



Facultatea de Automatică și Calculatoare

2, Vasile Pârvan Bv., 300223 – Timișoara, Romania

Tel: +40 256 403211, Fax: +40 256 403214

Mail: secretariat@ac.upt.ro, Web: <http://www.ac.upt.ro>



Master's Degree Program Information Technology

General Information

Requirements: Bachelor's degree; foundations of Computer and Information Technology
Duration: 4 semesters (3 semesters coursework + 1 semester Dissertation thesis)
ECTS credits: 120
Program language: English
More information: <https://cs.upt.ro/education/master>

Competencies and Knowledge Acquired

- Advanced knowledge of the main topics and problems in the field of information technology
- Knowledge of current approaches in IT and ability of selecting and applying them in project development
- Critical, innovative and research abilities
- Skills of communication, inter-disciplinary co-operation and team project management

Curriculum

The curriculum is simple and flexible. It is structured into three components:

- **Core component** – each semester, at least 2 courses must be elected out of the following:
 - Semester 1: *Data Transmission, Coding and Compression; Bioinformatics; Cellular Data Networks*
 - Semester 2: *Integrated Information Systems; Optic Fiber Transmissions; Emergent and Collective Intelligence Systems; Fault Diagnosis and Design for Testability*
 - Semester 3: *Advanced Web Programming; High-End Interfaces and Equipment; Big Data in Health and Bioinformatics*
- **Elective component** – each semester, 1 course must be elected out of the course list of *any Master program in the field of Computer and Information Technology*
- **Research component** – develops the research skills of the Master student over the four semesters of the program. It contains courses and activities directly related to research and Master Thesis development

Why Master of Information Technology

- Computer systems and information technology are an important part of our current professional and personal life
- Become a highly qualified specialist in IT
- Master the most recent and safe computing technologies
- Specialty of high demand at national and international level
- Stand out from the crowd – in a highly competitive field, any edge counts!
- Learn new concepts in one of the most important engineering fields
- First step in a possible research career

Benefits and Opportunities

- Information Technology jobs are among the highest paid and have the highest job satisfaction
- Up-to-date and flexible curriculum – choose your own path
- Well equipped laboratories, good infrastructure, latest technologies

Contact

Universitatea Politehnica Timișoara

Facultatea de Automatică și Calculatoare

Addr: 2, Vasile Parvan Bvd., 300223 Timisoara, Romania

Tel: +40 256 403211

Fax: +40 256 403214

Email: secretariat@ac.upt.ro

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

