



Master's Degree Program **Information Technology**

General information

Requirements: Bachelor's degree; foundations of Computer and Software Engineering

Duration: 4 semesters (3 semesters coursework + 1 semester thesis)

ECTS credits: 120

Teaching language: English

Mission statement

To provide students with advanced knowledge in the field of information engineering

theory and practice, familiarize them with the evolution of the current techniques, develop research abilities and prepare them for successful careers as key contributors in information technology development and research projects.

Competencies and knowledge acquired

- Advanced knowledge of the main topics in the field of Information Technology
- Knowledge of the state-of-the-art technologies, and the ability of selecting and applying them to advanced projects development
- Criticism, innovation and research related abilities
- Skills of communication, inter-disciplinary co-operation and team project management



Courses

The curriculum is structured into two course categories:

- Breadth courses present core areas of information technology knowledge at an advanced level (e.g. Distributed Systems, Component Based Software Engineering, Information Technology Project Management, Integrated Information Systems)
- Advanced electives permit an individual choice of specialization from a variety of subjects (e.g. Data Transmission, Coding and Compression, Advanced Databases, Development of Complex Distributed Applications, Real Time System Design, Advanced Software Technologies, Advanced Web Programming)

These courses are supplemented by a thread that develops research skills, starting with a course on Research topics in Information Technology, and continuing with directed research leading up to the final Master's project developed over the entire 4th semester.

Why Information Technology ?

The main objective of the MIT program is to produce highly qualified engineers at master level, with research and development abilities, in the field of Information Technology.



Career opportunities

Information Technology jobs are among the highest paid and have the highest job satisfaction. Computing is very often associated with innovation, and developments in computing tend to drive it, therefore we insist on teaching research and development skills. The possibilities

for future developments are expected to be even greater than they have been in the past. Computing career has space for both collaborative work and individual effort.



Contact

Faculty of Automation and Computers

“POLITEHNICA” University of Timișoara

Addr: Bd. V. Pârvan nr. 2, 300223 Timișoara, Romania

Tel: +40 256 403211

Fax: +40 256 403214

Email: secretariat@ac.upt.ro

Web: <http://www.ac.upt.ro>