COMPETING ON A GLOBAL SCALE

**4th GLOBAL**
- Best alma-maters for the provision of Fortune 500 CEOs
  
  *Times Higher Education 2017*

**4th GLOBAL**
- 100 human sized universities in the world
  
  *Times Higher Education 2017*

**6th GLOBAL**
- Nobel Prices per Alumni
  
  *Nature 2016*

**18th MATHEMATICS**
- Best universities per discipline
  
  *QS World University Rankings 2016*

**6th GLOBAL**
- Graduate Employability
  
  *QS 2017*

**16th GLOBAL**
- 150 most international universities in the world
  
  *Times Higher Education 2017*

**36th GLOBAL**
- 1000 best universities in the world
  
  *Center for World University Rankings 2016*

**22th PHYSICS**
- Best universities per discipline
  
  *Times Higher Education 2016*
**A LONG TRADITION OF EXCELLENCE IN TRAINING INDUSTRIAL AND PUBLIC LEADERS**

**Prestigious scientists associated to the history of Ecole Polytechnique**

<table>
<thead>
<tr>
<th>Name</th>
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<td>AMPÈRE</td>
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<td>ARAGO</td>
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<td>SCHWARTZ</td>
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<td>TIROLE</td>
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**Leaders in the public sector who graduated from Ecole Polytechnique**

**Presidents**
- Carnot X1857
- Lebrun X1890
- Giscard d’Estaing X1944

**Ministers**
- Francis Mer X1959
- Kosciusko Morizet X1992

**Deputy of the National Assembly**
- Denfert-Rochereau X1842

**Marechal de France**
- Joffre X1869
- Foch X1916

**Corporate executives who graduated from Ecole Polytechnique**

**Thales**

**BNP Paribas**

**Alstom**

**Capgemini**

**PSA Peugeot Citroën**

**GDF Suez**

**Safran**

**Eiffage**

**Airbus**

**LVMH**

**Vivendi**

**Vinci**

**Veolia**

**Air France KLM**
THREE STRATEGIC PILLARS

Research
Education
Entrepreneurship
EDUCATION FOR TALENTED STUDENTS
3000 students
2000 élèves ingénieurs,
450 master’s students
& 550 PhD candidates

30% international students
65 nationalities
ACADEMIC PROGRAMS AT ECOLE POLYTECHNIQUE

Highschool

- Bachelor Université étrangère ou Licence française
  - 3 or 4 years

- Bachelor École Polytechnique
  - 3y

- Préparatory Classes (Bachelor level)
  - 2y

- Master
  - 2y

- PhD
  - 3y

- Engineering Diploma of École Polytechnique
  - 3y

- PhD Track program
  - 5y

- Double Degree TUM – l'X
  - "Cycle polytechnicien"
    (Mathematics, Physics, Computer Science, Mechanical Engineering, Electrical Engineering)
  - 5y

Job

- PhD Track program
  - 5y

- Diploma of École Polytechnique
  - 1y
MASTER DOUBLE DEGREE CURRICULUM – COMPUTER SCIENCE

Option A

TUM
Master in Informatics
60 ECTS

I’X
Master in Informatics
COMASIC specialization
60 ECTS

I’X
Additional courses
30 ECTS

Option B

TUM
Master in Informatics
60 ECTS

I’X
Master in Informatics
COMASIC specialization
60 ECTS

Additional courses
(exemples)
30 ECTS

French Classes, l’X MOOC
~10-15 ECTS

French Classes, INFO optional modules, others
~15-20 ECTS
ADVANCING SCIENCE

×

8 RESEARCH TRANSVERSE TOPICS
<table>
<thead>
<tr>
<th><strong>22</strong> research departments</th>
<th><strong>1600</strong> academic staff</th>
<th><strong>Annual budget</strong> 110 M€</th>
<th><strong>550</strong> PhD candidates</th>
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<td><strong>1350</strong> publications per year</td>
<td><strong>1</strong>st French in Leiden’s ranking (publications’ impact)</td>
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8 RESEARCH TRANSVERSE TOPICS

- Universal laws and structures
- Energy, Transportation and Environment
- Markets, Innovation and Science-Society Relations
- Nanoscience, Innovative materials and efficient processes
- Modeling and Optimization of Complex Systems
- Bioengineering, Biology and health sciences
- Concepts and Methods for a digital Society
- Matter and Light in extreme Conditions

22 units
INNOVATION AND ENTREPRENEURSHIP
Construction of a “place of entrepreneurship” at the very heart of the Campus:

Experimental area
- Fab lab, e-lab, technological and scientific Students Associations
- Interactions with Laboratories

Academic area
- 3 entrepreneurship Master’s Programs

Incubator / Accelerator area
- in interaction with partner Incubators

Co-working area
- with Business Angels and Investors
- Student initiatives)

Mentoring, coaching and funding schemes to support the accelerator
AN OUTSTANDING CAMPUS
164 hectares
15 amphitheatres
50 classrooms

1500 individual accommodations

A lot of student associations
8,000 m²
INDOOR SPORT FACILITIES

8 hectares
OUTDOOR SPORT FACILITIES

2 swimming pools
1 fencing room
1 dojo
2 climbing wall
1 dancing room
1 work out room
4 gymnasiums
1 tennis hall
6 football fields

6 tennis fields
3 rugby fields
2 handball fields
1 basket field
1 riding stable
2 athletics tracks
1 beach-volley field
1 lake