

CORSO DI LAUREA MAGISTRALE DATA SCIENCE

PIANO DI STUDI

I YEAR 60 CFU

	SSD	COURSE	ETCS
<i>Optional</i>	MAT/05	CALCULUS FOR DATA SCIENCE	9
	MAT/09	Adv. Operational Research or	6
	MAT/06	SPATIAL RANDOM PROCESSES	
	SECS-S/01	TIME SERIES AND SEQUENTIAL DATA ANALYSIS	9
	SECS-S/01	BIostatISTICS	6
	INF/01 ING_INF/05	MACHINE LEARNING AND AI	12
	MAT/08	NUMERICAL METHODS FOR DATA SCIENCE	9
	ING-INF/05	ELEMENTS OF SOFTWARE ENGINEERING AND INFORMATION SYSTEMS	9
			60

II YEAR 60 CFU

	CURRICULUM	"DATA SCIENCE FOR SCIENTIFIC APPLICATIONS"	
	SSD	COURSE	ETCS
Elective courses: 2 out of 3 (6 ETCS)			
<i>Optional</i>	SECS-S/01	NETWORK ANALYSIS	12
	MAT/06	MEASUREMENT THEORY	
	SECS-S/01	Statistical and Machine learning methods for information Technologies	
	IUS/01	LAW, ETHICS AND PRIVACY IN INFORMATION MANAGEMENT	6
Elective courses: 2 out of 5 (6 ETCS)			
<i>Optional</i>	FIS/04	Computational Methods for Physics	12
	FIS/02	Stochastic processes for Physics analysis	
	FIS/02	Quantum computing	
	MAT/08	Numerical Models in Data Processing	
	BIO/10 - BIO/18	BIOINFORMATICS	
	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"**

	SSD	COURSE	ETCS
<i>Optional</i>	SECS-S/01	NETWORK ANALYSIS	6
	SECS-S/01	STATISTICAL AND MACHINE LEARNING METHODS FOR INFORMATION TECHNOLOGIES	6
	SECS-P/07	BUSINESS PERFORMANCE ANALYTICS	6
	IUS/01	LAW, ETHICS AND PRIVACY IN INFORMATION MANAGEMENT	
	Elective courses: 2 out of 5 (6 ETCS)		
	SECS-P/08	DIGITAL MARKETING	12
	SECS-S/01	LONGITUDINAL AND MULTI-VIEW DATA ANALYSIS	
	ING-INF05	WEB INTELLIGENCE	
	SECS-S/05	INDICATORS AND SURVEYS DESIGN FOR OFFICIAL STATISTICS	
	SECS-P/01	BEHAVIORAL ECONOMICS	
	FREE		8
	Linguistic skills		2
	Seminars/training		2
	Internships/Stage		8
	Thesis	-	10
			60
			120

