



Graduate School of Cognitics (applied cognitive science and technology)

The Graduate School of Cognitive Engineering is a Bordeaux INP engineering school and is a member of the INP Group and the Conférence des Grandes Ecoles. Its unique programme in France provides engineers with dual expertise in Information and Communication Sciences and Technology and Humanities and Biological Sciences.



A Word from the Director

Human Autonomy Teaming (HAT) has now demonstrated its superiority over artificial systems alone, some of which have already demonstrated their superiority over man for a long time: concrete applications of artificial intelligence and big data, industrial automation, robotics, rapid detection in critical situations, the use of smart grids are just some examples. However, better than the most efficient autonomous systems or the best human expert, man-machine teaming is the most effective solution for balanced decision-making, crisis management, monitoring operations and solving complex problems. Cognitics aims to understand and improve the flow of human-machine symbiosis, in terms of performance, substitution, safety, ease and comfort, and augment man through these technologies: situational awareness, ability to understand and manage complex constraints, whether environmental, industrial, individual and communities.



1 engineering programme

COGNITICS :
applied cognitive
sciences and cognitive
technology

1 three-year engineering degree (Master Degree)

2 university diplomas

- Cognitics and Human Factor Engineering
- Big Data and Statistics for Engineers

ENSC is a graduate school that trains generalist engineers who are able to work on the various aspects of Human-Autonomy teaming. ENSC engineers are experts who prioritise skills and ability, an interdisciplinary approach, open-mindedness and human values.

ENSC is the only graduate school delivering an engineering master degree in applied cognitive science and technology. Its areas of focus apply to industry, defence, transport, disability, augmented intelligence with AI, progress of "the smart life" and workplace safety for everyone, mobility, healthcare, human enhancement, everyday life...

BORDEAUX INP

9 graduate schools* in France



3400* students

(selected through national competitive exam)



12% international students



20* programs

including 5 by apprenticeship



240 faculty members



11 joint research centers



140 partnerships worldwide



Research and transfer

SOME MAJOR AREAS OF RESEARCH

Cognitive engineering, artificial intelligence, cognitive psychology, biomonitoring, stochastic and statistical modelling, aerospace science, robotics and cobotics, ...

10 ASSOCIATED AND FULL PROFESSORS

10 PhDs, POST-DOCS

1 JOINT LAB WITH THALES (HEAL)

1 INDUSTRIAL CHAIR (NEW AQUITAINE REGION)

Technological Systems for Human Enhancement

1 COGNITION INST. (CARNOT "TREMPLIN")



Industrial partnerships

ENSC offers engineering programme with a professional focus and close ties to the socioeconomic world.

80 LECTURERS FROM THE INDUSTRIAL WORLD

10 HOSTED COMPANIES

30 COMPANIES INVOLVED in the school's boards and committees and in determining the school's strategy.



Employment Prospects

75 graduates per year

77% of students find a job before leaving school

Gross annual salary **€34,000**



Associations

Students' association
Sports' association
Arts' association
Junior enterprise
Cognitics alumni network
Learned Society IRASCA

Student testimonial

I graduated in 2009 and co-founded the Akiani agency, which specialises in user experience (UX research, UX design, UX strategy) and human expertise (Human factors, neuroergonomics, risk management). We provide support for our clients with creating new experiences and determining uses for their future products and services.

Axel Johnston - Class of 2009
UX Lead & Associate Director - Akiani



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