

**THE UNIVERSITY OF PARMA**  
The world awaits

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**University of Parma**  
Via Università 12 - 43121 Parma  
**Tel.** +39.0521.902111  
[www.unipr.it](http://www.unipr.it)

**URP - University Information office**  
[urp@unipr.it](mailto:urp@unipr.it)  
**Numero Verde** 800.90.40.84



WHY STUDY WITH US?  
LET **THE NUMBERS** DO THE TALKING:

**800**   
professors and  
researchers

**31k**   
students from Italy and  
all over the world

**96**   
courses to  
choose from

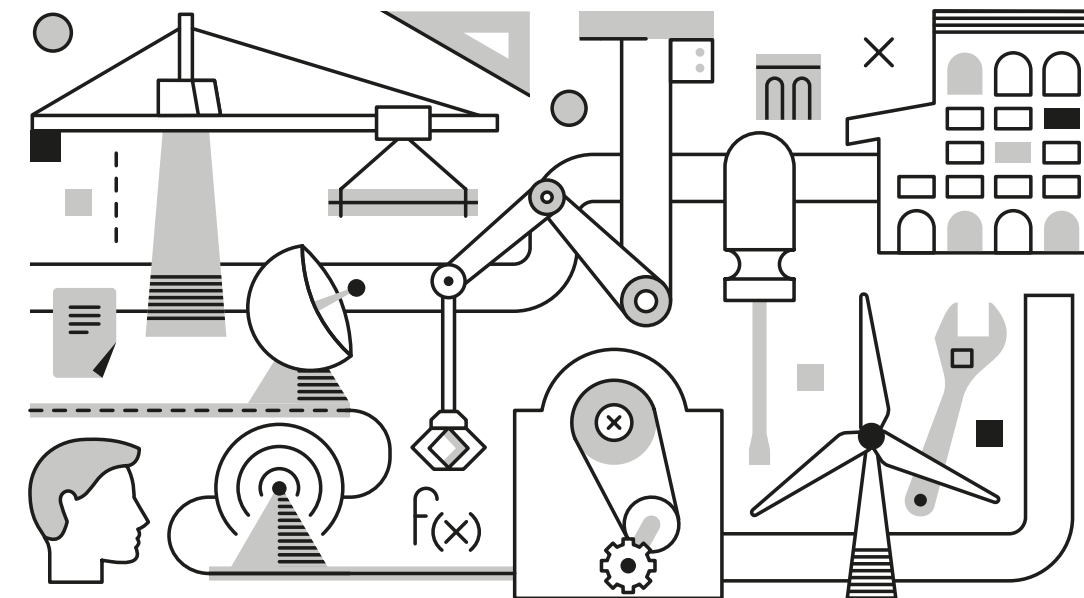
**100%**   
grants for  
those entitled

ACADEMIC YEAR 2021/2022

TWO-YEAR SECOND-CYCLE DEGREE



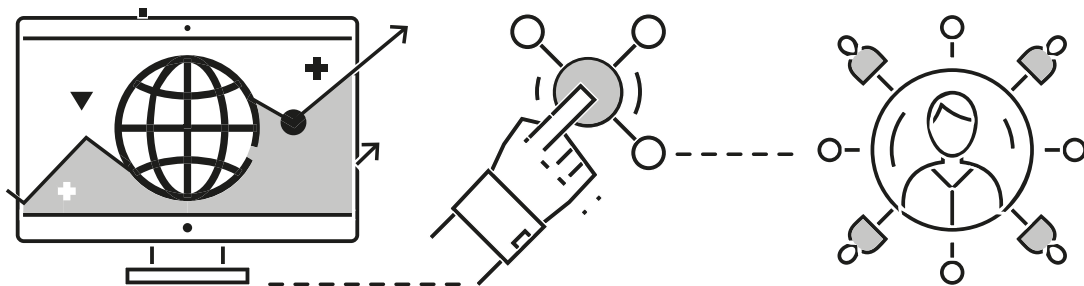
# COMMUNICATION ENGINEERING



Edizione giugno 2021

# COMMUNICATION ENGINEERING

Double degree with universities of Paris, Toulouse, Nice, Nantes and Grenoble



## WHY PARMA?

The course, offered exclusively through English, prepares highly qualified professional engineers with skills on the cutting edge of developments within Information and Communication technology (ICT) while, at the same time, possessing the specific communicative abilities needed within the world of global competition.

