

MANDATORY COURSES - CURRICULUM A						
Code	Course	SSD	CFU	Year	Sem	Lecturer
145677	Big Data Technologies	ING-INF/05	6	1	1	Y. Velegrakis
145686	Data Mining	ING-INF/05	6	1	1	Y. Velegrakis
145675	Foundations of Social and Psychological Science					
	Mod. ICT and Social Science theory and models	SPS/07	6	1	1	I. Bison
	Mod. ICT and cognitive psychology and models	M-PSI/06	6	1	1	F. Fraccaroli
145678	Professional English for Data Science	L-LIN/12	3	1	1+2	CIAL
145679	Statistical Learning					
	Mod. Statistical Methods	SECS-S/01	6	1	1	D. Giuliani
	Mod. Statistical Models	SECS-S/01	6	1	2	C. Agostinelli
145680	Data visualization Lab	INF/01	6	1	2	G. Jurman
145682	Information, Knowledge and Service Management	SECS-P/10	6	1	2	R. Cuel
145681	ICT and Law Privacy and Security	IUS/14	6	1	2	TBA
145684	Introduction to machine learning OR (*)	INF/01	6	1	2	M. Brunato
145687	Intelligent Optimization for Data Science	INF/01		1	2	R. Battiti

(*) Students should choose 145687- Intelligent Optimization for Data Science in case they already took a course on introduction to machine learning in their career.

MANDATORY COURSES - CURRICULUM B

Code	Course	SSD	CFU	Year	Sem	Lecturer
145677	Big Data Technologies	ING-INF/05	6	1	1	Y. Velegrakis
145686	Mathematics for Data Science	MAT/02	6	1	1	A. Caranti
145685	Scientific Programming					
	Mod. Programming	INF/01	6	1	1	A. Montresor
	Mod. Algorithms and Data Structures	INF/01	6	1	1	A. Montresor
145678	Professional English for Data Science	L-LIN/12	3	1	1+2	CIAL
145679	Statistical Learning					
	Mod. Statistical Methods	SECS-S/01	6	1	1	D. Giuliani
	Mod. Statistical Models	SECS-S/01	6	1	2	C. Agostinelli
145680	Data visualization Lab	INF/01	6	1	2	G. Jurman
145684	Introduction to machine learning	INF/01	6	1	2	M. Brunato
145680	Computational Social Science	SPS/07	6	1	2	G. Veltri
145681	ICT and Law Privacy and Security	IUS/14	6	1	2	TBA