

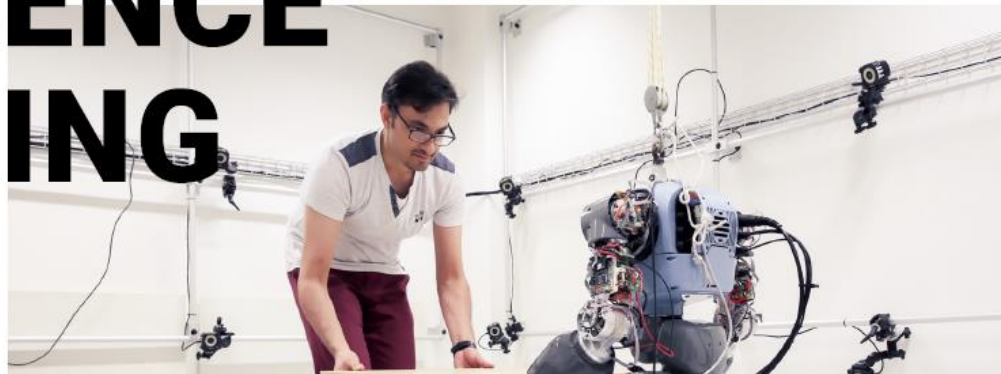
**EPFL**

**E<sup>3</sup> PROGRAM**

**EPFL EXCELLENCE  
IN ENGINEERING**

[eee.epfl.ch](http://eee.epfl.ch)

INTERNATIONAL SUMMER  
INTERNSHIP PROGRAM



# E<sup>3</sup> in a Nutshell

Come to Switzerland and dive into cutting-edge research projects with a 2–3 month funded internship at one of the most prestigious universities in the world

## Format:

Summer program over 2-3 months (extension to full semester possible)

Flexible starting and ending dates between May and September

Full fellowship for accepted students (travel refund on demand)

