




**MASTER'S DEGREE IN  
COMPUTER ENGINEERING, CYBERSECURITY AND ARTIFICIAL INTELLIGENCE  
DEGREE PROGRAMME 2023/24** 

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

**1<sup>st</sup> year**

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Industrial Software Development	ING-INF/05	B	8	80
1	Operating Systems	ING-INF/05	B	7	70
1	Supervisory control and monitoring	ING-INF/04	B	9	90
1	Integrated course: Intelligent Systems - Module: Artificial Intelligence	ING-INF/05	B	6	60
2	- Module: Machine Learning	ING-INF/05	B	6	60
2	Cybersecurity Technologies and Risk Management	ING-INF/05	B	8	80
2	Fault diagnosis and estimation in dynamical systems	ING-INF/04	B	5	50

**2<sup>nd</sup> year**

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Integrated course: Embedded Systems - Module: Advanced Embedded Systems	ING-INF/01	C	8	80
1	- Module: Internet of Things	ING-INF/03	C	6	60
1	Integrated course: Network and Application Security - Module: Network Security	ING-INF/03	C	4	40
1-2	- Module: Web security and malware analysis	ING-INF/05	B	6	60
2	Integrated course: Computer Forensics - Module: Computer Forensics Techniques	ING-INF/05	B	5	50
2	- Module: Computer Law	IUS/20	C	5	50
2	<i>One course among:</i> Biometric Technologies and Behavioural Security	ING-INF/05	B	5	50
2	Machine Learning Security	ING-INF/05	B	5	50
2	Networked control systems and security	ING-INF/04	B	5	50
2	Stochastic Models	ING-INF/04	B	5	50



**Additional credits to be acquired**

Sem	Activity	SSD*	TAF*	Credits	h
	1 course from tab. 1		C	6	
	Other activities		F	2	
	Elective activities <sup>1</sup>		D	9	
	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.

**Tab 1. Courses TAF C (1 from the list)**

Sem	Teaching course	SSD*	TAF*	Credits	h
<b>1<sup>st</sup> year</b>					
2	Integrated course: Smart Grid and Critical Infrastructures - Module: Industrial Informatics for energy storage systems	ING-IND/32	C	2	20
2	- Module: Critical infrastructures for innovative power distribution	ING-IND/33	C	2	20
2	- Module: Measurements and Cybersecurity for Smart Grid	ING-INF/07	C	2	20
2	Data driven models for system engineering	ING-IND/31	C	6	60
<b>2<sup>nd</sup> year</b>					
1	Physical-layer techniques for Wireless communication security	ING-INF/02	C	6	60

**\*Abbreviations**

SSD	Scientific Disciplinary Sector
TAF	Type of Educational Activity