

Paris, 19 March 2020

Press release

## Take advantage of the lockdown to learn for free!

**Institut Mines-Télécom (Ministry for the Economy and Finance) has made some thirty online learning modules (MOOCs\*) offered by IMT schools available in response to the emergency situation.**

In the coming days, over thirty online learning modules (MOOCs\*) developed by Institut Mines-Télécom – the number one group of engineering and management graduate schools in France – and Mines ParisTech, will be available for free on the public platform FUN – France Université Numérique (in addition to the Coursera and edX platforms). Half of these modules have been re-opened or extended on an exceptional basis in response to the emergency situation, and are open to an unlimited number of learners.

Of particular interest is a set of courses on how companies are changing in response to digital technology:

- **A brand new "Digital Transformation and Business" program available online** designed for middle managers from companies of all kinds. This program, which was originally intended to require a paid subscription, will be offered for free in response to the current health crisis (starting next week on [fun-mooc.fr](https://fun-mooc.fr))
- **A comprehensive "Digital Manufacturing" program that gives learners the opportunity to learn about and get hands-on experience in programming connected objects, modeling and digital printing.** (Available on [fun-mooc.fr](https://fun-mooc.fr))
- **An "Innovating in a Digital World" MOOC.** Available in French on [fun-mooc.fr](https://fun-mooc.fr) and in English on [coursera.org](https://coursera.org)
- **A comprehensive "C Language" program** based on interactive learning tools to develop proficiency in one of the main computer programming languages used around the world. Two courses are available in French on [fun-mooc.fr](https://fun-mooc.fr), as well as an English-language program comprising 7 MOOCs that culminates in a Professional Certificate© (through a paid subscription), recognized by leading industrial groups such as Airbus, Nokia and Thalès. Available on [edx.org](https://edx.org).

**Agnès Pannier-Runacher**, Secretary of State to the French Minister for the Economy and Finance, has praised the faculty of Institut-Mines-Télécom schools for their hard work and dedication, as they continue to provide distance learning for the schools' students while providing training opportunities for companies and employees during this health crisis.

\* MOOC: online learning module consisting of videos, exercises, assessments, educational discussions etc.

## List of Institut Mines-Télécom

### MOOCs



### On FUN MOOC: "Digital Manufacturing" program

#### Digital Manufacturing program

	Initial Status	New Offerings
Introduction to Digital Manufacturing <i>IMT Atlantique</i>	In progress Ends 7 April	Extended without instructor
Programming an Object with Arduino <i>IMT Atlantique</i>	Upcoming	Starts 14 April
Building a Connected Object <i>IMT Atlantique</i>	Archived	Archive mode open**
3D Printing <i>IMT Atlantique</i>	Archived	Archive mode open**

#### Networks

Discovering Telecommunications <i>Télécom SudParis</i>	Archived	Archive mode open**
FTTH Optical Access Networks <i>Télécom SudParis</i>	In progress Ends 9 April	Extended without instructor
Principles of Data Networks <i>IMT Atlantique</i>	In progress Ends 17 April	Extended without instructor
Routing and Internet Quality of Service <i>IMT Atlantique</i>	Upcoming	Initially 6 May - now planned to open earlier.
Understanding 4G <i>IMT Atlantique</i>	In progress	Available
Exploring 5G <i>IMT Atlantique</i>	Upcoming	Starts 28 April

#### Computer Science and Data

The ABC's of C Language <i>Télécom Paris</i>	Archived	Archive mode open**
C Language Programming <i>Télécom Paris</i>	Archived	Archive mode open**
The Basics of Big Data <i>Télécom Paris</i>	In progress	Available

## Business

	Initial Status	New Offerings
Innovating in a Digital World <i>Télécom Paris</i>	Archived	Archive mode open**
Understanding the Collaborative Economy <i>IMT Atlantique</i>	Archived	Archive mode open**
Digital Transformation for Companies and Industry of the Future <i>IMT</i>	Private mode on edX	<u>Opened exceptionally on fun-mooc.fr</u>

## Resources- Energy

Introduction to Mineral Resources: What's at Stake for our Planet <i>IMT Mines Alès</i>	Archived	Archive mode open**
Common Rocks and Minerals: Origin, Identification and Uses <i>Mines ParisTech</i>	In progress	Available
Energy Transitions: Mechanisms and Catalysts <i>IMT Atlantique</i>	Archived	Archive mode open**
Thermodynamic Heat Conversion: Modeling and Simulating <i>Mines ParisTech</i>	Archived	New session coming soon
Thermodynamic Heat Conversion: Traditional and Innovative Cycles <i>Mines ParisTech</i>	Archived	New session coming soon

## Other topics

Unlock your English <i>IMT Mines Alès</i>	Upcoming	23 March
Gender Diversity in IT Professions <i>IMT BS</i>	Upcoming	Initially 18 May – now planned to open earlier
Statistics for Engineers <i>IMT Lille Douai</i>	Archived	Archive mode open** – New session 4 May

	Initial Status	New Offerings
Introduction to Fluid Mechanics <i>IMT Lille Douai</i>	Archived	Archive mode open**
Linear Algebra - 1st Year of Higher Education <i>IMT Mines Alès</i>	In progress Ends 19 July	Available

**On Coursera:** <https://fr.coursera.org/imt>

	Initial Status	New Offerings
Innovating in a Digital World <i>Télécom Paris</i>	Archived	To open soon
Introduction to Satellite Communications <i>IMT Atlantique</i>	In progress	Available

**On edX:** <https://www.edx.org/school/imtx>

	Initial Status	New Offerings
Advanced Algorithmics and Graph Theory with Python <i>IMT Atlantique</i>	Open on a permanent basis	Available
4G Network Essentials <i>IMT Atlantique</i>	Open on a permanent basis	Available
<b>C Language Programming program</b>		
C Programming Getting started (1) <i>Télécom Paris</i>	Open on a permanent basis	Available
C Programming Language Foundations (2) <i>Télécom Paris</i>	Open on a permanent basis	Available
C Programming Modular Programming and Memory Management (3) <i>Télécom Paris</i>	Open on a permanent basis	Available
C Programming Pointers and Memory Management (4) <i>Télécom Paris</i>	Open on a permanent basis	Available
C Programming Advanced Data types (5) <i>Télécom Paris</i>	Open on a permanent basis	Available

	<b>Initial Status</b>	<b>New Offerings</b>
C Programming The command Line Interface (6) <i>Télécom Paris</i>	Open on a permanent basis	Available
C Programming Using Linux Tools and Libraries (7) <i>Télécom Paris</i>	Open on a permanent basis	Available

**\*\*** no instructor or certification of completion

#### **About IMT** [www.imt.fr](http://www.imt.fr)

Institut Mines-Télécom is a French public higher education institution under the aegis of the Ministry for the Economy, Industry and Digital Sector. It includes 8 engineering schools, 2 subsidiary schools and a network of strategic affiliated partners. Its activities in the fields of engineering and digital technology contribute to training engineers and managers, developing research partnerships, promoting innovation and supporting economic development. Always attentive to the economic world, IMT combines strong academic and scientific legitimacy, close corporate relations and strategic positioning in the key transformations of the 21st century: digital technology, industry, energy and ecology, and education. IMT is a founding member of the Alliance for the Industry of the Future and co-founder of the Franco-German Academy for the Industry of the Future with Technische Universität München (TUM). It is recognized by 2 Carnot Institute certifications for the quality of its partner-based research. Each year, IMT trains over 1,200 students, concludes nearly 70 million research contracts, and hosts some 100 start-ups in its incubators.

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