

## The Degree Programme in Business Information Technology (BIT) of HAMK welcomes exchange students to Hämeenlinna, Finland!

If you study in the field of IT related subjects like project management, software production, IT systems, programming, web pages, servers or ERP or other business systems you are most welcome. The exchange studies in the autumn semester:



- Late August-October
  - **Mobile Programming** (15 cr). We use various mobile platforms. This requires programming skills. No prior mobile programming experience is needed.
- November-December, two options
  - **Business Analytics and Business Intelligence** (15 cr) contains big data studies and systems. We study data processing tools like Power BI.
  - **ICT Project** (15 cr) is a large research or local company oriented project. See the details later. Double degree students take this project in the spring time.
- Language option
  - In addition to these modules, exchange students can select **Finnish language for foreigners** (3 cr) during the autumn semester.

Double degree\* students continue after Christmas:

- **Thesis** (15 cr). We concentrate on the thesis during January-early March. All 3rd year students write their theses at the same time in supervisory groups.
- **ICT Project** (15 cr) during March-early May. Project management and development are in English but some of the content may be in Finnish due to local clients.

The subjects of these projects differ due to the nature of the client. During the years they have covered a wide range of topics from marketing oriented webpages to highly demanding programming, ERP development issues or AR/VR, IoT and open data development.



As you have been reading the text you may have noticed that we have not mentioned the word lecture. We have some lectures, but primarily the teachers are mentors and supervisors to students. A large part of the lectures contains student presentations. We try to keep the learning style as practical as possible.

On faculty level the Degree Programme in Business Information Technology belongs to the School of Entrepreneurship and Business.

\*) In order to complete double degree studies, our universities must have a mutual double degree agreement. Please contact the international coordinator of your own university to learn more about these agreements.

The international coordinator of BIT Lasse Seppänen [lasse.seppanen@hamk.fi](mailto:lasse.seppanen@hamk.fi) is waiting for your contact!

**HAMK**  
HÄMEEN AMMATTIKORKEAKOULU  
HÄME UNIVERSITY OF APPLIED SCIENCES



## Mobile Programming 15 cr

In this module students familiarize themselves with the mobile application development. In the module also virtualization techniques are covered especially keeping software development process in mind. After these studies the student is able to

- program a mobile application functional on various mobile platforms
- recognize features, tools and practices that are common and characteristic especially for mobile application development
- program a multi-platform mobile application that uses different services such as databases
- to choose an appropriate technical solution for the project and justify the selection
- make use of different capabilities of mobile devices when designing the user interface of the application
- utilize basic cloud services for software development keeping also the security in mind
- install and configure virtualization platforms and virtual machines
- select cost efficient cloud solution for a development task
- plan and take into use a development and production environment in a cloud environment



Virtualization Techniques for Software Developers, 5 op

Cross-platform Development, 2,5 op

Mobile Game Development 2,5 op

Mobile Programming Project 5 op

## Business Analytics and Business Intelligence 15 cr

This module covers topics on Big Data, Business Analytics (BA) and Business Intelligence (BI). Big Data as a phenomena and its implications to Business is studied. Data-driven marketing in different digital channels is discussed and analysed. Business related IT system data is analyzed with dashboards to give insight to business. Aspects of large databases are discussed both from business and technical point of view. Business analytics and various methods like predictions and recommendations are covered to give insight how and why these techniques are used in analyzing business. Various BI-tools which are used for analyzing business information and automating the processes of information visualization and reporting are introduced. The module contains a small project where he/she applies the skills learned during the module. Part of the studies are of seminar-type with invited speakers and learning assignments given in advance concerning the speakers presentation. After these studies the student can

- understand the potential of various tools and methods to support business when analyzing business information of potentially large datasets
- apply some tools and methods to support business when analyzing business information of potentially large datasets

Big Data 6 cg

Business Intelligence 6 cr

Project in Business Analytics 3 cr