



MASTER'S DEGREE IN INTERNET ENGINEERING

DEGREE PROGRAMME 2026/27

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

1st year

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Integrated course: Access Technologies and Coding				
	- Module: Codes	IINF-03/A	B	6	60
2	- Module: Access Networks	IINF-03/A	B	6	60
1	Integrated course: Computer Technologies and Law				
	- Module: Artificial Intelligence	IINF-05/A	C	6	60
1	- Module: Legal Computer Science	GIUR-17/A	C	5	50
1	Integrated course: Secure and Programmable Networks				
	- Module: Network security	IINF-03/A	C	4	40
2	- Module: Programmable Networks	IINF-03/A	B	6	60
2	- Module: Network Security Lab	IINF-03/A	F	2	20
1	Integrated course: Wireless Systems				
	- Module: Wireless Devices Design	IINF-02/A	B	5	50
2	- Module: Mimo Wireless Systems	IINF-02/A	B	5	50
2	Stochastic models	IINF-04/A	C	5	50

2° anno

Sem	Teaching course	SSD*	TAF*	Credits	h
	<i>Chose between:</i>				
1	Integrated course: Embedded systems				
	- Module: Introduction to embedded systems	IINF-01/A	C	2	20
1	- Module: Advanced embedded systems	IINF-01/A	C	6	60
1	Integrated course: Quantum computing, communications and security				
	- Module: Quantum computing and communications	PHYS-03/A	C	6	60
1	- Module: Quantum security	IINF-03/A	C	2	20
1	Integrated course: Physical-layer techniques for wireless communication security and applications				
	- Modulo: Physical-layer techniques for wireless communication security	IINF-02/A	C	6	60
2	- Module: Radio Security in Automotive	IINF-02/A	C	2	20
1	Cybersecurity technologies and risk management	IINF-05/A	C	8	80



1	Law and Ethics of Artificial Intelligence and Data Protection	GIUR-17/A	C	8	80
1	Internet of things and digital twins 	IINF-03/A	B	6	60
	Courses from tab. 1 or tab. 2			20	

Tab. 1. Transmission and systems

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Integrated Communications and Sensing	IINF-02/A	B	6	60
1	Radio Systems Laboratory	IINF-02/A	F	2	20
2	Wireless Networks Planning	IINF-03/A	B	6	60
2	Pervasive wireless systems	IINF-02/A	C	6	60

Tab. 2. Services and applications

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Smart housing and smart cities	IINF-03/A	B	6	60
2	ML for Communications and Networks	IINF-03/A	B	6	60
2	Metaverse	IINF-03/A	C	6	60
2	Service Deployment Laboratory	IINF-03/A	F	2	20

Additional credits to be acquired

Sem	Activity	SSD*	TAF*	Credits	h
	English Language Test - B2 ²		F	3	
	Other activities		F	6	
	Elective activities ¹		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	Laboratorio	SSD	TAF	CFU	Ore
2	iOS Programming	IINF-03/A	F	2	20
2	Radio Security in Automotive	IINF-02/A	F	2	20
2	Product management	IINF-03/A	F	2	20



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

***Abbreviations**

SSD	Scientific Disciplinary Sector
TAF	Type of Educational Activity