

# Admissions in

## MSc. Computational Cognitive Science

for students with a Dutch University BSc. degree (2025-2026)

- **Direct admission** to the Master's programme Computational Cognitive Science is possible with a Dutch academic BSc. degree in Artificial Intelligence, a UG BSc. degree in Information Science, or the BSc. degree Data Science and Artificial Intelligence (Maastricht & Leiden University), Cognitive Science and Artificial Intelligence (Tilburg University). Admission is not selective, i.e. your grades are not relevant for admission.
- Students with other BSc. degrees generally cannot be admitted to the programme directly, but there are possibilities for **pre-master programmes** (see below).
- All courses in a pre-master programme will be offered in English. Course unit descriptions are available in the online course unit catalogue [Ocasys](#). A pre-master programme should always be completed within one academic year.
- Students may also be able to take the course units of their assigned pre-master as part of (or during) their own Bachelor's programme. Please contact the [academic advisor](#) if you consider this route.
- **DISCLAIMER:** this sheet offers general information on admission in MSc CCS. Only the CCS Board of Admissions can make decisions about the admission of individual students.

### Students with an academic BSc. degree in Psychology

Students with this degree will be admitted to the Master Computational Cognitive Science after successfully completing the following 20 ECTS pre-master programme:

| Course code              | Course name   | ECTS      | Period<br>(Ia, Ib, IIa, IIb) |
|--------------------------|---|-----------|------------------------------|
| <i>Semester 1</i>        |   |           |                              |
| WBAI003-05               | Imperative Programming (for AI)   | 5         | Ia-Ib                        |
| WBAI056-05<br>WBAI063-05 | Introduction to Machine Learning<br>OR* Fundamental Artificial Intelligence | 5         | Ib<br>IIb                    |
| WBAI009-05               | Architectures of Intelligence   | 5         | Ib                           |
| <i>Semester 2</i>        |   |           |                              |
| WBAI018-05               | Algorithm and Data Structures   | 5         | IIa                          |
| <b>Total</b>             |   | <b>20</b> |                              |

\* In consultation with the Academic Advisor

Apart from this compulsory pre-master programme, students are highly encouraged to develop their programming skills before starting this Master programme, especially regarding the programming language Python and the Statistics program R.

### Students with another relevant academic BSc. degree

Students with a relevant Dutch BSc. degree relating to Artificial Intelligence, Cognitive Science, Brain Science, Psychobiology etc. may be eligible for admission to the master, either unconditionally or after taking a pre-master programme (see below example). If you are interested in this possibility, please contact the [academic advisor](#).

| Course code  | Course name                      | ECTS      | Period<br>(Ia, Ib, IIa, IIb) |
|--------------|----------------------------------|-----------|------------------------------|
| WBAI003-05   | Imperative Programming for AI    | 5         | Ia-Ib                        |
| WBAI074-05   | Introduction to Neuroscience     | 5         | Ia                           |
| WBAI049-05   | Statistics                       | 5         | Ia                           |
| WBAI056-05   | Introduction to Machine Learning | 5         | Ib                           |
| WBAI009-05   | Architectures of Intelligence    | 5         | Ib                           |
| <b>Total</b> |                                  | <b>25</b> |                              |

### Students with a relevant HBO degree

Students from relevant HBO programmes can sometimes be admitted to a pre-master programme. They will be assigned an individual pre-master programme (see below example). They cannot follow courses with us as part of their BSc degree. If you are interested in this possibility, please contact the [academic advisor](#).

| Course code  | Course name  | ECTS      | Period<br>(Ia, Ib, IIa, IIb) |
|--------------|--|-----------|------------------------------|
| WBAI003-05   | Imperative Programming for AI                      | 5         | Ia-Ib                        |
| WBAI018-05   | OR* Algorithms and data structures                 |           | IIa                          |
| WBAI074-05   | Introduction to Neuroscience                       | 5         | Ia                           |
| WBAI049-05   | Statistics   | 5         | Ia                           |
| WBAI056-05   | Introduction to Machine Learning                   | 5         | Ib                           |
| WBAI009-05   | Architectures of Intelligence                      | 5         | Ib                           |
| FI203AI      | Philosophy of AI and Cognition                     | 5         | IIa                          |
| WBAI077-05   | Computational Methods in Neuroscience<br>Practical | 5         | IIa                          |
| WBAI022-05   | General Linguistics                                | 5         | IIb                          |
| WBAI059-05   | OR* Natural Language Processing                    |           | IIa                          |
| WBAI011-05   | Data Analytics and Communication                   | 5         | IIb                          |
| WBAI063-05   | Fundamental Artificial Intelligence                | 5         | IIb                          |
| <b>Total</b> |  | <b>50</b> |                              |

*\* In consultation with the Academic Advisor*