Programme: Software development and mobile platforms, 180 credits

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The programme aims to provide knowledge of software development for both web and mobile applications, together with an understanding of how both these types of software can be integrated to create effective, secure and user-friendly mobile information systems.

In addition, the programme also aims to give students an in-depth education in data engineering that enables them to work with software development, including for other types of systems and platforms, or to continue studying a master's degree level. It is also important that the programme gives students a good understanding of the business benefits of these IT systems, as well as an understanding of how information systems and business processes interact within a modern organization.

Before the industrial placement course during semester 4, the students will have taken the following courses:

Programming/computer technology - the basics
- Introductory course in computer technology
- An introduction to programming
- Object-oriented software development
- Web development – fundamentals
- Databases

Programming/computer technology – in-depth
- Data structures and algorithms
- Object-oriented software development with design patterns
- Network programming
- iOS-development
- Android and interface design

Mathematics
- Basic mathematics
- Discrete mathematics
- Linear algebra
- Univariate analysis