

Master in Systems and IT Engineering

The Master in Systems and IT Engineering is focused on improving the competitiveness of companies through research and technological innovation.

Objectives

The Master in Systems and IT Engineering trains the students to be able to meet the needs in the areas of Software Engineering, High Performance Computing, Networking and Telecommunications Artificial Intelligence, taking into account the penetration of information technology in all aspects of human life, sectors of economic and social activity, public administration, public services, public infrastructure management, in education and cultural aspects.

Awarded Title

Master in Systems and IT Engineering

Suggested areas of specialization

Artificial intelligence

- Machine Learning
- Multi-agent Systems
- Artificial Vision
- Intelligent Control
- Synthesis and Speech Recognition
- Computational Biology

Networks and Communications

- Network Management and Administration
- Network Security
- Traffic in Communication Networks
- Mobile Networks

High Performance Computing

- Concurrent Programming
- Interconnection Processor Networks
- Reconfigurable Computing
- Grid Computing

Software Architecture

- Client Server Architecture
- Web Architecture
- Techniques and Software Tools Evaluation
- Software Quality

Fuente: <http://www2.utp.edu.co/english/masters/181/master-in-systems-and-it-engineering>



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