

Train'ing or Alternate Skills 7



In brief

➤ **Course language:** French

Presentation

Learning objectives

The train'ing is a place dedicated to the integration of the Centralien engineer's competences articulated around 3 main axes: scientific openness, societal and cultural openness, professional openness. Understand the different types of leadership. Understand the stakes of team management. Become aware of the societal stakes and scientific challenges. Capitalize on the professional immersion (health and safety in the workplace, competences acquired in the professional environment,...)

Description of the programme

Concerning the scientific opening, scientific activities, in connection with the components of competences C1 (Scientific and technical innovation) and C2 (Control of complexity and systems) are proposed. These activities are spread out over 3 days (24 hours per student) around a theme by articulating different learning formats (practical work, experiments, visits, projects, workshops, etc.). The professional opening includes workshops for learning and practicing soft skills (leadership and team management) as well as weeks dedicated to specific activities of the innovation project (ideation week and model realization week) evaluated by a jury. Finally, the cultural and societal opening allows students to open up to disciplines such as the Humanities, the Arts and various fields of the Humanities and Social Sciences in order to develop their ability to appropriate other languages, to encourage their curiosity and creativity. In addition, these training activities promote student awareness of major societal and environmental issues. In accordance with the institution's strategic axes, the proposed themes are based on the SDGs. These different aspects are addressed through elective choices spread over the semester.

Generic central skills and knowledge targeted in the discipline

Training is a privileged place to acquire skills. The 5 central skills are therefore addressed in the training.

- C1 (Scientific and technical innovation)
- C2 (Control of complexity and systems)
- C3 (Program management)
- C4 (People management)
- C5 (Strategic vision)

How knowledge is tested

The various training activities of the three above-mentioned components are evaluated by continuous assessment. Each week is evaluated. The cultural and societal openness offer is evaluated both by attendance at a minimum number of actions defined at the beginning of the year and by the submission of reports.

Teaching team

C Delabroye, E Sarrouy, P Denis, J Bittebierre, L Gallais, F Schwander, A Martinez, C Jazzar, B Chatelet, N Sandeau, P Guichardon, F Anselmet, O Boiron, T Durt, F Lemarquis, I De Riggi, D Hérault, L Schiltz, P Massart.

Sustainable Development Goal



Access to health



Gender equality

Total des heures		104h
TD	Directed work	24h
TP	Practical work	56h
PJ		24h