



**MASTER'S DEGREE IN INTERNET ENGINEERING  
DEGREE PROGRAMME 2025/2026**

Course contents are available at this [link](#)

**1<sup>st</sup> year**

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Integrated Course: Access Technologies and Coding - Module: Codes	ING-INF/03	B	6	60
2	- Module: Access Networks	ING-INF/03	B	6	60
1	Integrated Course: Computer Technologies and Law - Module: Artificial Intelligence	ING-INF/05	C	6	60
1	- Module: Legal Computer Science	IUS/20	C	5	50
1	Integrated Course: Secure and Programmable Networks - Module: Network Security	ING-INF/03	C	4	40
2	- Module: Programmable Networks	ING-INF/03	B	6	60
2	- Module: Network Security Lab	ING-INF/03	F	2	20
1	Integrated Course: Wireless Systems - Module: Wireless Devices Design	ING-INF/02	B	5	50
2	- Module: Pervasive wireless systems	ING-INF/02	B	5	50
2	Stochastic models	ING-INF/04	C	5	50
2	Product management		F	2	20

**2<sup>nd</sup> year**

Sem	Teaching course	SSD*	TAF*	Credits	h
	<i>One course among:</i>				
1	Advanced embedded systems	ING-INF/01	C	8	80
1	Integrated Course: Quantum computing, communications and security - Module: Quantum computing and communications	FIS/03	C	6	60
1	- Module: Quantum security	ING-INF/03	C	2	20
1	Integrated Course: Physical-layer techniques for Wireless Communication Security and applications - Module: Physical-layer techniques for Wireless Communication Security	ING-INF/02	C	6	60
2	- Module: Radio Security in Automotive	ING-INF/02	C	2	20
1	Cybersecurity Technologies and Risk Management	ING-INF/05	C	8	80
1	Internet of Things and Digital Twins	ING-INF/03	B	6	60



	Courses from tab. 1 or tab. 2			20	
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**Tab. 1. Transmission and systems**

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Integrated Communications and Sensing	ING-INF/02	B	6	60
1	Radio Systems Laboratory	ING-INF/02	F	2	20
2	Wireless Networks Planning	ING-INF/03	B	6	60
2	Mimo Wireless Systems	ING-INF/02	C	6	60

**Tab. 2. Services and applications**

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Smart Housing and Smart Cities	ING-INF/03	B	6	60
2	ML for Communications and Networks	ING-INF/03	B	6	60
2	Metaverse	ING-INF/03	C	6	60
2	Service Deployment Laboratory	ING-INF/03	F	2	20

**Additional credits to be acquired**

Sem	Teaching course	SSD	TAF	CFU	Ore
	English Language Test - B2 <sup>2</sup>		F	3	
	Other activities		F	4	
	Elective activities <sup>1</sup>		D	12	
	Final Examination		E	15	

**TOTAL CREDITS 120**

(1) The elective activities must be consistent with the personal educational plan and they need approval by the Degree Programme Board.

(2) The credits of European language level can be acquired:  
 - passing the English language test at B2 European level (CEFR) at Centro Linguistico d'Ateneo,  
 - showing appropriate certification of B2 European level (CEFR) knowledge.

**Other optional activities:**

Sem	Laboratory	SSD	TAF	CFU	Ore
2	iOS Programming	ING-INF/03	F	2	20
2	Radio Security in Automotive	ING-INF/02	F	2	20
2	Project management and team working	ING-INF/03	F	4	40

The semester could change; check in [Course bulletin](#) of the academic year.

**\*Abbreviations**

SSD	Scientific Disciplinary Sector
TAF	Type of Educational Activity