

STUDENT PLAN – ENGLISH VERSION

NAME SURNAME:

STUDENT ID: :.....

PLACE OF BIRTH:

DATE OF BIRTH:

PERMANENT ADDRESS:

PHONE:

E-MAIL:

enrolled for the Academic Year 2018/19 to the First Year of the MsC Degree in Computer Science (Corso di Laurea Magistrale in Informatica)

Ask the approval of the Student Plan for the Curriculum (choose one)

☐ DATA SCIENCE

☐ RESILIENT AND SECURE CYBER PHYSICAL SYSTEM

CURRICULUM: DATA SCIENCE

MANDATORY COURSES				
Codice	Settore	Denominazione esame	cfu	anno
B027520	SECS-S/01	Advanced Statistical Models – Mod. A	6	I
B027500	INF/01	Data Mining and Organization	12	I
B027502	INF/01	Data security and privacy	9	I
B027507	ING-INF/05	Parallel Computing	6	I
B027492	INF/01	Advanced Algorithms and Graph mining	6	I
TO BE SELECTED BY STUDENT MAT/08 (6 CFUs)				
B027494	MAT/08	☐ Elements of Numerical Calculus	6	I
B027536	MAT/08	☐ Numerical Methods for Graphics	6	I
TO BE SELECTED BY STUDENT INF/01 (12 CFUs)				
B027508	INF/01	☐ Advanced Programming Techniques	6	I
B027514	INF/01	☐ Analysis of Algorithms and Data Structures	6	II
B014443	INF/01	☐ Data Warehousing	6	I
B027493	INF/01	☐ Distributed Programming for IoT	6	II
B027512	INF/01	☐ Information Retrieval and Semantic Web Technologies	6	I
B027513	INF/01	☐ Web Mining	6	II

B029071	INF/01	☐ Human Computer Interaction	6	I
MANDATORY COURSES				
B027537	NN	Attività di Approfondimento	3	II
B027523	SECS-S/01	Bayesian Statistical Inference	9	II
B027506	ING-INF/05	Machine Learning	9	II
B015893	PROFIN_S	Prova finale	3	II
B027490	PROFIN_S	Prova finale: Sviluppo lavoro di tesi	21	II
TO BE SELECTED BY STUDENT (6 CFUs)				
B027526	SECS-S/01	☐ Advanced Statistical Models – Mod. B	6	I
B027531	MAT/09	☐ Fundamentals of Operational Research	6	I
B027527	SECS-S/01	☐ Introduction to Statistical Modelling	6	I
B027495	SECS-S/01	☐ Multivariate Analysis and Statistical Learning	6	II
B027532	MAT/09	☐ Optimization Methods	6	I
B027533	MAT/09	☐ Optimization of Complex Systems	6	I
B027530	SECS-S/01	☐ Statistics for Spatial Data	6	II
TO BE SELECTED BY STUDENT (12 CFUs)				
				II
				II
				II
				II

CURRICULUM: RESILIENT AND SECURE CYBER PHYSICAL SYSTEMS

MANDATORY COURSES – 33 CFUs				
CODE	SSD	NAME	CFU	YEAR
B027540	INF/01	Advanced Techniques and Tools for Software Development	9	I
B027493	INF/01	Distributed Programming for IOT	6	I
B027549	INF/01	Distributed Real Time Cyber Physical Systems	9	I
B027555	INF/01	Quantitative Analysis of Systems	9	I
TO BE SELECTED BY STUDENT MAT/08 (6 CFUs) – select 6 CFUs				
B027494	MAT/08	☐ Elements of Numerical Calculus	6	I
B027564	MAT/08	☐ Advanced Numerical Analysis	6	I
B027565	MAT/08	☐ Approximation Methods	6	I
MANDATORY COURSES – 45 CFUs				
B027537	NN	Training	3	II
B027605	ING-INF/03	Secure Wireless and Mobile Networks	6	II
B027554	INF/01	Security Engineering	9	II

B015893	PROFIN_S	Final exam: Thesis defence	3	II
B027491	PROFIN_S	Final exam: Thesis development	24	II
TO BE SELECTED BY STUDENT MAT/08 (6 CFUs) – select 6 CFUs				
B027495	SECS-S/01	☐ Multivariate Analysis and Statistical Learning	6	I
B027563	SECS-S/01	☐ Statistics	6	I
TO BE SELECTED BY STUDENT INF/01 (18 CFUs) – select 18 CFUs				
B027492	INF/01	☐ Advanced Algorithms and Graph Mining	6	I
B027557	INF/01	☐ Advanced Topics in Programming Languages	6	I
B027560	ING-INF/05	☐ Architectures and Methods for Software Engineering	6	I
B027562	INF/01	☐ Computer Forensics	6	I
B027556	INF/01	☐ Quality and Certification	6	I
B027561	ING-INF/05	☐ Software Dependability	6	I
TO BE SELECTED BY STUDENT (12 CFUs) – select 12 CFUs from either the above courses, or any other course from the University of Florence, as long as these are compatible to the curriculum. These CFUs may also include teachings from Bachelor degrees.				
				II
				II
				II
				II
				II

TOTAL CFUs (should match 120)

DATE

SIGNATURE

DELIBERA DEL

 Il percorso di studio proposto è stato *approvato* integralmente

 Il percorso di studio proposto è stato *respinto*

 Il percorso di studio è stato *approvato con le seguenti modifiche*:

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.....
.....

Il Presidente del CCL

Il sottoscritto accetta/non accetta le modifiche proposte.

Data

Firma dello studente