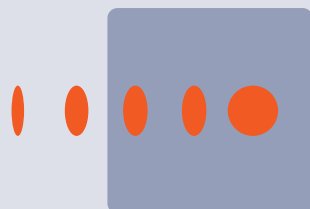




# THE NEXT GENERATION ENGINEERING SCHOOL

- Telecommunications
- Information systems
- Networks and software engineering
- Multimedia engineering



**TELECOM**Lille1  
SCHOOL OF ENGINEERING

[www.telecom-lille1.eu](http://www.telecom-lille1.eu)



TELECOM LILLE1

# ▶ THE NEXT GENERATION ENGINEERS

## OVERVIEW



Founded in 1990 by the University of Lille, France Telecom and the National Institute for Telecommunications (Institut TELECOM), TELECOM Lille1 has become one of the

best known public engineering schools in France. Our school owes this rapid success and recognition to a proprietary training model that has proved extremely efficient.

Backed by a leading university and several top-ranked engineering schools, TELECOM Lille1 training programs closely associate state-of-the-art coursework and laboratory practicals with extended periods devoted to technology project management carried out within professional placements.

Each of our students spends half of his time working in renowned firms, involved in real-life technology projects, with a very hands-on approach.

Over the years TELECOM Lille1's Master's degree has become particularly appreciated by both services and technology companies, thus offering our graduates wide career opportunities.

Open to all, TELECOM Lille1 offers each student the unique opportunity to turn his or her passion for high-tech into a promising career and become an engineer in just five years within the most thriving technology field today.

Bertrand Bonte, Director

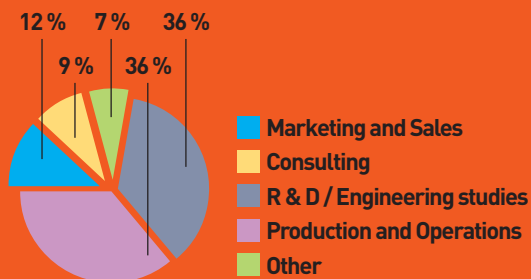
### At the heart of the IT revolution

TELECOM Lille1 engineering programs span the whole digital revolution area: data processing, networks, information systems, electronics, signal and telecommunications, media and image treatment. With the exponential development of these key

# GENERATION SCHOOL

## KEY FIGURES

- 2000 alumni
- 600 students
- 100000 square feet premises and laboratories
- 1000 corporate partners and associates



technologies, our engineers pursue their careers in a wide range of companies in all sectors of activity.

### **Top technology and engineering skills, reinforced with strong project management experience**

Our engineering training programs include a significant focus on management skills and competencies. This choice empowers our engineers with the business acumen necessary to efficiently manage teams and projects internationally and across cultures.

### **A top-ranked graduate school in France, within a leading European science and technology university**

TELECOM Lille1 regularly appears in the top ten engineering schools in France for graduate and post-

graduate degrees. This ranking takes into account the successful careers of alumni, close connections with industry, state-of-the-art scientific endeavors and international activity.

This recognition translates into more than 3000 job offers received each year.

### **Key connections with the industry**

From the outset, TELECOM Lille1 has been building strong and exclusive links with major players of the technology and services industries.

Research, innovation, recruitment, continuing education... Our involvement with the corporate world is multi-faceted, and a key asset, to fast-track our development and our alumni's careers.



TELECOM LILLE1

# ▶ INNOVATIVE HIGHER EDUCATION

COURSES, INTERNSHIPS AND PROGRAMS

TELECOM Lille1 graduates are awarded a national diploma, recognized by the CTI French Engineering Commission.

### **A tested approach towards engineering training**

TELECOM Lille1 has pioneered a training method now mirrored in programs set up by numerous major universities and schools.

Our programs devote up to 40% of the students' learning time to on-site work placements in major companies, a genuine "hands-on" approach towards engineering tasks within the framework of real and complex technology projects.

This approach gives our graduates significant prior work experience and rapidly develops their interpersonal, intercultural and management skills which are key assets to starting their careers !

### **State-of-the-art learning technologies**

Since its start, TELECOM Lille1 has been developing state-of-the-art e-learning technologies. These tools continuously enrich the possibilities offered to our students to learn more efficiently and to combine professional activity and training.

### **Genuine international and intercultural programs**

TELECOM Lille1 is leading the field nationally in terms of intercultural curriculum for engineering schools. All students must complete a significant period of study abroad prior to graduation and demonstrate robust language skills.

Setting our standards high, our graduates are well prepared to take on the complex tasks of managing international teams and running technical projects in global telecommunications international assignments, with efficiency and a full respect for cultural diversity.

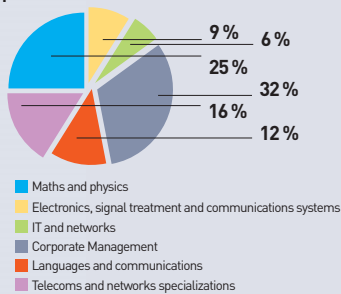
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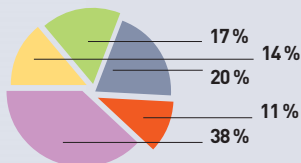
## Programs

TELECOM Lille1 offers a 5-year course, leading to an engineering master's degree. The courses all benefit from the European Credit Transfer System, enabling wide international recognition.

