Gain knowledge of how IT affects organisations, from a Computing Science perspective as well as a Management Science perspective.

This Master’s programme takes a broader look on Information Technology. What are the information needs in the first place? How can these best be met? How can resulting IT solutions be adopted in an organisation? How can their use be best introduced and managed? And how can we ensure compliance, with business requirements and legal standards for security and privacy?

This Master's programme is a collaboration between the Faculty of Science and the Nijmegen School of Management.

Why choose this specialisation at Radboud University?

- The programme provides you with a unique combination of technological and organisational expertise.
- You will be taught by experts of both fields; the NSM brings in expertise in Business Administration, Organizational Design & Development, and Knowledge Management, and the Institute for Computing and Information Sciences (iCIS) brings its expertise in Cyber Security, Privacy, and Big Data.
- Through GipHouse you can gain practical experience in management, design, and implementation of ICT solutions.
Programme outline (1 year, 60 EC)
The programme of this specialisation consists of:
• Compulsory courses (12 EC)
• Master’s track (18 EC)
• Free electives (6 EC)
• Philosophy and Ethics for Computing and Information Science (3 EC)
• Master’s thesis (21 EC)

Courses
Below you can find an overview of the compulsory courses, the two different tracks and some examples of electives. Please have a look at the online prospectus (see ‘More information’) for more detailed information.

Compulsory courses
• System Approaches to Organisation & Information (3 EC)
• Research Methods (3 EC)
• Software Development Entrepreneurship (6 EC) / System Development Management (6 EC)

Courses Security & Privacy track
• Law in Cyberspace (6 EC)
• Security in Organisation (6 EC)
• Strategic Scenarios and Business Models (6 EC)

Courses Aligning Business & IT track
• Intervention in Organizations (6 EC)
• Organistaion Design (6 EC) / Organisational Change (6 EC)
• Text Mining (6 EC)

Examples of free electives
• ICT in a different culture (6 EC)
• Information Retrieval (6 EC)
• Innovation Management (6 EC)
• Entrepreneurship: Making a Business Plan (3 EC)

Master’s thesis
With your Master’s thesis, you prove that you are able to analyse a problem or design a solution for this problem using scientific methods and techniques. Possible research fields include:
• Digital Security (ru.nl/ds)
  › Prof. Bart Jacobs and Dr. Lejla Batina
• Data Science (ru.nl/das)
  › Prof. Tom Heskes
• Software Science (sws.cs.ru.nl)
  › Prof. Peter Lucas
• Organisational Development and Design (ru.nl/businessadministration)
  › Prof. Kristina Lauche
You can also choose to perform your thesis at an external organisation or do an internship abroad; there are for example close contacts with the Max Planck Institute in Germany. For other possibilities, you can always contact a lecturer or the student advisor (see ‘More information’).

Your advantages on the labour market
There is a big demand for highly trained information experts who can bridge the gap between the builders and the users of IT. They can ensure good, user-friendly technology that meets an organisation’s needs. Many of our students are offered jobs even before they graduate. Most students go to companies that develop IT solutions, or to companies or public sector organisations that rely on IT. Think of government departments, hospitals, banks, insurance companies, etc. Their positions range from consultants to project managers and ICT specialists.
Some students develop their own ideas and innovations while taking part in this Master’s programme. They see what is offered, understand what is lacking, and realise where possibilities lie. In Nijmegen there are plenty of opportunities for those wanting to start their own business.

Admission requirements
You can enter this Master’s programme if you have a Bachelor’s degree in Computing Science with a minor in Business Administration Science, a Bachelor’s degree in Business Administration Science with a minor in Computing Science, or a closely related discipline. You must also have a sufficient proficiency in English.
Students from a University of Applied Sciences (HBO) need to follow a pre-Master’s in Computing Science. Other additional deficiency programmes are tailor-made. For details, please visit the website or contact the student advisor (see ‘More information’).

Application procedure
The programme starts in September. The application deadline is 1 April for students from non-EU/EEA countries and 1 May for students from within the EU/EEA. You apply for the Master’s programme in Information Sciences via www.studielink.nl.

>>> More information
Prospectus: www.ru.nl/prospectus/sciencefaculty
Student advisor Information Sciences: Perry Groot
  › informationsciences@ru.nl / +31 (0)24 365 20 37

www.ru.nl/masters/informationsciences