Master's Degree Course in

Telecommunication Engineering: Smart Sensing, Computing and Networking

Course program 2021-2022

Year	Semester	Course	Area (SSD)	Credits (CFU)
1	I	SIMULATION AND PERFORMANCE EVALUATION	MAT/09	**6**
		NETWORKING ASPECTS OF INTERNET OF THINGS	ING-INF/03	**6**
		ANTENNAS AND PROPAGATION	ING-INF/02	**9**
		IoT SENSOR DEVICE PROGRAMMING	ING-INF/05	**6**
	II	IoT MOBILE DEVICE PROGRAMMING	ING-INF/05	**6**
		WIRELESS DEVICES AND NETWORKS	ING-INF/03	**6**
		TELECOMMUNICATION SYSTEMS MEASUREMENTS *oppure* IoT SYSTEMS FOR ENVIRONMENTAL MONITORING	ING-INF/07 *oppure* ICAR/02	**6**
		DISTRIBUTED SYSTEMS AND CLOUD/EDGE COMPUTING	ING-INF/05	**6**
	I/II	Free choice		**6**
2	I	IoT SECURITY	ING-INF/05	**6**
		SMART AND PROGRAMMABLE NETWORKS – *Module 1: Fundamentals of smart and programmable networks*	ING-INF/03	**9**
		BUSINESS MODELS FOR TELECOMMUNICATIONS	ING-IND/35	**6**
		Free choice		**6**
	II	ELECTROMAGNETIC SENSORS AND IMAGE DIAGNOSTICS – *Module 1: Signals and Sensors for Image Diagnostics*	ING-INF/02	**6**
		ELECTROMAGNETIC SENSORS AND IMAGE DIAGNOSTICS – *Module 2: Laboratory of Electromagnetic Sensors for Image Diagnostics*	ING-INF/02	**3**
		MOBILE RADIO NETWORKS	ING-INF/03	**6**
		SMART AND PROGRAMMABLE NETWORKS – *Module 2: Laboratory of smart and programmable networks*	ING-INF/03	**3**
		Thesis		**18**
Total credits				**120**