

INDICATIVE STUDY PLAN– *Signal Processing and Understanding (SPU) 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.

First Year						
First Semester	CFU	Professor		Second Semester	CFU	Professor
145624 –Digital signal processing	9	Demir B.		145461 – Recognition systems	9	Melgani F.
145630 Computer Vision and Multimedia Analysis	9	Conci N.		145619- Inverse problems and optimization	9	Rocca P.
145614 - Multimedia Data Security	6	Boato G.		Corsi a scelta**	12	
140273 - Radar and radiolocalization	6	Bruzzone L				
Second Year						
First Semester	CFU	Professor		Second Semester	CFU	Professor
145290 - Innovation and Entrepreneurship Basic	6	To be defined		Internship/Stage	6	
145612 Advanced remote sensing systems	6	Bruzzone L.		CLA	3	
145613 Imaging and diagnostic techniques	6	Rocca P.		Final Examination	21	
"Affine" course*	6					
Free-choice course/s**	6					

** For the "affine" course choose one among the following courses:*

Corsi Affini	CFU	Year	Sem.	Professor
145937 Introduction to Computer and Network Security	6	2	1	To be defined
145449 Big data and Social Networks	6	2	1	Velegakis Y.
145919 Knowledge and Data Integration	6	2	1	Giunchiglia F.

*** At the discretion of the student*

INDICATIVE STUDY PLAN - *Wireless and Networking (WN)* Area

First Year						
First Semester	CFU	Professor		Second Semester	CFU	Professor
145624 – Digital signal processing	9	Demir B.		145461 – Recognition systems	9	Melgani F.
145627 Mobile and satellite communications	9	Oliveri G.		145619- Inverse problems and optimization	9	Rocca P.
145614 - Multimedia Data Security	6	Boato G.		145637 Communications Systems	6	Sacchi C.
145626 Radar architectures and systems	6	Rocca P.		Free-choice course/s**	6	
Second Year						
First Semester	CFU	Professor		Second Semester	CFU	Professor
145936- Innovation and Entrepreneurship Basic	6	To be defined		Internship/Stage	6	
140153 Network modeling and design	6	Graneli F.		CLA	3	
“Affine” course*	6			Final Examination	21	
Free-choice course/s**	12					

* For the “Affine” course choose one among the following courses:

Corsi Affini ⁽¹⁾ + ⁽²⁾	CFU	Year	Sem.	Professor
145322 Security Testing	6	2	1	Tonella P.
145449 Big data and Social Networks	6	2	1	Velegakis Y.
145453 Data Mining	6	2	1	Velegakis Y.

** At the discretion of the student

INDICATIVE STUDY PLAN - *Information and Business Engineering (IBE) Area*

First Year						
First Semester	CFU	Professor		Second Semester	CFU	Professor
145624 –Digital signal processing	9	Demir B.		145461 – Recognition systems	9	Melgani F.
145936 - Innovation and Entrepreneurship Basic	6	To be defined		145619- Inverse problems and optimization	9	Rocca P.
145620 Business in ICT	9	To be defined		145621 Industrial Trends in Communications	6	Massa A.
145613 Imaging and Diagnostic Techniques	6	Rocca P.		Affine course* and/or free choice course/s **	6	
Second Year						
First Semester	CFU	Professor		Second Semester	CFU	Professor
145614 Multimedia data security	6	Boato G.		Internship/Stage	6	
140153 Network modeling and design	6	Granelli F.		CLA	3	
Affine course* and/or free choice course/s **	18			Final Examination	21	

** For the “Affine” course choose one among the following courses:*

Corsi Affini	CFU	Year	Sem.	Professor
145518 ICT Innovation – Product Design and Development	6	1	2	To be defined
145078 Science, Technology and Business	6	1	2	Battiti R.
145449 Big data and Social Networks	6	2	1	Velegakis Y.

*** At the discretion of the student*

INDICATIVE STUDY PLAN – ICT Innovation *Internet Technology and Architecture (ITA)* Area

First Year						
First Semester	CFU	Professor		Second Semester	CFU	Professor
145448 Advanced Network Modeling and Design	9	Granelli F.		145288 Business Development Lab	9	To be defined
145936 - Innovation and Entrepreneurship Basic	6	To be defined		145455 ICT Innovation	9	Massacci F.
145627 Mobile and satellite communications	9	Oliveri G.		140176 Wireless Networks	6	To be defined
145400 Design of Networks and Communication systems	6	Granelli F. / Sacchi C.		145637 Communications Systems	6	Sacchi C.
	30				30	
Second Year						
First Semester	CFU	Professor		Second Semester	CFU	Professor
145936 Innovation and Entrepreneurship Studies in ICT	6	To be defined		Internship/Stage	6	
145632 Project course on Software Defined Networking	3	Granelli F.		Further work-related knowledge	9	
145938 Radar and 5G Architectures and Systems	9	6 crediti in comune con Radar Architectures and Systems		Final Examination	15	
Free-choice course/s**	12					
	30				30	

INDICATIVE STUDY PLAN –ICT Innovation *Digital Media Technology (DMT)* Area

First Year						
First Semester	CFU	Professor		Second Semester	CFU	Professor
145448 Advanced Network Modeling and Design	9	Graneli F.		145288 Business Development Lab	9	To be defined
145290 - Innovation and Entrepreneurship Basic	6	To be defined		145455 ICT Innovation	9	Massacci F.
145624 – Digital Signal Processing	9	Demir B.		145461 – Recognition Systems	9	Melgani F.
145614 – Multimedia Data Security	6	Boato G.		“Affine” course*	3	
	30				30	
Second Year						
First Semester	CFU	Professor		Second Semester	CFU	Professor
145623 - Innovation and Entrepreneurship Studies in ICT	6	To be defined		Internship/Stage	6	
140266 – Computer vision (<i>Sharing part of 145630 - Computer Vision and Multimedia Analysis</i>)	6	Conci N.		Further work-related knowledge	9	
145634 - Project course on Media Retrieval	6	Conci N.		Final Examination	15	
Free-choice course/s**	12					
	30				30	

* For the “Affine” course choose among the following courses:

Corsi Affini	CFU	Year	Sem.	Professor
145939 Project course on Computer Graphics	3	1	2	Conci N.
145940 Project course on Service Design and Engineering	3	1	2	To be defined