

Computing Science: Admission with a HBO-diploma (Pre-master)

FSE offers Pre-Master's programmes with a maximum of 60 ECTS for access to the MSc Computing Science, and individually determined Pre-Master's programmes. The overview below shows:

- which NVAO-accredited HBO diploma grants access to the MSc Computing Science upon completion of the Pre-Master's programme;
- the content and student workload for these fixed programmes.

Below listed are the standard Pre-Master's programmes for HBO Bachelor ICT/ Computer Science/ Information Technology graduates per Computing Science Master track offered at the University of Groningen.

- Bachelor 30020- HBO ICT
- Bachelor 34475- HBO Computer Science/ Technische Informatica
- Bachelor 34479- HBO Information Technology/ Informatica

Track MSc Computing Science: Software Engineering and Distributed Systems

Semester	Course Unit	Course Code	ECTS
1a	Introduction to Logic	WBCS030-05	5
1a	Advanced Algorithms	WBCS052-05	5
1b	Computer Architecture	WBCS010-05	5
1b	Statistics and Probability	WBCS049-05	5
2a	Operating Systems	WBCS023-05	5
2b	Languages and Machines	WBCS027-05	5
Total			30

Track MSc Machine Learning and Visual Computing

Semester	Course Unit	Course Code	ECTS
1a	Calculus 1 (for IEM)	WBIE003-05	5
1b	Linear Algebra (for IEM)	WBIE009-05	5
1b	Statistics and Probability	WBCS049-05	5
2a	Calculus 2 (for IEM)	WBIE017-05	5
2a	Introduction to Machine Learning	WBCS032-05	5
2b	Introduction to Computer Graphics and Visualization	WBCS056-05	5
Total			30

Track MSc Computing Science: AI Engineering

Semester	Course Unit	Course Code	ECTS
1a	Calculus 1 (for IEM)	WBIE003-05	5
1b	Linear Algebra (for IEM)	WBIE009-05	5
1b	Statistics and Probability	WBCS049-05	5
2a	Calculus 2 (for IEM)	WBIE017-05	5
2a	Introduction to Machine Learning	WBCS032-05	5
2b	Fundamentals of Distributed Systems	WBCS057-05	5
Total			30

Starting date 1 September

Please note that the above mentioned course packages are tailored to one of the MSc Computing Science tracks and that successful completion of any of the three Pre-Master packages grants access to the Master Computing Science (regardless of which track).

For holders of a HBO diploma-not listed above, or for holders of a Dutch or foreign degree not listed in Appendix VI, the Board of Admissions decides:

- a. The content and student workload of a tailor-made Pre-Master's programme.
- or
- b. Admission is not granted