

## **Pre-master programmes MSc. Artificial Intelligence, for students with a Dutch University BSc. degree**

- The Artificial Intelligence Master programme has a selection procedure. This means that an applicants must both meet the admission requirements and successfully complete a selection procedure in order to be admitted to the programme. For more information about the selection procedure, please check [this page](#).
- For admission in the pre-master programmes, the same selection procedure applies as for direct admission in the Master programme. The Admission Board will consider your application on the basis of academic performance and motivation. If accepted, the Admission Board will assign you a pre-master programme, which will properly prepare you to take the Master programme. After successful completion of the pre-master programme within one academic year, you will be admitted to the Master programme without further selection.
- All course unit descriptions can be found in the online course unit catalogue [Ocasys](#).
- Below you will find a description of the type of academic BSc. degrees that may lead to admission to the MSc. Artificial Intelligence, via a pre-master programme.
- Students with a different degree than in the examples below may be offered a different premaster programme, depending on their knowledge and skills.
- The pre-master programmes indicated below are examples. The Board of Admissions may offer different programmes for individual students. No rights can be derived from this information.
- You may also be able to take the course units of the pre-master as part of your own Bachelor's programme. The Board of Examiners of your Bachelor's degree may decide whether you can take these course units as a minor or electives.

## **1. Students with an academic BSc. degree in Science: Mathematics, Physics, Computing Science, University College with science profile, etc.**

If accepted, the Admission Board will assign you a pre-master programme. The exact course unit content of the pre-master programme is dependent on your current knowledge and skills. Below is an example of a pre-master programme for a student with a BSc. degree in Physics:

Imperative Programming (WBAI003-05)	(semester I, focus in Ia)
Knowledge and Agent Systems (WBAI057-05)	(semester Ia)
OR Autonomous Systems (WBAI002-05)	(semester Ia)
Introduction to Machine Learning (WBAI056-05)	(semester Ib)
Algorithms and Data Structures (WBAI018-05)	(semester IIa)
Data Science (code TBD)	(semester IIb)
OR Advanced Logic (WBAI017-05)	(semester IIa)
OR Object-oriented Programming (WBAI045-05)	(semester Ia)
Fundamental Artificial Intelligence (Code TBD)	(semester IIb)
Applied Machine Learning (code TBD)	(semester IIb)

## **2. Students with an academic BSc. degree in Psychology, Information Science, Economics, Econometrics, Human Movement Sciences**

If accepted, the Admission Board will assign you a pre-master programme. The exact course unit content of the pre-master programme is dependent on your current knowledge and skills. Below is an example of a pre-master programme for a student with a BSc. degree in Information Science:

Calculus for AI (WBAI048-05)	(semester I, focus in Ib)
Imperative Programming (WBAI003-05)	(semester I, focus in Ia)
Knowledge and Agent Systems (WBAI057-05)	(semester Ia)
OR Autonomous Systems (WBAI002-05)	(semester Ia)
Introduction to Machine Learning	(semester Ib) – extra support from lecturers and additional study by premaster student needed
Advanced Logic (WBAI017-05)	(semester IIa)
OR Object-oriented Programming (WBAI045-05)	(semester Ia)
Algorithms and Data Structures (WBAI018-05)	(semester IIa)
Applied Machine Learning (code TBD)	(semester IIb)
Fundamental Artificial Intelligence (Code TBD)	(semester IIb)
Linear Algebra and Multivariable Calculus (WBAI050-05)	(semester IIb)

