



COMPUTER SCIENCE 4th SEMESTER

1. The programme

The Computer Science programme is a 2,5-year higher education programme taught in English. The programme aims at qualifying the students to independently perform the job of analysing, planning and realising solutions concerning development, enhancement and integration of IT systems in private and public enterprises on a national as well as international basis.

2. ECTS points the semester grants:

4 th semester	ECTS
Systems Development Exam	10
Specialisation Exam/Elective	20

3. Subjects included in the 4th semester

3.1 Systems Development (10 ECTS)

The instruction will be conducted in English

Content:

- Modelling
- Method
- Pre-analysis
- Design
- Work project
- IT tools
- Experiments
- Quality

The graduate has knowledge about

- the importance of quality criteria for the systems development process and the final design of the system
- the relevance of experiments as part of or as supplement to system development methods

The graduate has skills enabling him/her to

- select a systems development method based on a systematic comparison in a given situation
- work systematically on a project applying a selected systems development method



- relate concrete methods to relevant process models
- plan, assess and regulate a minor project
- document and communicate product and process in connection with systems development

The graduate has competences enabling him/her to

- adjust a systems development method to a project in a manner appropriate to the situation
- participate as a competent partner in a development project
- acquire new process models and systems development methods
- reflect on process and method in practice

3.2 Elective Element: Specialisation (20 ECTS)

The exam is based on the specialisation subject, and the exam form is course work. The specialisation enables the student to qualify the study and professional competences through specialisation and perspectivation of subjects which relate widely to the IT area.

The Academy organises the specialisation by establishing and providing a number of pathways within the objectives of the programme. In this connection the student's wishes as well as the requirements of the local business sector are considered. The Academy can make the agreement with the student that the specialisation takes place at another educational institution or in a company.