



→ **JUNE 23 TO JULY 4, 2025**
INSA TOULOUSE CAMPUS

2025 SECOIAS SUMMER SCHOOL

*Security and Communication In Aerospace
Embedded Systems*

You will earn 5 ECTS credits over these two weeks.

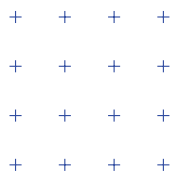
Electronic embedded systems (EES) play a vital role in avionics and spacecraft industry. They ensure functions as essential as navigation, communication, flying, landing control, monitoring, sensing, image processing and data transfer, all of which must operate reliably and safely. EES also fuel the future of aerospace industry through the development of breakthrough technologies and the miniaturization of components, helping meet ambitious goals of decreasing costs and energy consumption.

Do you wish to gain practical experience to develop secure and communicating embedded systems?

Toulouse is home to the European aeronautics and space industry, which includes **the Airbus Group, Thales Avionics, Thales Alenia Space, Intespace, Safran, ATR, Latécoère, Liebherr Aerospace, and the National Center for Space Studies.**

Gain the opportunity to study the basis of aerospace embedded systems at INSA Toulouse, a highly ranked French engineering school!

BY ATTENDING SECOIAS, YOU WILL DEVELOP AND HONE SKILLS THROUGH COURSES, GUEST TALKS FROM AEROSPACE EXPERTS, AND HANDS-ON EXPERIMENTS ON FOUR TOPICS:



Development of Embedded Systems for a Nanosatellite Mission



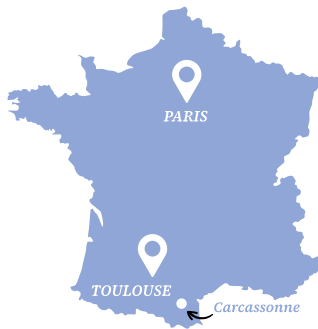
Security Challenges in Aerospace



Design of Antennas for Aerospace



Secure Wireless Communication for Aerospace



ACTIVITIES

- Guided tour of the Medieval City of Carcassonne (UNESCO World Heritage Site)
- Visit of AIRBUS facilities
- Visit of the LAAS-CNRS Laboratory

WHO CAN APPLY

All science and engineering students with undergraduate level (Bachelor of Science in Computer Science or Electronics)

FEES: accommodation, lunch, social events and visits included.



Two weeks:
June 23 to July 4, 2025

Discount fees*: €1,650
**applicants from INSA Toulouse partner institutions*



You will earn **5 ECTS credits** over these two weeks.

Full fees: €1,900



Educational Manager:

Dr. Alexandre Boyer
alexandre.boyer@insa-toulouse.fr

APPLICATION DEADLINE:
April 15,
2025

To access the detailed program, practical information and registration link, please visit:
gei.insa-toulouse.fr/fr/international/secoias.html

