AIS Collection of IS Institutions and Educational Resources

**Institution Name**
Aachen University of Applied Sciences

**College/School**
Faculty of Electrical Engineering and Information Technology

**Full Postal Address**
Eupener Str. 70
Aachen, NRW, 52066
Germany

**Country**
Germany

**AIS Region**
Region 2: Europe, Africa, The Middle East

**Web Link:**
www.fh-aachen.de/en

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**Institution Summary**
With more than 15,000 students, almost 2,000 graduates per year, 10 faculties, about 100 degree programmes, twelve in-house and five affiliated institutes as well as four competence platforms, FH Aachen with its two locations in Aachen and Jülich is one of the largest universities of applied sciences in Germany. Within this top-ranked university, the faculty of Electrical Engineering and Information Technology and particularly the Information Systems research group aims at offering a comprehensive and outstanding education experience in the area of Information Systems. Our professors and research assistants mainly research in the fields of Business Process Management, Artificial Intelligence, digital business models, ERP systems and Gamification.

**Programs and Courses Summary**
FH Aachen offers more than 90 degree programmes. Take a look at our Bachelor’s and Master's degree programmes and our dual study programmes, either separately or in our list of all degree programmes. Our Bachelor degree programmes in engineering, health sciences, business studies, law, natural sciences/mathematics/computer science as well as architecture & design are characterised by being application-oriented and practical. FH Aachen offers several Master’s degree programmes in various subject areas on a full-time or part-time basis as well as extra-occupational. As a general rule, the completion of a Master's degree entitles the holder to obtain a doctorate (PhD).
In the Information Systems Bachelor program, you will attend courses in economics, computer science and special business information systems subjects. The first three semesters are largely the same for all students. You will acquire knowledge in mathematics, programming, statistics and business administration. In the fourth semester, the curriculum includes data networks and IT security as well as business administration subjects from the fields of marketing, accounting, finance, organization, procurement, production, logistics and controlling. You can improve your social skills in the so-called soft skills elective modules: The ability to work in a team, foreign languages, presentation techniques and communication skills are particularly important in your future career when working with colleagues. In the fifth semester, you choose subjects from both areas according to your preferences. So-called elective module catalogs are available for this purpose. In computer science, the elective modules include blended commerce, leadership in the IT environment, business process management or the basics of media informatics, two of which you can take.

1. Learn to describe, explain, predict and design information systems and their use in business, administration and increasingly also in the private sphere
2. Experience Information Systems as an independent, interdisciplinary subject essentially between business administration and computer science
3. The program enables students to work on Information Systems tasks directly (e.g. planning and use of of operational information systems, tasks in e-commerce and e-business, cost-benefit assessment of assessment of information technology solutions, design of of information management, tasks in IT management).
4. Learn the basics of Computer Science and Business Administration
5. The most important goal of the program is to prepare students for the job market. The course-related examinations ensure that students have acquired the necessary knowledge and skills they need in their job.

- IS professors that have an outstanding teaching experience
- According to the German higher education ranking, the IS Bachelor's program is one of the best in Germany (https://studiengaenge.zeit.de/studiengang/g2239410/wirtschaftsinformatik?cheProfileid=38193#reiter-ranking)
- Studying with a large degree of application relevance
- The change to make a practical or a foreign semester
- A large German metropol region, which is close to the border of Belgium and Netherlands and offers a plenty of leasure activities
<table>
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<tr>
<th><strong>Course Name</strong></th>
<th>Master Information Systems</th>
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<tr>
<td><strong>Course Description</strong></td>
<td>The Master program Information Systems is completely in English and does not require German language skills. It addresses particularly outstanding Bachelor candidates from around the world, who aim at an international information systems career. Anyone who has completed a IS master's degree in Aachen knows the importance of dynamic capabilities for the digital transformation and is able to change organizations accordingly.</td>
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| **Learning objectives** | 1. Graduates develop and expand dynamic skills, especially in the design and use of corporate information systems, in the context of digital transformation.  
2. Graduates are able to analyze, evaluate and change the information system and process landscape of companies from an economic and technological perspective.  
3. Graduates analyze, evaluate and communicate the practical implications of digital transformation for companies and society, especially with regard to sustainable management.  
4. Graduates use scientific methods to develop evidence-based new findings and apply them in a design-oriented manner.  
5. Graduates shape the digital transformation process in intercultural and interdisciplinary teams as specialists or managers. |
| **Level** | MA |
| **Teaching Mode** | On campus |