




MASTER'S DEGREE IN ELECTRONIC ENGINEERING


DEGREE PROGRAMME 2017/2018

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



1st year

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Integrated Course: Integrated Circuits				
	- Module: Digital Integrated Circuits	ING-INF/01	B	5	50
	- Module: Analog 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	Wireless Transmission	ING-INF/03	C	6	60

2nd 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
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	Teaching course	SSD*	TAF*	Credits	h
	<i>Choose between:</i>				
1	Wireless Network Design	ING-INF/02	B	7	70
1	Advanced Electronic Devices and Technologies	ING-INF/01	B	7	70
	<i>One course among:</i>				
1	Nanoelectronics	FIS/03	C	6	60
2	Control of Network Systems 	ING-INF/04	C	6	60
2	Computer Security 	ING-INF/05	C	6	60




Additional credits to be acquired

Sem	Activity	SSD*	TAF*	Credits	h
	Elective activities ¹		D	8	
	Other activities or internship		F	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.

Other optional activities:

Sem	Activity	SSD*	TAF*	Credits	h
	Diagnostics of Electron Devices	ING-INF/01	F	2	30
	Labview	ING-INF/07	F	2	20
	Machine Learning Lab 	ING-INF/05	F	4	40
	Microcontroller-Based Iot Systems	ING-INF/01	F	2	20
	Microelectronic Design	ING-INF/01	F	2	30
	Project Management	SECS-P/08	F	4	36
	Simulation of Control System in Stateflow/Simulink Environment	ING-INF/04	F	2	20

***Abbreviations**

SSD	Scientific Disciplinary Sector
TAF	Type of Educational Activity