

CORSO DI LAUREA MAGISTRALE DATA SCIENCE

Allegato 2 - DIDATTICA PROGRAMMATA (COORTE 2024-25)LM – DATA SCIENCE

I YEAR 60 CFU

	SSD	COURSE	ETCS	Teachers
Optional	MAT/05	CALCULUS FOR DATA SCIENCE	9	Gaudiello
	MAT/09	ADV. OPERATIONAL RESEARCH	6	(RTD B) - 3 cfu Toraldo 3 cfu
	MAT/06	SPATIAL RANDOM PROCESSES		Pirozzi
	SECS-S/01	TIME SERIES AND SEQUENTIAL DATA ANALYSIS	9	Balzanella 7 cfu Romano 2 cfu
	SECS-S/01	BIostatISTICS	6	Giacalone (Avv. Economia)
	INF/01 ING_INF/05	MACHINE LEARNING AND AI Modulo I part 6 cfu Modulo II part 6 cfu	12	Esposito A. 3 CFU + Cordasco 3 CFU (Avv. Psicologia) Marulli 6 CFU
	MAT/08	NUMERICAL METHODS FOR DATA SCIENCE	9	Toraldo
	ING-INF/05	ELEMENTS OF SOFTWARE ENGINEERING AND INFORMATION SYSTEMS: Modulo 3 cfu: INFORMATION SYSTEM Modulo 6 cfu: ELEMENTS OF SOFTWARE ENGINEERING	9	Iacono 3 CFU + Campanile 6 CFU
			60	

II YEAR

CURRICULUM "DATA SCIENCE FOR SCIENTIFIC APPLICATIONS"

	SSD	COURSE	ETCS	Teachers
Elective courses: 2 out of 3 (6 ETCS)				
Optional	SECS-S/01	NETWORK ANALYSIS	12	Irpino
	MAT/06	MEASUREMENT THEORY		Carbonaro
	SECS-S/01	STATISTICAL AND MACHINE LEARNING METHODS FOR INFORMATION TECHNOLOGIES		Verde + 2 cfu contract
	IUS/01	LAW, ETHICS AND PRIVACY IN INFORMATION MANAGEMENT	6	Ruggiero (avv.Scienze Politiche)
Elective courses: 2 out of 5 (6 ETCS)				
Optional	FIS/04	COMPUTATIONAL METHODS FOR PHYSICS	12	Itaco
	FIS/02	STOCHASTIC PROCESSES FOR PHYSICS		Sarracino (avv.Ingegneria)
	FIS/02	QUANTUM COMPUTING		De Gregorio - RTD A PON
	MAT/08	NUMERICAL MODELS IN DATA PROCESSING		De Simone 4 cfu Campagna 2 cfu
	BIO/10 - BIO/18	BIOINFORMATICS		Pignata (avv. Distabif)
	FREE		8	
	Linguistic skills		2	
	Seminars/training		2	
	Internships/Stage	-	8	
	Thesis		10	
			60	

**II YEAR
CURRICULUM**

**"DATA SCIENCE FOR OFFICIAL STATISTICS AND
BUSINESS ANALYTICS"**

Optional

SSD	COURSE	ETCS	teachers
SECS-S/01	NETWORK ANALYSIS	6	Irpino
SECS-S/01	STATISTICAL AND MACHINE LEARNING METHODS FOR INFORMATION TECHNOLOGIES	6	Verde + 2 cfu contract
SECS-P/07	BUSINESS PERFORMANCE ANALYTICS	6	Zagaria (Avv.Economia)
IUS/01	LAW, ETHICS AND PRIVACY IN INFORMATION MANAGEMENT		Ruggiero (Avv.Scienze Politiche)
Elective courses: 2 out of 5 (6 ETCS)			
SECS-P/08	DIGITAL MARKETING	12	Celestino
SECS-S/01	LONGITUDINAL AND MULTI-VIEW DATA ANALYSIS		Lombardo
ING-INF05	WEB INTELLIGENCE		Baccari (RTDA FIS/02)
SECS-S/05	INDICATORS AND SURVEYS DESIGN FOR OFFICIAL STATISTICS		Camminatiello (Avv.Economia)
SECS-P/01	BEHAVIORAL ECONOMICS		Disattivato 24/25
FREE		8	
Linguistic skills		2	
Seminars/training		2	
Internships/Stage		8	
Thesis		10	
		60	
		120	