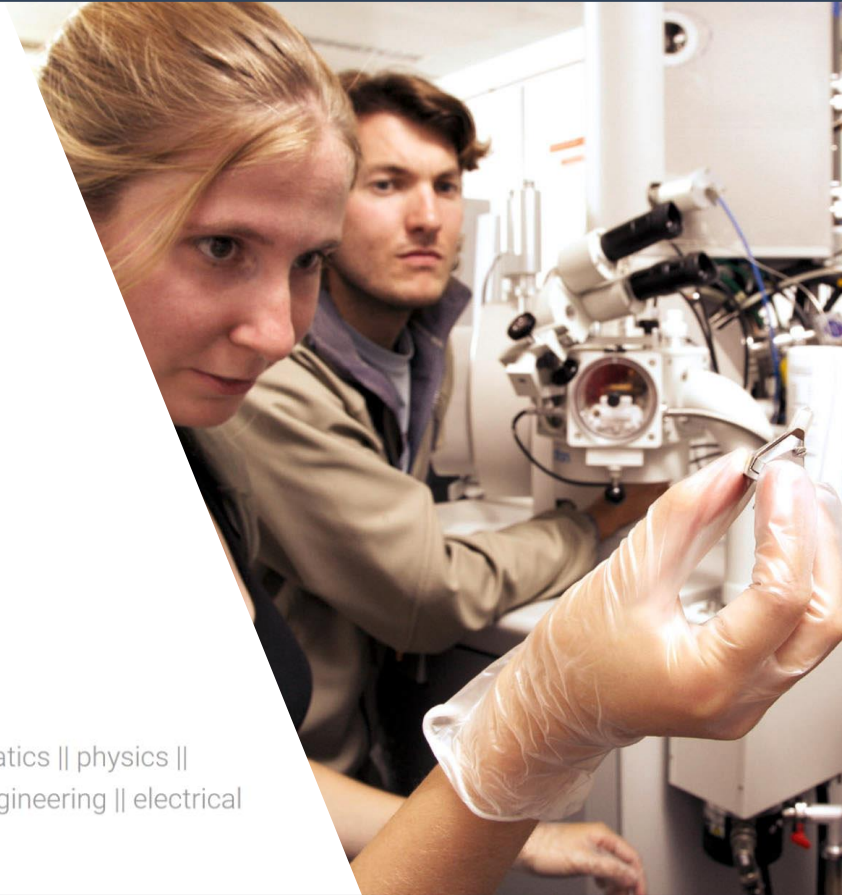


# E<sup>3</sup> in a Nutshell

- ✓ Gain hands-on experience and prepare for future independent research
- ✓ Contribute to projects at the forefront of engineering, science and technology
- ✓ Improve critical thinking skills by evaluating scientific information, designing experiments and testing hypotheses
- ✓ Join a vibrant campus and experience collaborative research

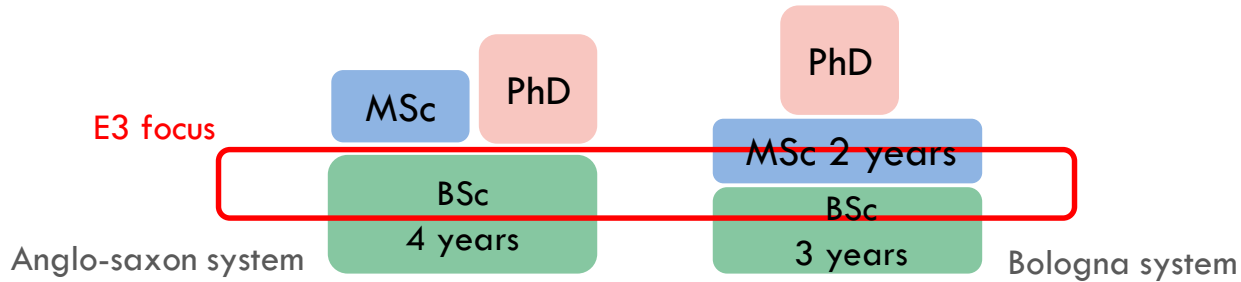
## Your background

biology || neurotechnology || bioengineering || chemistry || mathematics || physics ||  
microengineering || mechanical engineering || materials science and engineering || electrical  
engineering || computer science



# Eligibility

3rd year bachelor up to 2<sup>nd</sup> year Master





# Your application documents

- CV
- Statement of purpose
- GPA grades

- 3 lab choices
- 3 research interests

**Application deadline: February 1, 2020**





# Indicate your research interests

- |    |                                    |
|----|------------------------------------|
| 1  | Acoustics                          |
| 2  | Additive manufacturing             |
| 3  | Advanced manufacturing             |
| 4  | Analog circuits design             |
| 5  | Autonomous systems                 |
| 6  | Biomaterials                       |
| 7  | Bioelectronics                     |
| 8  | Biomechanics                       |
| 9  | Composite materials                |
| 10 | Computational engineering          |
| 11 | Controls                           |
| 12 | Data science                       |
| 13 | Electromagnetics                   |
| 14 | Energy                             |
| 15 | Fluid mechanics                    |
| 16 | Heat and mass transfer             |
| 17 | HF and VHF circuits                |
| 18 | Image processing                   |
| 19 | Inorganic materials                |
| 20 | Internet Of Things                 |
| 21 | Laser technology                   |
| 22 | Machine learning                   |
| 23 | Magnetic materials                 |
| 24 | Mechanical design                  |
| 25 | Mechatronics                       |
| 26 | Metallurgy                         |
| 27 | Microfluidics                      |
| 28 | Micro-Nanosystems                  |
| 29 | Microwaves                         |
| 30 | Multiphysics simulations           |
| 31 | Multi-scale dynamics               |
| 32 | Nanoelectronics                    |
| 33 | Nanotechnology                     |
| 34 | Optics                             |
| 35 | Optimization                       |
| 36 | Organic materials                  |
| 37 | Photonics                          |
| 38 | Photovoltaics                      |
| 39 | Polymers and Soft Materials        |
| 40 | Powder Technology                  |
| 41 | Product design                     |
| 42 | Quantum computing                  |
| 43 | Robotics                           |
| 44 | Semiconductor materials            |
| 45 | Sensors                            |
| 46 | Signal processing                  |
| 47 | Simulation and computation         |
| 48 | Smart grids                        |
| 49 | Soft materials                     |
| 50 | Solid mechanics                    |
| 51 | Surface and interface science      |
| 52 | Sustainable product design         |
| 53 | Theory and simulation of materials |
| 54 | Thermodynamics                     |
| 55 | Transport and mobility             |
| 56 | VLSI design                        |



