



UNIVERSITY
OF AMSTERDAM



Medical Informatics

Bridging Healthcare and ICT

Pre-Master Program



The Master Medical Informatics (MI) at the AMC-UvA focuses on the role of information technology in the complex world of healthcare.

Students graduating from the BSc MI program can directly enter the MSc MI program. Lateral entrants will need to pass the pre-master examinations for any topics not covered in their previous education. This is a maximum of 10 topics; most students need 6 to 8 topics.

The pre-master MI program is an online self-study conversion program that supports students in preparing for the entrance examinations.

Application

The first step is to apply for the Master's program. If you are accepted, then the coordinator will work with you to determine which pre-master courses you will need to be ready for the Master.

Costs

40 euros per ECTS,
maximum of € 1040,-

Language

English

Program facilities

The pre-master courses are presented online in the Blackboard environment with study material (mainly written material, with some multimedia material and self-examinations); access to the online digital library, and the option to contact instructors.

Examination periods

Exam sessions are held once per month at the AMC. You can choose which exams you take in each session. Online exams are available for students living outside the Netherlands.

Admission procedure

E-mail pre-master-MI@amc.uva.nl to receive an application form and more information on how to apply.

Program Topics (Total 26 ECTS)

1. Mathematics and Logic
 - 1.1 Mathematics
 - 1.2 Logic
 2. Artificial Intelligence
 3. Basics of informatics
 - 3.1 Data communication & networks
 - 3.2 Algorithms and data structures
 - 3.3 Software Engineering
 - 3.4 Database systems
 4. Medical Record Keeping and Terminology Systems
 5. Interpretation and Processing of Information in Medical Images
 6. Basics of Medicine
 7. Biostatistics
 8. The Medical Process and Medical Decision Making
 9. Organization of Healthcare
 10. Strategic Information Management: Architectures and strategies
- A: Computer programming
A1: Java
A2: SQL

Students are advised to apply at least eight months in advance.