Bachelor degree programme
eHEALTH

HEALTH > SOCIAL > COMPUTER SCIENCES > MANAGEMENT > QUALITY OF LIFE > PREVENTION > PROCESSES

A career in the healthcare sector requires specialist knowledge as well as the skills to understand the needs of patients and the culture of the social and health professions. In addition to interdisciplinary expertise in computer sciences, business, law, science, process, project and quality management, our eHealth bachelor degree programme therefore also places particular importance on English, ethics as well as communication and team skills.

You can specialise in Health Information Systems or in Personal Digital Assistant Systems, which focuses on the development of IT systems providing technical assistance in independent living.

Our students work on several practice oriented projects during their course. In their third year, they write two bachelor's theses at private and public organisations across the social and healthcare sector, for example in cooperation with hospitals. The internships provide our students with the opportunity to learn the skills necessary to deal with the challenges of working life, and to meet potential future employers.

"Changes in the healthcare sector require innovative and efficient solutions, both in IT and management. The eHealth course at FH JOANNEUM offers a comprehensive education, enabling graduates to provide progressive and effective input into the healthcare system."

Daniela Kniebernig, BSc, MSc
eHealth Graduate

FACTS
· Bachelor of Science in Engineering (BSc)
· 6 semesters / 180 ECTS
· Full-time
· 45 places per year
· Language of instruction: German
· Head of Degree Programme:
  DI Dr. Robert Mischak MPH
· FH JOANNEUM Graz

  www.fh-joanneum.at/geb

CAREER PROSPECTS

Our graduates work for hospitals, insurance companies, health authorities, care facilities and rehabilitation centres as well as numerous IT companies and research institutions. Their tasks include typical information management, process and project management, or quality management as also the development of IT systems enabling people to lead an independent life. Graduates with a bachelor's degree in eHealth are equipped with relevant experience and knowledge of the sector, and this opens up excellent careers opportunities. You may also choose to study for a master's degree at a university or university of applied sciences, for example eHealth at FH JOANNEUM.

"At the start of my university education I decided on the bachelor degree programme in eHealth. I have always been fascinated by the healthcare system, and particularly the information technology behind it, and that's why I applied to Siemens for an internship. To expand my technical and business knowledge, I decided to go on to study on the master degree programme in eHealth which is particularly designed to focus on the challenges of the future."

David Pichler, BSc,
Graduate of the eHealth bachelor degree programme
Student on the eHealth master degree programme, Siemens

CURRICULUM: 180 ECTS (30 ECTS per semester)

1st semester	2nd semester	3rd semester	4th semester	5th semester		6th semester	
English & Social Skills 5 ECTS	English & Social Skills 5 ECTS	English & Social Skills 2.5 ECTS	English & Social Skills 2.5 ECTS	Medicine, Technology and Ethics 1 ECTS		eHealth in Practice 2.5 ECTS	
Basics of Medicine 5 ECTS	Medical Documentation and Standards 7.5 ECTS	Medical Documentation and Standards 5 ECTS	Biosignals 2.5 ECTS	Quality and Risk Management in the Health Sector 4 ECTS		Compulsory Elective Computer Sciences 2.5 ECTS	
Medical Documentation and Standards 2.5 ECTS		Software Development 5 ECTS	Software Development 5 ECTS	Diagnostic Imaging 2.5 ECTS		12 Week Internship 15 ECTS	
Software Development 5 ECTS	Software Development 5 ECTS	Databases and Networks 10 ECTS	Databases and Networks 5 ECTS	eHealth Applications 5 ECTS	eHealth Applications 5 ECTS		
Mathematics and Biostatistics 5 ECTS	Mathematics and Biostatistics 5 ECTS		Data Protection and Data Security 5 ECTS	High Availability Systems 2.5 ECTS	Biosensors 2.5 ECTS		
Natural Sciences 2.5 ECTS	Natural Sciences 2.5 ECTS	Project Management 2.5 ECTS	Project Management 2.5 ECTS	eHealth Project HIS 7.5 ECTS	eHealth Project DPA 7.5 ECTS	Bachelor's Thesis 2 HIS and Seminar 10 ECTS	Bachelor's Thesis 2 DPA and Seminar 10 ECTS
Health Economics and Law 5 ECTS	Health Economics and Law 5 ECTS	Process Management 5 ECTS	Business Administration in Healthcare 5 ECTS	Process Management 2.5 ECTS	Health and Social Professions 2.5 ECTS		
			Process Management 2.5 ECTS	Health and Social Professions 2.5 ECTS	Bachelor's Thesis and Scientific Method 5 ECTS		

Applied Computer Science 65 ECTS	Scientific and Methodological Fundamentals 20 ECTS	Medicine, Health Management 40 ECTS	Elective 2.5 ECTS	English & Social Skills 15 ECTS	Projects, Bachelor's Theses, Internship 37.5 ECTS

HIS = Health Information Systems | DPA = Digital Personal Assistant Systems