

Admission requirements for the Bachelor's programme in Artificial Intelligence

When you apply for the Bachelor's programme in Artificial Intelligence, there are several admission requirements you should meet. You need to have completed sufficient previous education proven by a diploma, and you need to be proficient in English, in most cases proven by a language certificate. Finally, an additional requirement has been set for mathematics. Below, you will find the diploma-specific admission requirements.

Please note: for this programme, an additional requirement is applicable for Mathematics. Your level of mathematics should be equivalent to Dutch vwo mathematics A or B. Should you not meet one of the requirements mentioned below, then please always contact admissionsocialsciences@ru.nl to get advice on how to eliminate your deficiency.

In short, (the equivalent of Dutch vwo) mathematics A or B can be acquired through:

1. Having obtained the passing grade for the [Online Mathematics Placement Test](#) (OMPT-D or OMPT-E);
2. Having taken the [SAT](#) with a minimum score of 600 (out of 800) points on the mathematics section;
3. Having obtained the James Boswell mathematics A or B certificate, after taking a mathematics exam at the [Boswell-Bèta Institute](#). The Boswell-Bèta Institute also offers full mathematics courses, followed by the Boswell Exam, but keep in mind that all exams and courses are in Dutch;
4. Having obtained a mathematics A or B Testimony of the CCVX (*Centrale Commissies Voortentamen*), through self-study of mathematics A or B topics and taking the [CCVX test](#) in Utrecht (The Netherlands). A topic list is available via the abovementioned email address, but keep in mind that all exams are in Dutch;
5. Having obtained the passing grade for a final exam on one of the mathematics courses mentioned below (e.g. GCE A-level, AP course Statistics or Calculus, IB/EB Mathematics course or a final mathematics exam in your home country). The results will be assessed on an individual basis.

Germany

Diploma:	Zeugnis der Allgemeinen Hochschulreife.
Mathematics requirement:	Mathematics as <i>Prüfungsfach</i> in the <i>Abitur</i> (<i>Grundkurs</i> or <i>Leistungskurs</i>). The results are assessed on an individual basis.
English language:	English as <i>Prüfungsfach</i> in the <i>Abitur</i> (<i>Grundkurs</i> or <i>Leistungskurs</i>). The results are assessed on an individual basis. If your level is insufficient, a separate certificate proving proficiency in English is needed (see below: "All other international pre-university qualifications").

United Kingdom

Certificates:

General Certificate of Secondary Education (GCSE) in at least three subjects, and at least three subjects with marks ranging from A* to C or 9 to 4, and
a General Certificate of Education (GCE) with at least three academically relevant subjects at advanced level (A-level) and with marks ranging from A* to C.

Mathematics requirement:

Having passed Mathematics at GCE A-level with a minimum grade C or having obtained one of the mathematics certificates mentioned at page 1.

English language:

Having obtained three GCE A-levels proves proficiency in English.

United States

Diploma:

High School Diploma including four AP-certificates with a minimum grade 3 (out of 5).

Mathematics requirement:

Having obtained a minimum grade 3 (out of 5) on an AP certificate in Calculus AB, Calculus BC or Statistics or an SAT mathematics test level 1 or 2 with at least 600 (out of 800) points or the mathematics section in the SAT.

English language:

Having obtained a High School Diploma in the United States proves proficiency in English, if English is the language of instruction.

International Baccalaureate

Diploma

Diploma programme, not Career-related programme, with a minimum of at least 24 points, and a minimum of three higher level subjects.

Mathematics requirement:

Mathematics Standard Level or Mathematics Higher Level with 4 points or more. Mathematics Studies Standard Level is not accepted.
New curriculum: Applications & Interpretations HL with at least 4 points or Analysis & Approaches SL/HL with at least 3 points. Applications & Interpretations SL is not accepted.

English language:

Having obtained an International Baccalaureate diploma proves proficiency in English.

European Bacalaureate

Diploma:	European Bacalaureate Diploma.
Mathematics requirement:	Having obtained the passing grade for Mathematics three periods per week or Mathematics five periods per week.
English language:	Having passed English Language 1 or 2.

All other international pre-university qualifications (EU/EEA and non-EU/EEA)

Diploma:	A diploma which is equivalent to or higher than Dutch vwo level, according to NUFFIC and/or NARIC.
Mathematics requirement:	The level of previous education will be assessed on an individual basis to determine whether it is of sufficient level.
English language:	You can prove proficiency in English in two ways : through your diploma or through a language test.

1. Diploma

Obtaining a diploma equivalent to or higher than Dutch vwo level by completing education at an institution in Australia, Canada (with the exception of Quebec), Ireland, New Zealand, the United Kingdom or the United States of America (where the language of instruction is English) proves proficiency in English.

Furthermore, obtaining a diploma from one of the European countries mentioned below and having passed English in the final examinations, would also exempt you from taking a language test.

Austria

Reifezeugnis or Reifeprüfungszeugnis

Luxembourg

Diplôme de Fin d'Études Secondaires

Belgium

Diploma van secundair Onderwijs

Norway

Vitnemaal for Videregående Skole

Denmark

Studentereksamenbevis

Sweden

Slutbetyg från Gymnasieskolan

Finland

Ylioppilastutkintodistus or Studentereksamenbevis

The Netherlands

Vorbereidend Wetenschappelijk Onderwijs

Germany

Zeugnis der Allgemeinen Hochschulreife

2. Language Test

If you haven't obtained one of the above-mentioned diplomas or a passing grade for English, a separate certificate proving proficiency in English is needed. We accept the tests mentioned below. Per test you will find the minimum required result.

- IELTS Academic: overall score of at least 6.0, all four sub-scores at least 6.0;
- TOEFL iBT: total score of at least 80, all four sub-scores at least 20;
- Cambridge C1 Advanced: minimum mark C;
- Cambridge C2 Proficiency: minimum mark C.

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