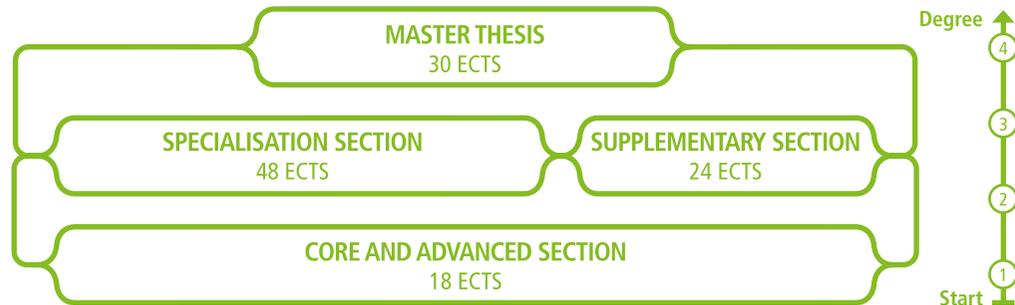


## PROGRAMME STRUCTURE

**Standard period of study:** 4 semesters, full-time | **Start:** fall term | **Degree title:** Master of Science

The master's programme carries 120 ECTS credits and comprises a Core and Advanced Section, a Specialisation Section, a Supplementary Section and a Master Thesis. To further refine the Master's programme, one of three optional specializations can be chosen:

- **Business Analytics and Data Science**
- **Digital Innovation and Entrepreneurship**
- **Digital Sustainable Society**



Total number of ECTS: 120 ECTS = 4 semester standard period of study

## ENTRY REQUIREMENTS

A bachelor degree or equivalent with at least 180 ECTS. Following subject-related requirements has to be fulfilled:

- At least 20 ECTS credits in Information Systems
- At least 30 ECTS credits in Business Administration and Economics
- At least 30 ECTS credits in Informatics and/or Mathematics and/or Statistics
- Language requirements: German language skills C1 and English language skills B2 (CEFR)

**15 JUNE** Application Deadline

More information about admission requirements and selection procedure can be found online.

