BSc degree program in Computer Engineering – Prerequisite rules
Valid from 1st September 2022

Semester

1. Calculus 1 for informaticians
   Introduction to the theory of computing 1
   Basics of programming 1
   English for Electrical Engineering and Informatics
   Digital design

2. Calculus 2 for informaticians
   Introduction to the theory of computing 2
   Theory of algorithms
   Programming 2
   Computer architectures

3. Probability theory and Statistics
   Coding technology
   Databases
   Programming 3
   Operating systems

4. Computer graphics
   Software project laboratory
   Software techniques
   Communication networks
   Management and business economics
   Business law

5. Study specialization subject 1
   Study specialization subject 2
   Study specialization subject 3
   Artificial intelligence
   Professional subject 1
   Professional subject 2

6. Study specialization laboratory 1
   Project laboratory
   IT security
   Professional subject 3
   Professional subject 4
   Professional subject 5
   Micro- and macroeconomics

7. BSc thesis project

LEGEND:
• Dashed line with arrow: signature of the prerequisite course is required to enroll
• Continuous line with arrow: credit for the prerequisite course is required to enroll
• Parallel line + dot: the subject marked with a dot cannot be taken earlier than the other subject
• Dotted line with arrow: The specialization may requires this prerequisite

This document does not contain all subjects. The full list of the subjects to be completed in each semester can be found in the program description and the roadmap. Enrollment for specialization and Thesis work is also based on preliminary conditions; it is included in the program description.