BASE CYCLE



ENGINEERING CYCLE  
(internships and capstone project included)



BASIC TRAINING CYCLE		ENGINEERING TRAINING CYCLE		
YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5
Fundamental science	Internship / Management Fundamental science and technologies	Telecoms Engineering Sciences	Internship / IT networks, IT management	Telecoms complex systems, digital television, multimedia, advanced IT systems Technology and Science project
Internship / Corporate culture	Fundamental science and technologies	Internship / Marketing and sales	Networks, security, mobile communications, software engineering	Capstone project
Fundamental science	Internship / Networks and telecommunications	Telecoms Engineering Sciences	Project management, corporate strategy, innovation management	

### Management Specializations

- Information Technology Marketing
- International Project Management
- Information Systems Design and Management
- High Technology Team Management
- Entrepreneurship and consulting

### Engineering specializations

- Optical and Microwave Systems Engineering
- Mobile Communications
- Picture, Signal, Digital television
- Networks
- Networks and Software Engineering
- Network security
- Multimedia Software and Engineering



TELECOM LILLE1

# ▶ GLOBAL REACH

## RESEARCH

### **Far-reaching research excellence**

TELECOM Lille1 develops both pure and applied scientific programs in close partnership with key technology companies and prominent research laboratories from the Lille1 University, the CNRS (National Center for Scientific Research) and the Institut TELECOM (National Consortium of Telecom Engineering Schools).

These programs focus on information and communication technology. Five major scientific areas have been selected in partnership with our corporate partners :

- Mining Complex and Multimedia – Multimedia, Image and Recognition
- Signal processing and digital communication
- Distributed system and communication network
- Nanotechnology and opto-electronics
- Labour socio-economics

### **Strong relationships with global players**

TELECOM Lille1 benefits from a close and long-lasting partnership with key players of the industry. Our corporate partners include : Renault, Orange, Thalès, Mercury computer systems, France Telecom, Bouygues Telecom, Siemens, Alcatel, ...



### Campus facilities

TELECOM Lille1 is located on the campus of the University of Lille, with access to all campus facilities : libraries, restaurants, dormitories, sport centers, etc.

The center of Lille is 15 minutes from campus by subway or bus, providing easy access to a vivid European metropolis with flourishing leisure and entertainment facilities.

Lille's TGV hub connects the city to major European capitals :

- Brussels and Paris in under an hour
- London in 90 minutes

For more information on Lille, please visit : <http://www.lilletourism.com>



## INTERNATIONAL STATURE

### At the forefront of the European IT industry and science

With more than 30 000 employees in 3700 companies, Lille is at the heart of the e-commerce and mail-order industry. This position is driving strong economic development for next generation information technology, with more than 300 new ventures a year! Lille also welcomes more than 300 IT researchers in more than 20 laboratories, including the prestigious INRIA (National Institute for Research in Computer Science and Control).

### Widening international influence

TELECOM Lille1 constantly strengthens its international influence, with a growing number of agreements involving student exchanges, tailor-made training programs, e-learning development, summer schools, etc. Our current major partners include the Telekom University

of Leipzig, Dublin Institute of Technology, Polytechnical University of Valencia, ETS Montreal, the Telecom University of Sofia, and many others across the globe.

### Lille, at the heart of Europe



- Telecommunications
- Information systems
- Networks and software engineering
- Multimedia engineering

### A next generation engineering school

Created in 1990, TELECOM Lille1 is a top-ranked French engineering school in the field of information and communication technology.

Founded by a major university, backed by the leaders of the European IT industry, TELECOM Lille1 offers complete undergraduate and graduate engineering programs that open vast career opportunities in various thriving economic sectors.

TELECOM Lille1 has developed an innovative proprietary training scheme, enabling students to combine state-of-the-art courses and strong professional experience in technology project management.

An integral part of the University of Lille, TELECOM Lille1 is located on the campus and plays an active role in major European IT projects featuring leaders in the e-commerce and mail order markets.

#### Head of International Relations

Dean Hipple

Tel : +33 320 335 541

Mail : dean.hipple@telecom-lille1.eu

#### Dean of Research

Yves Daignon

Tel +33 320 335 570

Mail : yves.daignon@telecom-lille1.eu

#### International Programmes Coordinator

Amaria Khiter

Tel +33 320 335 561

Mail : amaria.khiter@telecom-lille1.eu

#### Corporate liaison Officer

Martine Ducornet

Tel + 33 320 335 587

Mail : martine.ducornet@telecom-lille1.eu

#### TELECOM Lille1

Cité scientifique - Rue Guglielmo Marconi  
BP 20145 - 59653 Villeneuve d'Ascq Cedex - France

Tel. standard : +33 (0)3 20 33 55 77

E-mail : contact@telecom-lille1.eu

[www.telecom-lille1.eu](http://www.telecom-lille1.eu)



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SCHOOL OF ENGINEERING



CONFÉRENCE DES GRANDES ÉCOLES

