

LM DATA SCIENCE 2022-2023 - Study plan

I YEAR 60 CFU - DATA SCIENCE (Single path in the first year)				
	SSD	COURSE	ETCS	PROF
A course to choose	MAT/05	Analysis	9	Benedetta Pellacci
		Calculus For Data Science		Antonio Gaudiello
A course to choose	MAT/09	Adv. Operational Research	6	4 ECTS Gerardo Toraldo 2 ECTS Serena Crisci
	MAT/06	Spatial Random Processes		Inactive
A course to choose	SECS-S/01	Statistics For Data Science	9	Antonio Balzanella
		Time Series And Sequential Data Analysis		7 ECTS Antonio Balzanella 2 ECTS Elvira Romano
Mandatory	SECS-S/01	Biostatistics	6	Fabrizio Maturo
Mandatory	INF/01 ING_INF/05	Machine Learning And AI	12	Fiammetta Marulli (6 ECTS) - Anna Esposito (3 ECTS) + Gennaro Cordasco (3 ECTS);
Mandatory	MAT/08	Numerical Methods For Data Science	9	Valentina De Simone
A course to choose	ING-INF/05	Elements Of Software Engineering And Information Systems	9	Mauro Iacono (3 ECTS) - Pasquale Cantiello (6 ECTS) (INGV)
		Programming For Data Science		(3 ECTS) Mauro Iacono (6 ECTS) CONTRACT TEACHER
TOTAL			60	

II YEAR 60 CFU - DATA SCIENCE FOR SCIENTIFIC APPLICATIONS				
	SSD	COURSE	ETCS	PROF
Two courses to choose	SECS-S/01	Network Analysis	12	Antonio Irpino
	MAT/06	Measurement Theory		Bruno Carbonaro
	SECS-S/01	Statistical And Machine Learning Methods For Information Technologies		Rosanna Verde
Mandatory	IUS/01	Law, Ethics And Privacy In Information Management	6	Domenico Giovanni Ruggiero
Two courses to choose	FIS/04	Computational Methods For Physics	12	Nunzio Itaco
	FIS/02	Stochastic Processes For Physics Analysis		Eugenio Lippiello
		Quantum Computing		Giovanni De Gregorio
	MAT/08	Numerical Models In Data Processing		Rosanna Campagna
	BIO/10- BIO/18	Bioinformatics		(To be assigned)
Mandatory		FREE	8	
Mandatory		Linguistic skills	2	
Mandatory		Seminars/training	2	
Mandatory		Internships/Stage	8	
Mandatory		Thesis	10	
TOTAL			60	

II YEAR 60 CFU - DATA SCIENCE FOR OFFICIAL STATISTICS AND BUSINESS ANALYTICS				
	SSD	COURSE	ETCS	PROF
Mandatory	SECS-S/01	Network Analysis	6	Antonio Irpino
Mandatory	SECS-S/01	Statistical And Machine Learning Methods For Information Technologies	6	Rosanna Verde
Two courses to choose	SECS-P/07	Business Performance Analytics	6	Claudia Zagaria
	IUS/01	Law, Ethics And Privacy In Information Management		Domenico Giovanni Ruggiero
Two courses to choose	SECS-P/08	Digital Marketing	12	Barbara Masiello
	SECS-S/01	Longitudinal And Multi-view Data Analysis		Rosaria Lombardo
	ING-INF05	Web Intelligence		Silvio Baccari
	SECS-S/05	Indicators And Surveys Design For Official Statistics		Ida Camminatiello
	SECS-P/01	Behavioral Economics		Enrica Carbone
Mandatory		FREE	8	
Mandatory		Linguistic skills	2	
Mandatory		Seminars/training	2	
Mandatory		Internships/Stage	8	
Mandatory		Thesis	10	
TOTAL			60	