



# National Graduate School of Cognitive Engineering

ENSC trains engineers with dual expertise in Information and Communication Technology (ICT) and Humanities and Social Science (HSS). Fields of application include industry, energy, aerospace, defence; large, complex or risk systems and the production of technological goods.



## COURSES

**Fundamental sciences** Applied mathematics / Human neuro-biology and physiology / Computer science / Signals and systems / Signal processing / Software engineering / Automatic learning and monitoring/ Human biology / Databases design

### **Cognitive engineering**

Knowledge and representation / Artificial Intelligence / Robotics and Cobotics / Human factors and ergonomics / Cognition basics / Knowledge and skills management / Crisis management / Human enhancement systems / Human-system interfaces/ UX User eXperience / Collective intelligence / KX Knowledge eXchange / Modelling and complex systems / Human-autonomy teaming / Augmented reality / Activity analysis / ICT and support in social changes.

### **Management skills**

Communication tools / Languages / Project management / Business knowledge / Business support / Management/ Commitment-Behaviour-Culture / Transdisciplinary project / Interclass project.

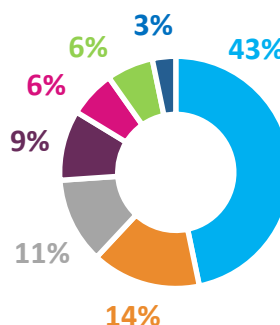
### - 3<sup>rd</sup> YEAR PROGRAMMES

- ROBOTICS and LEARNING (in partnership with ENSEIRB-MATMECA)
- COGNITICS Programme

**Courses and specialisation:** Design (Ecole de Condé), Optical systems and cognition (IOGS), Operator evaluation (STAPS), ICT for healthcare (in partnership with ENSEIRB- MATMECA), Artificial Intelligence (ENSC).

## EMPLOYMENT PROSPECTS

1<sup>st</sup> JOB:



**€34,000**  
average  
gross  
annual  
starting salary  
(class of 2017)

**1 graduate  
in 2**  
employed on  
leaving school

- Computer science
- Consulting
- Telecommunications
- Health
- Aeronautics
- Research and development
- Other