



## MASTER'S DEGREE IN ELECTRONIC ENGINEERING

### DEGREE PROGRAMME 2014/2015

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

#### 1<sup>st</sup> year

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Integrated Course: Integrated Circuits				
	- Module: Analog Integrated Circuits	ING-INF/01	B	5	50
	- Module: Digital Integrated Circuits	ING-INF/01	B	5	50
1	Integrated Course: Optoelectronics and Reliability				
	- Module: Optoelectronics	ING-INF/01	B	5	50
	- Module: Reliability of Electron Devices	ING-INF/01	B	5	50
2	Automata and Petri Nets	ING-INF/04	C	5	50
2	Automatic Measurement Systems	ING-INF/07	B	6	60
2	Integrated Course: Communication Systems				
	- Module: Digital Communications	ING-INF/03	C	6	60
	- Module: Mobile Communications	ING-INF/03	C	4	40
1	<i>One course among:</i> Nanoelectronics	FIS/03	C	6	60
2	Multi-agent Control Systems	ING-INF/04	C	6	60
2	Computer Security	ING-INF/05	C	6	60

#### 2<sup>nd</sup> year

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Integrated Course: Operating Systems and Artificial Intelligence				
	- Module: Operating Systems	ING-INF/05	C	7	70
	- Module: Artificial Intelligence	ING-INF/05	C	5	50
1	Advanced Control Systems	ING-INF/04	C	7	70
1	<i>Choose between:</i> Microwave Remote Sensing	ING-INF/02	B	7	70
1	Advanced Electronic Devices and Technologies	ING-INF/01	B	7	70
2	Integrated Course: Computer Architectures and Integrated Systems				
	- Module: Computer Architectures	ING-INF/01	B	5	50
	- Module: Embedded Systems	ING-INF/01	B	5	50
2	Design of Microwave Circuits	ING-INF/02	B	10	100



**Additional credits to be acquired**

Sem	Activity	SSD*	TAF*	Credits	h
	Elective activities <sup>1</sup>		D	8	
	Other activities or internship		F	4	
	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.

**\*Abbreviations**

SSD	Scientific Disciplinary Sector
TAF	Type of Educational Activity