MASTER OF SCIENCE IN "INFORMATION TECHNOLOGY"

LEARNING OUTCOMES

By the end of the programme students will be able to:

- Apply professional skills in implementing and maintaining complex information systems like ERP
- Design, develop, secure, and maintain complex computer networks and distributed systems
- Design, process and maintain data warehouses
- Identify and fulfil efficiently the demands for information systems within an organization
- Develop a research study that applies quantitative or qualitative research methods to collect, organize, and analyse data to address an applied scientific research question

PROFILE: SOFTWARE DEVELOPMENT

- Design and develop complex software and applications.
- Manage Big Data and apply artificial intelligence.

PROFILE: BUSINESS IT

- Manage information systems in business management and development.
- Identify business requirements for IT solutions, managing technologic changes, to project and implement IT projects by managing human resources and financial analysis.

PROFILE: INNOVATION

- Adapt to new information technologies under innovation.
- Develop and manage new systems and applications.

PROFILE: PROJECT MANAGEMENT AND EVALUATION

- Manage and evaluate investments in IT projects by monetizing and managing human resources.
- Project and manage a complex IT investment.
- Apply the managerial knowledge in the development of information systems.

CURRICULA

MASTER OF SCIENCE in "INFORMATION TECHNOLOGY" 120 ECTS				
No.	**Year**	**Term**	**Subject Title**	**ECTS**
A - GENERAL SUBJECTS/ 10% / 12 ECTS				
1	I	1	Advanced Research Methods	**6**
2	II	1	Operations Research	**6**
				12
B - CHARACTERIZING/CORE SUBJECTS/ 50-60%/60 ECTS				
1	I	1	Information Systems Applications	**6**
2	I	1	Database Design and Implementation	**6**

No.	Year	Term	Subject Title	ECTS
			MASTER OF SCIENCE in "INFORMATION TECHNOLOGY" 120 ECTS	
3	I	1	Operational Management	6
4	I	2	Computer Networks Management	6
5	I	1	Management of Information Systems	6
6	I	2	IT Systems Development and Design	6
7	I	2	SQL Server and Reporting Platforms	6
8	I	2	Distributed Systems	6
9	II	1	Risk Management in IT	6
10	II	1	Web Development: Applications and Programming	6
				60
			C - INTERDISCIPLINARY/INTEGRATING/ELECTIVE SUBJECTS 12-20% / 18 ECTS	
			PROFILE: SOFTWARE DEVELOPMENT	
1	I	2	Advanced Software Development	6
2	II	2	Big Data Management	6
3	II	1	Artificial Intelligence	6
			PROFILE: BUSINESS IT	
1	I	2	Managerial Skills	6
2	II	1	Innovation Management	6
3	II	2	Financial Management	6
			PROFILE: PROJECT MANAGEMENT AND EVALUATION	
1	I	2	Managerial Skills	6
2	II	2	Economic Evaluation of Projects	6
3	II	1	Project Management and Evaluation	6
			PROFILE: INNOVATION	
1	II	1	Innovation management	6
2	I	2	Digital Marketing and Social Media	6
3	II	2	Brand Management in Digital Economy	6
				18
			D -ADDITIONAL SUBJECTS/ 10% / 12 ECTS	
1	II	2	Internship	12
			E - FINAL OBLIGATIONS / 10-15%/18 ECTS	
1	II	1-2	Diploma Thesis	18
				120