

Code	ssd/domain	course name	sem	CFU	Group CFU
Track "Big Data and Data Science"					
YEAR I					
SEMESTER 1					
088983	MAT/09	FOUNDATIONS OF OPERATIONS RESEARCH	1	5	5
089182	ING-INF/05	FORMAL LANGUAGES AND COMPILERS	1	5	5
089183	ING-INF/05	DATA BASES 2	1	5	5
089184	ING-INF/05	SOFTWARE ENGINEERING 2	1	5	5
089202	ING-INF/05	TECHNOLOGIES FOR INFORMATION SYSTEMS	1	5	5
090950	ING-INF/05	DISTRIBUTED SYSTEMS	1	5	5
	ING-INF/05	UNSTRUCTURED DATA MANAGEMENT (**)	1	5	
090931	ING-INF/05	MIDDLEWARE TECHNOLOGIES FOR DISTRIBUTED SYSTEMS	1	5	
SEMESTER 2					
088949	ING-INF/05	ADVANCED COMPUTER ARCHITECTURES	2	5	5
095898	ING-INF/05	COMPUTING INFRASTRUCTURES	2	5	5
051587	ING-INF/04	MODEL IDENTIFICATION AND DATA ANALYSIS	2	10	10
091023	ING-INF/05	BUSINESS INFORMATION SYSTEMS 1	2	5	5
090874	ING-INF/05	BUSINESS INFORMATION SYSTEMS 2	2	5	5
089165	ING-INF/05	COMPUTER SECURITY (*)	2	5	
097683	ING-INF/05	MACHINE LEARNING 1	2	5	
089167	ING-INF/05	DATA MINING AND TEXT MINING (UIC 583)	2	5	
YEAR II					
SEMESTER 1					
095944	ING-INF/05	BIOINFORMATICS AND COMPUTATIONAL BIOLOGY		5	10
094743	ING-INF/05	DATA MANAGEMENT FOR THE WEB		5	
090945	ING-INF/05	COMPUTER SYSTEMS PERFORMANCE EVALUATION		5	
097659	MAT	BAYESIAN STATISTICS		10	
097380	GES	MULTICHANNEL CUSTOMER STRATEGY		10	10
096078	GES	ACCOUNTING, FINANCE AND CONTROL		10	
096088	GES	OPERATIONS MANAGEMENT		10	
SEMESTER 2					
095967	MAT	APPLIED STATISTICS	2	10	10
095965	MAT	ADVANCED PROGRAMMING FOR SCIENTIFIC COMPUTING	2	10	10
	ING-INF/05	MACHINE LEARNING 1	2	5	
	ING-INF/05	MACHINE LEARNING 2 (**)	2	5	
089167	ING-INF/05	DATA MINING AND TEXT MINING (UIC 583)	2	5	
090931	ING-INF/05	MIDDLEWARE TECHNOLOGIES FOR DISTRIBUTED SYSTEMS	2	5	
089073	ING-INF/03	INTERNET OF THINGS	2	5	
	ING-INF/05	DATA INTELLIGENT APPLICATIONS	2	5	
090955	ING-INF/05	DEPENDABLE SYSTEMS	2	5	
089165	ING-INF/05	COMPUTER SECURITY (*)	2	5	
Total credits in courses					100
IMPORTANT NOTES:					
(*)THE COMPUTER SECURITY COURSE IS MANDATORY FOR THE PSPA, THUS IF NOT INCLUDED IN THE FIRST YEAR MUST MANDATORILY BE INCLUDED IN THE SECOND YEAR					
(**) THE COURSES "UNSTRUCTURED DATA MANAGEMENT" AND "MACHINE LEARNING 2" WILL BE SUPPLIED STARTING FROM 2019-2020					

(**) Starting in 2019-2020

(**) Starting in 2019-2020

(*) Mandatory for the PSPA