

# MANIFESTO DEGLI STUDI CDS MAGISTRALE

## INFORMATICA APPLICATA (MACHINE LEARNING E BIG DATA)

### Primo Anno

#### I SEMESTRE

Machine Learning (part I – Statistical Machine Learning and Neural Networks)**	6 CFU - INF/01
Machine Learning (part II - Deep Learning)**	6 CFU – INF/01
Physics & Quantum Computing	6 CFU - FIS/05
Scientific Computing (part I – Data science and simulation)*	6 CFU - MAT/08

#### II SEMESTRE

Computer Graphics: Animation and Simulation	6 CFU - INF/01
Data Science Technology	6 CFU – INF/01
Intelligent Signal Processing	6 CFU - INF/01
Scientific Computing (part II – Geometrical mappings and Transforms)*	6 CFU - MAT/08

### Secondo Anno

#### I SEMESTRE

High Performance Computing	6 CFU - MAT/08
Internet of Things and IoT Lab (part I – Sensor Networks) ***	6 CFU - INF/01
Multimodal Machine Learning	6 CFU - INF/01
Elective	6 CFU

#### II SEMESTRE

Cloud Computing	6 CFU - INF/01
Internet of Things and IoT Lab (part II – Architectures and Systems) ***	6 CFU - INF/01
Elective	6 CFU

\* , \*\* , \*\*\* joint exams.

Stage/Internship	6 CFU
Certificazioni linguistiche	3 CFU
PROVA FINALE	21 CFU

#### ELECTIVES

Cyber Security	(II Semester)	6 CFU - INF/01
Semantic Artificial Intelligence	(II Semester)	6 CFU - INF/01
Computer Vision	(I Semester)	6 CFU - INF/01
Information and Knowledge Management	(II Semester)	6 CFU - INF/01
Big Geo-Data Management	(I Semester)	6 CFU - GEO/04
IOS Programming (iOS Foundation Program Apple – UniParthenope)		6 CFU - INF/01