






MASTER'S DEGREE IN INTERNET ENGINEERING



DEGREE PROGRAMME 2019/2020

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

1st year

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Corso integrato: Information Theory				
	- Module: Codes	ING-INF/03	B	6	60
1	- Module: Digital media	ING-INF/03	C	6	60
1	Integrated Course: Operating Systems and Law				
	- Module: Operating Systems 	ING-INF/05	C	7	70
1	- Module: Computer Science and New Technologies: Legal Aspects	ING-INF/03	C	4	40
1	Integrated Course: Communication Systems				
	- Module: Mobile Networks	ING-INF/03	B	6	60
2	- Module: Access networks	ING-INF/03	B	5	50
2	Wireless Network Design	ING-INF/02	B	7	70
2	Cybersecurity Technologies and Risk Management 	ING-INF/05	C	10	100
2	Stochastic models 	ING-INF/04	C	5	50
2	Neurons Working	ING-INF/03	F	3	30

2nd year

Sem	Insegnamento	SSD	TAF	CFU	Ore
1	Integrated Course: Pervasive wireless communications				
	- Module: Radiopropagation in Wireless Communications	ING-INF/02	B	5	50
2	- Module: Pervasive wireless systems	ING-INF/02	B	5	50
1	Internet of Things 	ING-INF/03	B	6	60
1	Cloud Networking and Data Analysis	ING-INF/03	C	5	50
2	Innovative Architectures and Applications in the Internet	ING-INF/03	B	6	60
1	<i>Choose between:</i>				
	Advanced embedded systems 	ING-INF/01	C	8	80
2	Integrated Course: Smart systems				
	- Module: Applications for Smartcities	ING-INF/03	C	4	40
2	- Module: Smart housing	ING-INF/03	C	4	40



Additional credits to be acquired

Sem	Activity	SSD*	TAF*	Credits	h
	Other activities or English Language Test ²		F	3	
	Elective activities ¹		D	8	
	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. If the student can show appropriate certification of B2 European level (CEFR) knowledge other activities (laboratories or internship) must be acquired.

Other optional activities:

Sem	Laboratory	SSD	TAF	Credits	h
	Image and Video Processing	ING-INF/03		2	
	iOS Programming	ING-INF/03		2	
	SDR – Software defined radio	ING-INF/03		2	
	QoE management	ING-INF/03		3	
	Digital Forensics	ING-INF/03		3	

***Abbreviations**

SSD	Scientific Disciplinary Sector
TAF	Type of Educational Activity