Master of Science in International Information Systems

The Master of Science in International Information Systems is a four semester program for those with a strong interest in information technology and its role in today's business environment. The international nature of the program is fostered by its participants coming from many different countries, the mandatory study abroad period and courses focusing on the international aspects of information systems management. Graduates of the program are ideally suited for leadership roles at the interface between management and IT of global companies.

Participating Institutes

The master program is a joint offer by the School of Business, Economics and Society situated in the city of Nuremberg and the Department of Computer Science at the School of Engineering in Erlangen.

Institute of Information Systems

WIN – the Institute of Information Systems – located in Nuremberg is among the largest Information Systems groups at German universities and was the birthplace of information systems in Germany. The institute belongs to the School of Business, Economics and Society but holds close relation-ships to the chairs of Computer Science in Erlangen.
www.win.rw.fau.de

Department of Computer Science

The Department of Computer Science is one of the first computer science institutes in Germany, with 14 chairs and over 200 people in research personnel.
www.informatik.uni-erlangen.de

School of Business, Economics and Society at a glance

The School of Business, Economics and Society is one of the most reputable schools of its type with over 6,000 students, more than 45 professors, a global network of contacts and one of the broadest range of subjects offered at any university in the German-speaking world. Today, the School continues to serve as an important university think tank and a highly sought-after local partner for the European Metropolitan Region Nuremberg. The city of Nuremberg provides a unique combination of historic Middle Ages and modern lifestyle, Franconian flair and student life. The rich traditions of this center of trade create an atmosphere that is at once peaceful and vibrant. Nuremberg is host to a large variety of international trade fairs and is home to several global enterprises.

Contact

Institute of Information Systems
Lange Gasse 20, 90403 Nürnberg
Tel.: 0911/5302-450
www.win.rw.fau.de

For more information please go to
www.iis.fau.de

If you have any questions please send an email to
studium-iis@fau.de

The Master in International Information Systems on Facebook: **www.facebook.com/ IIS.Uni.Erlangen.Nuremberg**

FAU
FRIEDRICH-ALEXANDER UNIVERSITÄT ERLANGEN-NÜRNBERG

SCHOOL OF BUSINESS, ECONOMICS AND SOCIETY

Master's degree program
International Information Systems

Advanced knowledge

www.iis.fau.de

Master in International Information Systems

The salient features of the International Information Systems master's program are:

- Feasible for students with a Bachelor's degree in business administration, management, economics, computer science, information systems or an IT-related engineering program
- Joint offering of the School of Business, Economics and Society in Nuremberg and the Department of Computer Science in Erlangen
- Language of instruction is both German and English
- Clear focus on international aspects of information systems
- 120 ECTS (European Credit Transfer System)
- The program starts in October of each year
- A modular structure permits up to two semesters abroad (one semester abroad is mandatory)

	Customized Introduction to IIS (20 ECTS)		
Semester 1	Management		Informatics
	Management I / Management II		Informatics I / Informatics II
	Foreign Language Skills (5 ECTS)		
	Foreign Language Skills		
	Data & Knowledge	**Digital Business**	**Architectures & Development**
Semester 2	Core Courses (30 ECTS)		
	Information Systems (5 ECTS)	Information Systems (5 ECTS)	Information Systems (5 ECTS)
	Informatics (5 ECTS)	Informatics (5 ECTS)	Informatics (5 ECTS)
Semester 3	Electives (30 ECTS)		
	Information Systems (15 ECTS)		
	Informatics (15 ECTS)		
	Seminar (5 ECTS)		
	Seminar		
Sem. 4	Master Thesis (30 ECTS)		
	Master Thesis		

Content and Structure

The first semester starts with a **customized introduction to International Information Systems** to help students gain competencies not covered in their previous studies. Students having a management background take the informatics introduction whereas students with an IT background take management courses. The first semester also includes a **foreign language module**.

The second and third semester's courses integrate interdisciplinary perspectives across the fields of **information systems** and **informatics**. Students take core courses in the following areas:

- **Data & Knowledge** (*e.g. data and information management, business intelligence and analytics*)
- **Digital Business** (*e.g. project and product management, innovation and service management*)
- **Architectures & Development** (*e.g. software engineering and architecture, process management*)

Depending on their area of interest, students deepen their knowledge in the above fields by choosing from a wide range of **elective courses** and applying their theoretical knowledge in different **seminars**.

The **mandatory semester abroad** can be spent by studying at one of our renowned partner universities or by doing the master's thesis in co-operation with an international corporate or academic partner. It is also possible to combine these two options and spend up to two semesters abroad.

Target Group and Admission Criteria

The Master in International Information Systems targets outstanding undergraduate students with background in business, IT or information systems who have a strong interest in innovative applications of information and communication technology. The **following criteria** are considered within the application procedure:

- Academic field and grades of the undergraduate degree
- Work experience
- International experience
- English and German language skills

For detailed information regarding the application procedure please go to our website **www.iis.fau.de**.

Competencies

Students who complete the Master in International Information Systems will develop a comprehensive set of competencies:

- Interdisciplinary skills
- Intercultural competence
- Analytical skills
- Ability to work in an independent and goal-oriented manner
- Capacity for teamwork
- Project management skills
- Presentation skills

Career Prospects and Collaborations

The Master in International Information Systems qualifies students for leadership roles at the interface between management and IT of globally operating companies. The program also prepares students for research in the field of information systems. Possible career paths include:

- Business Consultant
- Enterprise Architect
- Software Engineer
- Project Manager
- IT-Strategist
- Data Scientist
- Business Analyst
- Academic Researcher

Furthermore, there are many cooperations between the Institute of Information Systems and partners from a wide range of industries, including Accenture, adidas, REHAU, Fraunhofer, BMW, Datev, Deutsche Telekom, IBM, Puma, SAP, Siemens, and many more.

These partners are actively involved in designing a practice-oriented curriculum based on scientific methods, e.g. using case studies, guest lectures or providing work opportunities directly in the company as part of a seminar, project, or master thesis.