, 5 ECTS credits in statistics, and 7.5 ECTS credits in physics is required. Applicants with foreign education must have the equivalent.

4.6 Master's Programme in Environmental Engineering

a) Specialisation for Engineering Students

Admission requires a completed bachelor's degree in engineering with at least 15 ECTS credits in chemistry and basic knowledge of biology. Another science or engineering bachelor's degree with the same chemistry and biology background may also qualify. A minimum of 25 ECTS credits in mathematics, 5 ECTS credits in statistics, and 7.5 ECTS credits in physics is required. Applicants with foreign education must have the equivalent.

Since several courses include integrated chemistry, an individual academic assessment will be made for applicants to this programme.

b) Specialisation for Science Students

Admission requires a completed relevant bachelor's degree in natural sciences or engineering. All applicants must have at least 20 ECTS credits in mathematics, programming, statistics, physics, biology, or chemistry as part of the bachelor's degree. In addition, applicants must have completed at least one calculus-based mathematics course and one course in chemistry.

4.7 Master's Programme in Structural and Mechanical Engineering

a) Specialisation in Mechanical Engineering

Admission requires a completed bachelor's degree in engineering in mechanical, materials, marine, process, or equivalent fields with a solid foundation in structural, materials, and/or fluid mechanics courses. A minimum of 25 ECTS credits in mathematics, 5 ECTS credits in statistics, and 7.5 ECTS credits in physics is required. Applicants with foreign education must have the equivalent.

b) Specialisation in Structural Engineering

Admission requires a completed bachelor's degree in civil engineering or equivalent, with a minimum of 40 ECTS credits in structural engineering specialisation courses. A minimum of 25 ECTS credits in mathematics, 5 ECTS credits in statistics, and 7.5 ECTS credits in physics is required. Applicants with foreign education must have the equivalent.

4.8 Master's Programme in Marine and Offshore Technology

Admission requires a completed bachelor's degree in engineering in mechanical engineering, structural/civil engineering, marine engineering, offshore technology, subsea

technology, process engineering, materials engineering, energy and petroleum technology, or equivalent. A minimum of 25 ECTS credits in mathematics, 5 ECTS credits in statistics, and 7.5 ECTS credits in physics is required. Applicants with foreign education must have the equivalent.

4.9 Master's Programme in Industrial Asset Management

a) Specialisation in Asset Engineering and Digitalisation Processes

Admission requires a completed bachelor's degree in engineering. A minimum of 25 ECTS credits in mathematics, 5 ECTS credits in statistics, and 7.5 ECTS credits in physics is required. Applicants with foreign education must have the equivalent.

It is advantageous if applicants have taken courses related to the structural, technical, and operational aspects of technical facilities/systems and processes in their bachelor's degree and/or have relevant technical and operational industry experience in systems engineering and processes.

b) Specialisation in Sustainable Assets and Smart Operations

Admission requires a completed bachelor's degree in a relevant field such as: general engineering, project and contract management, economics and business administration, operations management, supply chain and logistics, structural engineering and construction management, industrial production, industrial services, industrial technologies, and general management, as well as other social science or business-related disciplines.

Applicants with other educational backgrounds will also be considered by the admission committee.

Generally, it is advantageous if the applicant has taken courses relevant to industrial facilities, industrial systems and processes, infrastructure, or the public sector in their bachelor's degree and/or has relevant industry experience.

4.10 Master's Programme in Industrial Economics

Admission requires a completed bachelor's degree in engineering or equivalent. A minimum of 25 ECTS credits in mathematics, 5 ECTS credits in statistics, and 7.5 ECTS credits in physics is required. Applicants with foreign education must have the equivalent.

To qualify for admission to the two-year master's programme in Industrial Economics, applicants must also have passed at least 5 ECTS credits in business economics and 5 ECTS credits in microeconomics or equivalent.

Applicants who lack one or both courses may still apply under the following conditions:

- Students lacking business economics must pass a separate preliminary exam in business economics at the beginning of the first semester.
- Students lacking microeconomics must take the course IND200 during the first semester.

In both cases, these courses must be taken in addition to the regular master's programme curriculum.

4.11 Master's Programme in Societal Safety

a) General admission requirements

Admission requires a completed bachelor's degree in the social sciences or humanities, or a relevant professional degree. To qualify, the degree must include sufficient coverage of social science methodology and philosophy of science, equivalent to 10 ECTS credits.

