

## Bachelor degree programme SOFTWARE DESIGN

### COMMUNICATION > OPEN SOURCE > APPLIED COMPUTER SCIENCES > SOFTWARE ENGINEERING > E-LEARNING > BUSINESS & LAW > IT INFRASTRUCTURE

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The bachelor degree programme focuses on our primary communication medium – the internet. The Software Design programme can be completed on a part-time basis for those who wish to work whilst studying.

Multimedia teaching and learning methods enable students to study from almost anywhere. E-learning makes up 60% of the programme, and students are required to attend classes for only one or at most two weekends per month, on Fridays and Saturdays. The programme offers students a comprehensive education in the fields of computer and network technologies, new media, operating systems, software engineering, databases, usability and accessibility, e-business, IT law and IT quality management as well as economic, linguistic and social skills.

In addition to a solid background in the subject, numerous national and international projects allow our students to put their freshly acquired knowledge directly into practice. Close cooperation with companies in business and industry encourages a practical approach to problem solving.

*“A comprehensive, practical education at the cutting edge of technology is a basic requirement for my personal and professional development. With its wide range of subject matter, the programme opens up excellent job opportunities, creating the basis for a secure future.”*

Eva Fritz, BSc  
Graduate of Software Design, student of IT Law & Management

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#### FACTS

- Bachelor of Science in Engineering (BSc)
- Part-time
- 6 semesters / 180 ECTS
- 20 places per year
- Language of instruction: German
- Head of Degree Programme:  
FH-Prof. Mag. Dr. Sonja Gögele, MBA MSc
- FH JOANNEUM Kapfenberg

[www.fh-joanneum.at/swd](http://www.fh-joanneum.at/swd)

## CAREER PROSPECTS

Software designers work as systems analysts in systems modelling and implementation, as database specialists, software developers, IT project managers, and e-business specialists. Their tasks include the specification, design and detailed concepts for software packages, as well as their implementation. Our graduates can also enter any master degree programme offered by the Department of Applied Computer Sciences at FH JOANNEUM, such as IT & Mobile Security or IT Law & Management. This provides them with a multitude of career opportunities, according to their individual interests and requirements.

*“A proverb says: for someone who only has a hammer, every problem looks like a nail. This programme gave us an entire ‘toolbox’ of methods and procedures, so that solving problems is no longer a tedious chore but a pleasure.”*

DI (FH) Günther Hutter, MSc, Graduate

CURRICULUM: 180 ECTS (30 ECTS per semester)

1st semester	2nd semester	3rd semester	4th semester	5th semester	6th semester
English & Soft Skills 3 ECTS	English & Soft Skills 2.5 ECTS	English & Soft Skills 2.5 ECTS	English & Soft Skills 2 ECTS	English & Soft Skills 2.5 ECTS	English & Soft Skills 2 ECTS
Online Marketing & IT Law 4 ECTS	Online Marketing & IT Law 5 ECTS	Online Marketing & IT Law 4.5 ECTS	Online Marketing & IT Law 4 ECTS	Online Marketing & IT Law 3.5 ECTS	Online Marketing & IT Law 5 ECTS
Applied Computer Science 15 ECTS	Applied Computer Science 12 ECTS	Applied Computer Science 18 ECTS	Applied Computer Science 7.5 ECTS	Applied Computer Science 5 ECTS	Applied Computer Science 10 ECTS
			Web & Cloud Technology 5 ECTS	Web & Cloud Technology 7.5 ECTS	
Web & Cloud Technology 5.5 ECTS	Web & Cloud Technology 5 ECTS		Cluster & Server Technology 5 ECTS	Cluster & Server Technology 5 ECTS	Bachelor's Thesis 13 ECTS
Cluster & Server Technology 2.5 ECTS	Cluster & Server Technology 5.5 ECTS		Projects 6.5 ECTS	Projects 6.5 ECTS	
		Web & Cloud Technology 2.5 ECTS			
		Cluster & Server Technology 2.5 ECTS			
Applied Computer Science 67.5 ECTS	Online Marketing & IT Law 26 ECTS	Cluster & Server Technology 20.5 ECTS	Web & Cloud Technology 25.5 ECTS	English & Social Skills 14.5 ECTS	Projects, Bachelor's Theses, Internship 26 ECTS