

CdL (Bachelor) in Data Analytics	3 Years - 180 ETCS
Università della Campania "Luigi Vanvitelli"	
Dipartimento di Matematica e Fisica	
I Year (60 ETCS) - 2019-2020	

Sector	Courses	Semester	ETCS
ING-INF/05	Fundamentals of computer science	1	6
SECS-P/01	Economics	1	6
MAT/05	Analysis	1	9
SECS-S/01	Statistics	1	9
ING-INF/05	Fundamentals of programming	2	6
MAT/03	Linear algebra	2	6
MAT/07	Probability theory	2	6
SPS/07	Methodology of social research	2	6
	Free	2	6
			60

II Year (60 ETCS)

		Semester	ETCS
SECS-S/06	Financial Mathematics	1	6
SECS-S/01	Inferential Statistics	1	9
SECS-S/01 - Statistica	Advanced data analysis and visualization	1	9
L-LIN/12	English for Mathematics, Statistics and Computer Science	1	6
SECS-S/01	Statistical Learning	1	6
MAT/08	Numerical methods for data analysis	2	6
SECS-P/05	Econometrics	2	6
SECS-P/08	Business intelligence	2	6
M-PSI/03	Psychometrics	2	6
INF/01	Bioinformatics	2	6

*Optional:
Select 1 out of 2*

III Year (60 ETCS)

		Semester	ETCS
ING-INF/05	Databases and Information Systems	1	6
SECS-S/01	Data mining and big data	1	12
ING-INF/05	Computer Systems Modelling and Semantic Web	1	6
ING-INF/05	Object oriented programming	1	6
MAT/08	Advanced Scientific Computing: Numerical Methods		
MAT/09	Operational research	2	6
SECS-P/01	Behavioural Economics		
L-LIN/04	French	2	6
	Free	2	6
	Stage	2	8
	Thesis examination	2	4
			60

*Optional:
Select 1 out of 2*

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