



MASTER'S DEGREE IN ELECTRONIC ENGINEERING

DEGREE PROGRAMME 2015/2016

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

1st year – 1st semester

Teaching course	SSD*	TAF*	Credits	h
Integrated Course: Integrated Circuits				
- Module: Analog Integrated Circuits	ING-INF/01	B	5	50
- Module: Digital Integrated Circuits	ING-INF/01	B	5	50
Integrated Course: Optoelectronics and Reliability				
- Module: Optoelectronics	ING-INF/01	B	5	50
- Module: Reliability of Electron Devices	ING-INF/01	B	5	50
Total Credits 1 st year – 1 st semester			20	

1st year – 2nd semester

Teaching course	SSD	TAF	Credits	h
Automata and Petri Nets	ING-INF/04	C	5	50
Digital Communications	ING-INF/03	C	6	60
Automatic Measurement Systems	ING-INF/07	B	6	60
<i>choose between:</i>				
Multi-Agent Control Systems	ING-INF/04	C	6	60
Computer Security	ING-INF/05	C	6	60
Total Credits 1 st year – 2 nd semester			23	

2nd year – 1st semester

Teaching course	SSD	TAF	Credits	h
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
Advanced Control Systems	ING-INF/04	C	7	70
<i>choose between:</i>				
Microwave Remote Sensing	ING-INF/02	B	7	70
Advanced Electronic Devices and Technologies	ING-INF/01	B	7	70
Total Credits 2 nd year – 1 st semester			26	



2nd year – 2nd semester

Teaching course	SSD	TAF	Credits	h
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
Design of Microwave Circuits	ING-INF/02	B	10	100
Final Exam		E	15	
Total Credits 2 nd year – 2 nd semester			35	

Additional credits to be acquired	TAF	Credits
Elective activities ¹	D	8
Other activities	F	8

8 Credits chosen among:

Teaching course	SSD	TAF	Credits
Diagnostics of Electron Devices	ING-INF/01	F	2
Labview	ING-INF/07	F	2
Microelectronic Design	ING-INF/01	F	2
Mobile Communications	ING-INF/03	F	4
Project management	SECS-P/08	F	4
Total credits to be achieved			8

Total credits 120

***Abbreviations**

SSD	Scientific Disciplinary Sector
TAF	Type of Educational Activity

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