

Allegato 2 - DIDATTICA PROGRAMMATA (COORTE 2023-24)

LM – DATA SCIENCE

I YEAR 60 CFU

	SSD	COURSE	ETCS	Teachers
Optional		ANALYSIS		Pellacci
	MAT/05	CALCULUS FOR DATA SCIENCE	9	Gaudiello
Optional	MAT/09	ADV. OPERATIONAL RESEARCH	6	Crisci - 4 cfu
	MAT/06	SPATIAL RANDOM PROCESSES		Toraldo 2 cfu
Optional	SECS-S/01	STATISTICS FOR DATA SCIENCE	9	Enrica Pirozzi
	SECS-S/01	TIME SERIES AND SEQUENTIAL DATA ANALYSIS		Balzanella
	SECS-S/01	BIOSTATISTICS	6	Balzanella 7 cfu Romano 2 cfu
	INF/01 ING_INF/05	MACHINE LEARNING AND AI	12	Massimiliano Giacalone
	MAT/08	NUMERICAL METHODS FOR DATA SCIENCE	9	Marulli (6) Esposito A. (3) + Cordasco (3)
Optional	ING-INF/05	ELEMENTS OF SOFTWARE ENGINEERING AND INFORMATION SYSTEMS	9	De Simone
	ING-INF/05	PROGRAMMING FOR DATA SCIENCE		Iacono (3) + (6) (contratto)
			60	Iacono 3 CFU + Marulli 4 CFU + Marrone 2 CFU

I YEAR 60 CFU

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
	IUS/01	LAW, ETHICS AND PRIVACY IN INFORMATION MANAGEMENT	6	Ruggiero (avvalimento 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 (avvalimento Ingegneria)
	FIS/02	QUANTUM COMPUTING		De Gregorio - RTD A PON
	MAT/08	NUMERICAL MODELS IN DATA PROCESSING		Campagna
	BIO/10 - BIO/18	BIOINFORMATICS		Pignata (avvalimento Distabif)
	FREE		8	
	Linguistic skills		2	
	Seminars/training		2	
	Internships/Stage	-	8	
	Thesis		10	

II YEAR
CURRICULUM

"DATA SCIENCE FOR OFFICIAL STATISTICS AND
BUSINESS ANALYTICS"

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