

The Artificial Intelligence Master programme has a selection procedure. This means that an applicant must both meet the admission requirements and successfully complete a selection procedure in order to be admitted to the programme.

## **1. Requirements for admission to the selective Master's degree programme Artificial Intelligence**

Applicants have to fulfil the following admission requirements:

- An academic Bachelor's degree in Artificial Intelligence or a related field including the following key subjects: Calculus, Linear Algebra, Probability & Statistics, Advanced Programming, Machine Learning, Advanced Logic, Neural Networks, Research Methodology Skills.
- Sufficient English proficiency; see <https://www.rug.nl/fse/programme/admissions/msc/language-requirements>

## **2. Application procedure**

All candidates have to file an admission request via the FSE Application form, and upload the following documents before 1 May (start 1 September):

- ID card or passport
- Diploma of relevant Bachelor's degree programme (if possible); or if the diploma is not yet obtained, a document containing a description + planning of the remaining course units in the programme
- Official transcript of records
- Proof of English language proficiency
- Curriculum Vitae
- The completely filled-in Checklist for AI including appendices: reference contact/letter, motivation, relevant content Bachelor's degree programme, written report in English

After candidates have filed their admission request, applications will be processed in the following way:

For holders of a Dutch BSc diploma:

1. Admission Support FSE compiles the individual selection file
2. Admission Support FSE submits the individual selection file to the Admission Board of the individual programme

For holders of a non-Dutch BSc diploma:

1. Admissions Office compiles the individual selection file
2. Admissions Office validates individual Bachelor's degree diploma
3. Admissions Office submits the individual selection file to Admission Support FSE
4. Admission Support FSE submits the individual selection file to the Admission Board of the individual programme

### 3. Selection procedure

In order to select academically suited and motivated students, the Admission Board requires a complete selection file from all candidates. The Admission Board will review all individual applicants on the basis of their selection file. All admissible candidates will be rated on the selection criteria 'academic performance' and 'motivation', as specified below.

At least two members of the Admission Board score the applicants on the selection criteria. Scoring is on a 5-point scale from 1 to 5 (1 = insufficient, 2 = sufficient, 3 = amply sufficient, 4 = good, 5 = very good). If the scores on academic performance and/or motivation deviate 1 point or more between members, they have to confer, after which they grade a second time. This outcome constitutes the final score.

Candidates are selected if they receive an average score of at least 3.0 on both 'academic performance' and 'motivation', AND a weighted average score of at least 3.5.

#### 1. Academic performance (60%)

The score on academic performance is the result of the scores on relevance (70%), and proficiency (30%).

- **Relevance and affiliation/fit** of the followed bachelor programme to the master programme (list of subjects/courses followed and grades obtained; brief description of the content of key subjects/courses demonstrating the knowledge and skill(s) acquired by the student).

##### **Key subjects:**

Calculus, Linear Algebra, Probability & Statistics, Advanced Programming, Machine Learning, Advanced Logic, Neural Networks, Research Methodology Skills

*Please consult our online catalogue [www.rug.nl/ocasys/](http://www.rug.nl/ocasys/) for the intended learning outcomes of the course units that adhere to these subjects.*

- **Proficiency** in: (1) formulating scientific research questions and completing an academic assignment in the context of the programme, and in individually producing a written report on the assignment topic. The report has to reflect the student's ability to produce a well-structured and concise report, adhering to the rules of scientific writing. The assignment handed in is free of choice, and can be a bachelor thesis; report on a practicum, experiment, or field-work; a literature review; a published peer-reviewed research paper, etc.<sup>1</sup> (2) programming for machine learning, image processing, robotics, and/or knowledge-based & multi-agent systems. (3) advanced statistical data analysis.

<sup>1</sup>*If the student has not made an individually written report during the bachelor programme he/she should contact the selection committee to receive an assignment on the basis of which a written report can be prepared.*

#### 2. Motivation (40%)

The candidate has to provide a motivation (500 words) for the application, by answering the following questions:

1. *Why did you choose this specific master's degree programme?*

2. *How did the bachelor's degree programme, extracurricular activities, and/or other experiences prepare you for this specific master programme?*
3. *In case it took you longer than nominal to acquire the bachelor degree, please briefly explain the cause(s) of the delay.*
4. *How does this master's degree programme prepare you for your future career and/or serve your ambitions?*
5. *The master programme contains a large research project of 45 ECTS. On what topic and under supervision of which researcher(s) at the University of Groningen would you like to carry out your project? Please motivate your choices.*
6. *Free space to mention anything you feel is relevant and is not addressed by the questions above.*

### ***Timeline for the application and selection procedure***

The application procedure for the start on the 1st of September will open on the 1st of October and close on the 1st of May. The details of the entire application procedure are published on the *Admission and Application* website for the individual Master's degree programme.

The Admission Board will carry out the selection procedure within six weeks after the application.

Candidates who are not selected can lodge a written appeal against this decision within four weeks of the date of sending, with the Board of Appeal for Examinations, P.O. Box 72, 9700 AB Groningen, the Netherlands.