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 Écoles. 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.

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...

Prof. Bernard Claverie
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

CONTACTS

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