Bachelor's and professional programmes that meet the required objectives, content, and level may include:

- Urban Planning and Societal Safety
- Customs, Trade and Border Control
- Social Sciences
- Health and Social Care
- Economics/Administration
- Hospitality and Tourism
- Police Education
- Teacher Education
- Journalism
- History
- Military education

Applicants who have completed the bachelor's programme in Urban Planning and Societal Safety at the University of Stavanger receive an additional 0.2 ranking points.

b) Specialisation in Technical Societal Safety

Admission requires a completed bachelor's degree in engineering or equivalent. Other science and technology degrees may also qualify after individual assessment. A minimum

of 25 ECTS credits in mathematics, 5 ECTS credits in statistics, and 7.5 ECTS credits in physics is required. Applicants with foreign education must have the equivalent.

4.12 Master's Programme in City and Regional Planning

Admission requires a completed bachelor's degree in planning, civil engineering, architecture, or equivalent (180 ECTS credits), which includes at least 30 ECTS credits in physical/spatial planning, urban and regional planning, urban design, place analysis, transport planning, technical planning, or similar.

4.13 Master's Programme in Risk Analysis

a) Specialisation in Risk Governance

Admission requires a completed bachelor's degree with at least 80 ECTS credits in one or more of the following or related fields: social sciences, natural sciences, sociology, psychology, pedagogy, social anthropology, law, geography, engineering, mathematics, statistics, biology, chemistry, physics, urban planning and societal safety, political science, economics.

Professional bachelor's degrees in the following areas also qualify:
Customs and Border Management, Police Education, Teacher Education, Health and Social Care, Journalism, Hotel and Tourism Management.

Other study programmes may also fulfil the requirements: social sciences, health and social care, economics and administration, history, and philosophy of science.
Applicants with other types of educational background will be assessed by the admission committee.

b) Specialisation in Engineering and Technology

Admission requires a completed bachelor's degree in engineering, technology, mathematics (including statistics), natural sciences or similar, with at least 20 ECTS credits in mathematics/statistics, of which at least 5 ECTS credits must be in statistics.

4.14 Master's Programme in Energy, Reservoir and Earth Sciences

Admission requires a completed bachelor's degree in science, engineering, or equivalent, which includes at least 10 ECTS credits in mathematics.

4.15 Master's Programme in Biological Chemistry

Admission requires a completed bachelor's degree in biological chemistry, chemistry, molecular biology, cell biology, biochemistry or similar, with 90 ECTS credits in molecular biology/biology and chemistry, and 10 ECTS credits in mathematics and/or statistics.

4.16 Master's Programme in Mathematics and Physics

Admission requires a completed bachelor's degree in mathematics and/or physics, or equivalent, with a minimum of 120 ECTS credits in mathematics and physics.

§ 5 Minimum Grade Requirement

The minimum grade requirement for admission is C. This requirement is met if the average grade – calculated in accordance with §§ 8 and 9 of these supplementary regulations – corresponds to grade C or better.

§ 6 Language Requirements

At the Faculty of Science and Technology, all master's programmes have international admission, except:

- Master's in Cybernetics and Applied AI
- Master's in Industrial Economics
- Master's in Societal Safety

For all other master's programmes at the Faculty, Norwegian language proficiency is not required for admission. English language skills are required in accordance with the general university entrance requirements or the GSU list, pursuant to § 3-2 of the Regulations relating to Admission to Studies and Courses at the University of Stavanger.

§ 7 Norwegian Language Requirement for Foreign Applicants to Norwegian-Taught Programmes

Applicants with education from countries outside the Nordic region must document that they meet the Norwegian language requirements in accordance with the Regulations relating to Admission to Higher Education. These requirements do not apply to applicants admitted to foreign-language programmes or international exchange students, cf. § 2-2 (6) of the same regulations.

§ 8 Ranking of Applicants with Norwegian Educational Background

If there are more qualified applicants than available study places, applicants are ranked in accordance with § 3-3 of the Regulations relating to Admission to Studies and Courses at the University of Stavanger.

§ 9 Ranking of Applicants with Foreign Educational Background

Applicants will be assessed and ranked in accordance with § 3-4 of the Regulations relating to Admission to Studies and Courses at the University of Stavanger.

Applicants with admission qualifications corresponding to Second Class Lower Division or lower are not eligible for admission.

§ 10 Commencement

These regulations shall enter into force from the admission for the academic year 2026/2027.