

COMPUTER SCIENCE, BSC

PROGRAM FACTS

- **Program name/academic level:**
Computer Science, BSc
- **Institution:** University of Debrecen
- **Faculty:** Faculty of Informatics
- **Starting date:** September
- **Duration:** 6 semesters
- **Language requirements:** English language proficiency (TOEFL 513 /IELTS 5.5/oral examination)
- **Academic requirements:** high school certificate; Mathematics (written and oral)
- **Tuition Fee:** 5.500 USD/year
- **One time fees:** application fee 150 USD, entrance examination fee 350 USD

SHORT DESCRIPTION

The aim of the program is to train IT professionals who, possessing the solid theoretical knowledge necessary to further develop their skills in the long term, are capable of performing, at an advanced level, the typically software-oriented development, implementation and servicing tasks related to IT equipment and systems, working either independently or as part of a team. Participants in this course will also learn the interaction and modeling skills required to solve IT tasks in all main areas of application.

Subjects: Discrete Mathematics, Calculus, Introduction to Informatics, Logical Basics of Informatics, Automata and Formal

Languages, Computer Architecture, Assembly Languages, Combinatorics and Probability Theory, Operating Systems, High Level Programming Languages, Data Structures and Algorithms, Computer Statistics, Database Systems, System Engineering, Introduction to Computer Graphics, Numerical Mathematics, Operation Research, Programming Environments, Programming Technologies, Theory of Computing, Basics of Artificial Intelligence, Developing Database Systems, Translator Programs, Technology of System Development, Network Architectures and Protocols, Internet Tools and Services, Design and Analysis of Algorithms.

