The objective of this course is to provide engineers with a high-level multi-disciplinary approach to understand human behavior and performance. All courses and practical works are taught with a view to apply the acquired knowledge to the aeronautical and transportation domains.

### Learning objectives

After completing this course, participants will be able to:

- Understand the psychological and biological processes that underlie human performance & mental states
- Be able to interact with experts of the Human Factors and Neuroscience domains to improve flight safety.

### Prerequisites

- Master level

### Key elements

**Dates:**
30 September - 3 October 2019

**Duration:**
25 hours

**For whom:**
Recent graduates, jobseekers and experienced employees

**Location:**
ISAE-SUPAERO, Toulouse

**Course fees:** 2 300 €

**Language:** English

### Highlights

- Unique Neuroergonomics approach
- Introduction to several cognitive functions
Course Content

- Vigilance, Fatigue & Rhythms
- Attention & Executive Control
- Learning & Memory
- Emotions, Stress & Decision Making
- Executive Functions & Mental Flexibility
- Application Focuses: Pilot/Autopilot Conflict; Airline Pilot Experience