

Allegato A / Annexe A

Double Degree Data Science and Business Informatics /

Informatique des Organisations

UNIPI-UPD programme				
Year	First Semester	CFU	Second Semester	CFU
First Year at UNIPI - students with CS Bachelor	<i>Business Economics</i> GR 2 Elective courses (in Italian)	9	<i>Business Economics</i> GR 2 Elective courses (in Italian)	9
	<i>Computer Science</i> Business Process Modeling	6	<i>Computer Science</i> GR1 Elective courses	6
	<i>Decision and Operational Research</i> Logistics	6	<i>Computer Science</i> GR1 Elective courses	6
	<i>Computer Science</i> Data Mining (Module I) Foundations	6	<i>Computer Science</i> Data Mining (Module II) Advanced Topics and Applications	6
	<i>Computer Science</i> Decision Support Data Bases	6		
		33		27
				60
Year	First Semester	CFU	Second Semester	CFU
First Year at UNIPI - Non CS Bachelor	<i>From G2 or G3</i> Programming for Data Science	12	<i>Elective Subjects</i> Algoritmica e Laboratorio (in Italian)	12
	<i>Computer Science</i> Business Process Modeling OR Decision Support Databases	6	<i>Elective Subjects</i> Basi di Dati (or exams from GR1 if Basi di Dati has already been passed) (in Italian)	6
	<i>Decision and Operational Research</i> Logistics	6	<i>Computer Science</i> GR1 Elective courses	6
	<i>Computer Science</i> Data Mining (Module I) Foundations	6	<i>Computer Science</i> Data Mining (Module II) Advanced Topics and	6
		30		30
				60
Second Year at UPD	<i>Decision, Business economics, Computer science</i> First semester elective course	13	<i>Business Economics:</i> Decision in business, use cases (3 ECTS), Low and ethics (3 ECTS)	6
	<i>Computer Science</i> Optimisation techniques for Data Science (3 ECTS), Data Mining/Machine learning (4 ECTS), Systems, Languages and Paradigms for Big Data (3 ECTS), Security of Information Systems (3 ECTS)	13	<i>Computer Science</i> Business Intelligence project (3 ECTS), Data Visualization (3 ECTS), Management of computer science project (3 ECTS)	9
	<i>Decision</i> Datawarehouse (4 ECTS)	4	<i>Decision, Business economics, Computer science</i> Second semester elective course	3
	<i>Foreign language</i> English		<i>Foreign language</i> English (3 ECTS)	3
			<i>Internship</i>	9
		30		30
				60

Summary ECTS

Computer Science	58
Business Economics	30
Decision and Operational research	20
Foreign language	3
Internship	9
Total	120