# About the School of Engineering



2000 students  
700 PhD students  
1400 employees  
92 nationalities

## The EPFL School of Engineering

More than 100 laboratories  
in five institutes:

- **Electrical engineering**
- **Materials**
- **Mechanical engineering**
- **Microengineering**
- **Bioengineering**

## With a wide range of expertise:

microsystems, electronics, robotics,  
energy, advanced materials,  
immunoengineering, neurosciences,  
advanced manufacturing,  
computer science



## Research output and rankings

Showing a consistent positive  
trend in all recognized rankings  
(THE, Leiden, ARWU, QS), the en-  
gineering fields of EPFL are now  
placed among the top 3 in Europe  
and top 20 worldwide.



# About EPFL

## Ecole polytechnique fédérale de Lausanne

EPFL is one of the two prestigious  
Swiss federal institutes  
of technology, located in Lausanne,  
on the shore of Lake Geneva

### Excellence in Science and Research

With over 350 research groups on campus, EPFL is one of Europe's most innovative and productive academic institutions. It has been ranked the #1 young university in the world (Times Higher Education). EPFL promotes fundamental research and applied engineering, fostering entrepreneurship and partnerships with industrial partners.

### World-Class Education

The 13 Bachelor and 24 Master programs offered by EPFL are highly renowned by worldwide academic institutions and industrial employers.

### Cosmopolitan

EPFL is Europe's most cosmopolitan technical university with a growing number of students and researchers from over 120 nations.

# About EPFL: Campus on Lake shore





# About EPFL: Rolex Learning Center







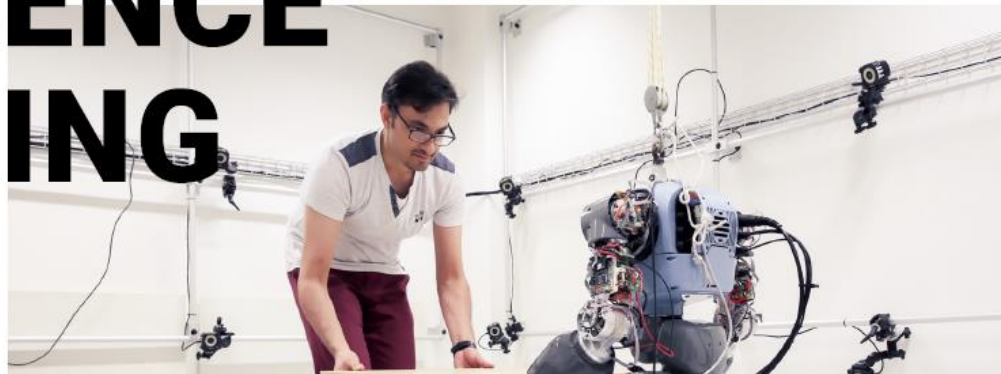
**EPFL**

**E<sup>3</sup> PROGRAM**

**EPFL EXCELLENCE  
IN ENGINEERING**

[eee.epfl.ch](http://eee.epfl.ch)

INTERNATIONAL SUMMER  
INTERNSHIP PROGRAM



Registration deadline  
February 1