This course offers the opportunity for students to follow a study path leading to a high level of specialization, taught by professors who are widely-recognized within the international scientific commu-

nity. Students shall have the chance to spend time studying, or developing their thesis, in internationally acclaimed environments.

100% of graduates, within a year of finishing their course, have found work - In fact, demand for graduates with this qualification is superior to the number of students available. Thus, finding work will not be a problem for those who successfully complete this Master's Degree - some may even find employment before finishing their course.

## WHAT ARE YOU GOING TO LEARN?

PRIMO ANNO		CFU 60
- DETECTION AND ESTIMATION	9	NETWORK SECURITY 9
- INFORMATION THEORY	6	- NETWORK PERFORMANCE 6
- ANTENNAS FOR WIRELESS SYSTEMS	6	- ATTIVITÀ INTEGRATIVE A SCELTA 12
- COMMUNICATION FUNDAMENTALS/		- ATTIVITÀ A SCELTA 12

SECONDO ANNO		CFU 60
- PHOTONIC DEVICES	9	- OPTICAL COMMUNICATIONS 9
- DIGITAL COMMUNICATIONS	9	- THESIS AND FINAL EXAMINATION 24
- WIRELESS COMMUNICATIONS	9	

ATTIVITÀ INTEGRATIVE A SCELTA		CFU 12
- APPLIED ACOUSTICS	6	- ADVANCED PROGRAMMING OF MOBILE SYSTEMS 6
- MACHINE LEARNING FOR PATTERN RECOGNITION	6	- POWER CIRCUITS AND SYSTEMS 6
- FINANCIAL AND COST MANAGEMENT	9	- HIGH-PERFORMANCE COMPUTING 6
- PROJECT MANAGEMENT	6	- NONLINEAR SYSTEMS 6
- RICERCA OPERATIVA*	9	- IDENTIFICATION AND ADAPTIVE SYSTEMS 6
- ICT FOR HEALTH AND WELL-BEING	6	- OPTICAL NETWORKING 6
		- NETWORK INFORMATION THEORY 6

ATTIVITÀ A SCELTA		CFU 12
- ADVANCED PHOTONICS	6	- 5G WIRELESS NETWORKS 6
- INTERNET OF THINGS	6	

\* Corsi erogati in lingua italiana

## WHAT TO EXPECT AFTER THE COURSE.

There are many job opportunities for graduates, some of which will be among the most prestigious companies within the sector, some as freelance professionals and others within Public Administrations. This course offers the chance to be part of a key sector for the continuing development and growth of social wellbeing. Information and Communica-

tion Technology systems are everywhere and are constantly growing in importance in managing the growing complexities of modern life. You can be part of the technological revolution that's happening around us right now knowing that the developments that will solve today's and tomorrow's problems will be in the hands of professionals just like you.

## GENERAL INFORMATION

### ORIENTATION

**PROF. ALBERTO BONONI** [alberto.bononi@unipr.it](mailto:alberto.bononi@unipr.it)

### ADMISSION

**No admission test required**

### DEPARTMENT

**Engineering and Architecture** - [dia.unipr.it](http://dia.unipr.it)  
Parco Area delle Scienze, 181/A - Campus Universitario

### TYPE AND DURATION

**2-year Master's Degree**

### CLASS

**LM-27** Master's Degree in Telecommunications Engineering

### SITI DEL CORSO

**cdlm-ce.unipr.it** · **communication-eng.unipr.it** (English language site)