

**INDICATIVE STUDY PLAN - MASTER'S DEGREE IN COMPUTER SCIENCE – Service Design and Engineering Area**

*These examples are indicative only, because there are many possible options within the Master's degree. Please consult the "Manifesto" for a complete list of all courses.*

*In selecting a course, students must check in the "Manifesto" any possible other course recommended as a prerequisite, and include the prerequisite course in the study plan as a free-choice course.*

First Year						
First Semester	CFU	Professor		Second Semester	CFU	Professor
145451 - Computability and computational complexity	6	Kuper G.		145462 - Simulation and performance evaluation	6	Lo Cigno R.
145936 - Innovation and Entrepreneurship Basic	6	Stoycheva M.		145045 - Agent-Oriented Software Engineering	12	Giorgini P.
145300 – Concurrency	6	Quaglia P.		145622 - Cyber Security Risk Assessment		Massacci M.
145062 - Machine learning		Passerini A.		145056 - Formal methods		Sebastiani R.
145388 - Introduction to Service Design and Engineering	6	Marchese M.		Breadth Requirements	12	
Free-choice course/s **	6			Free-choice course/s **		
Second Year						
First Semester	CFU	Professor		Second Semester	CFU	Professor
145612 - Advanced remote sensing systems	6	Bruzzzone L.		Internship or Stage	6	
145614 - Multimedia Data Security		Boato G.		Prova Finale	24	
145068 - Organizational Information Systems	6	Giorgini P.				
145072 - Requirements Engineering		Perini A.				
145322 - Security Testing		Tonella P.				
Breadth Requirements	18					
Free-choice course/s **						

**\*\* At the discretion of the student**

For the BREADTH Requirement courses (chosen in another area) it is recommended to take:

- 145617- Distributed systems 1 (1<sup>st</sup> year, 2<sup>nd</sup> semester)
- 145449 - Big Data and Social Networks (2<sup>nd</sup> year, 1<sup>st</sup> semester)
- 145085 - Web Architectures (2<sup>nd</sup> year, 1<sup>st</sup> semester)