## DETAILED INFORMATION & CONTACT

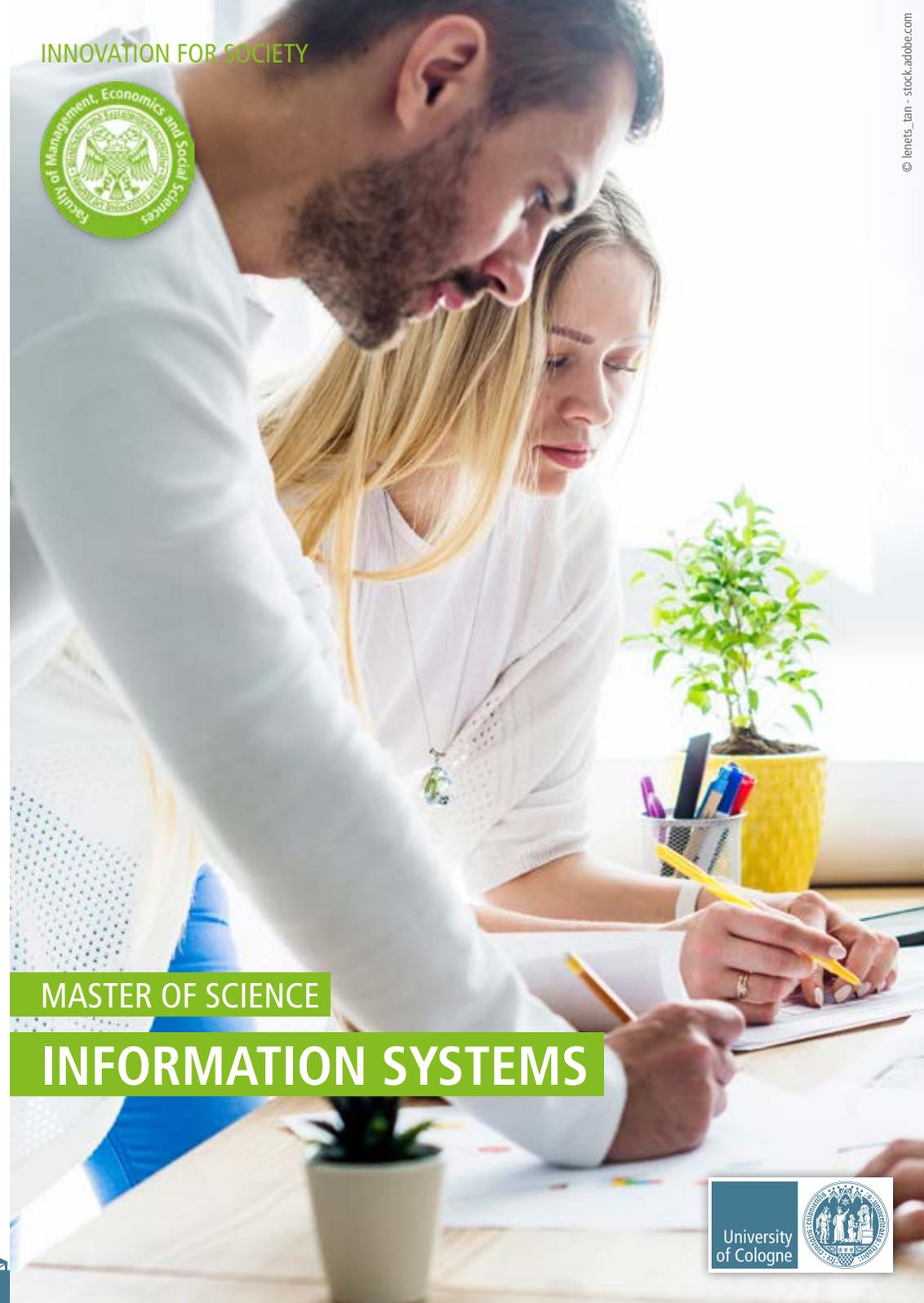
WiSo Student Service Point

Phone: +49 (0) 221/470-8818

[www.ukoeln.de/G7HMD](http://www.ukoeln.de/G7HMD) or Google "WiSo student service"



## INNOVATION FOR SOCIETY



MASTER OF SCIENCE

INFORMATION SYSTEMS



# INFORMATION SYSTEMS

The interdisciplinary field of information systems has its roots in computer science, economics, and particularly business administration. Information systems support decision-making about value-adding processes and the coordination, control, monitoring automation, integration, and virtualisation of such processes. Information systems can lead to innovation in products, processes, and business models.

## KEY ISSUES

- Become an information systems specialist with a highly sought-after double qualification in business administration and computer science
- Enjoy fascinating lectures from top-ranked, inspiring faculty
- Investigate key issues like big data, digital transformation, and IT-based innovation in products, processes, and business models
- Invest in yourself while gaining practical expertise and mastering theoretical methods on the university level
- Develop the entrepreneurial skills you need to find and shape IT-based business solutions

## CAREER OPPORTUNITIES

As a graduate in the interdisciplinary field of information systems, you will find attractive positions that call for your skills as a broad-based specialist. Through your direct contact with the institute's professors, you will have learned from the best, as professors in the Cologne Institute for Information Systems rank among the top scholars in their fields. Many of our graduates have developed good business contacts even before completing their studies. Because of their broad-

based, specialised education, our graduates can work in any field and in any position related to IT and economics, including as IT consultants. Some of our graduates choose to specialise further and work as, for instance, data analysts, data scientists, or entrepreneurs. Our leading partners in industry, ranging from large insurance companies to mid-sized software-development companies, value our graduates as they are ready for action. Our graduates are also involved in start-ups, so if you

## PRACTICAL EXPERIENCE

Our faculty has benefited from many years of experience working with companies and with visiting lecturers from a variety of professional fields. These professionals and managers bring highly relevant industry experience to the programme, resulting in sector-specific, up-to-date programme content that combines practice and theory and reflects the real world.



"Information Systems provide the theoretical and methodological tools for dealing with key issues such as big data, digital transformation and innovation in IT products, processes and business models. Our students will not only gain an understanding of these issues, but also develop the skills to develop business solutions."

Detlef Schoder, Professor and Director of the Cologne Institute for Information Systems



## YOUR ROLE AS SPECIALIST & INTERPRETER

As an information systems specialist, you will have the double qualification from the fields of business management and computer science that is often required in the labour market. Since information systems specialists work in many areas and sectors, you will serve as an "interpreter" between the language of business and the technical world of systems.

## INTERNATIONAL ENVIRONMENT

are interested in setting up your own enterprise, you can count on the university's support. As the **University of Cologne** is state-funded, there are no tuition fees – just a biannual "**semester contribution**" of a little more than **250 euros** – **so you can invest in an excellent education and your future without also investing a fortune.**

Since many of our courses are delivered in **English**, you can complete most of the programme in English. Students from many countries apply for admission to our **Master of Science in Information Systems** programme, so you can be sure of an international and intercultural environment. We maintain cooperation with more than 130 partner universities throughout the world, so there are many opportunities to experience a semester abroad.