



The leading aviation University



Advanced Master

Unmanned Aircraft Systems



Services and Management

enac.fr

With the support of



Shaping the future of the drone business

Drones, aka UAS, UAV and RPAS, are revolutionising the aviation industry. They have been adapted for commercial use on a global scale, creating ever-expanding opportunities in the market.

New challenges in mobility, agriculture, energy, imagery, as well as public safety and security require people with the right technical competences and able to manage the business.

Value
of commercial
UAS Market
in 2025
7,2 billion €

Source : Teal Group worldwide UAS market forecasts, 2017

Number
of professional
drones in 2050
in Europe

400 000

Source : SESAR JU European Drone Outlook Study, Nov. 2016

■ Become tomorrow's UAS experts

As a graduate of the UAS Services and Management Advanced Master, you will be given the tools and techniques to understand the technology while ensuring the transformation of upcoming **challenges** into **business opportunities**.

You will excel at:

- Driving the strategy
- Analysing customer's needs & requirements
- Developing the business plan
- Defining suitable solutions
- Designing & operating missions
- Developing & implementing regulations

■ Career opportunities

At the end of the programme, you will be able to apply for jobs in three main categories:



**Strategy and
business development**



Engineering



**Operations
& services**

In cooperation with



Le réseau
de transport
d'électricité



STAR
ENGINEERING
an AIS Branch



delair-tech
DRONES FOR INDUSTRY



Starting in October

■ Academic programme

The Advanced Master is a 2 semesters **full time programme**. The first semester (~430h) will consist of academic courses on the **ENAC Campus** in Toulouse.

All content will be delivered in **English**.

Strategy & Business

- Market for UAS
- Strategy
- Regulatory framework
- Corporate analysis
- Customer needs and request analysis

Engineering

- Airframe
- Powerplant
- System architecture
- Avionics
- Communications
- Regulations
- Design optimisation

Operations

- UAS mission
- Flight operations
- Pilot training and in flight awareness
- Sensors, software, and data processing
- UAS modification and maintenance

At the end of the first semester, you will take an end of study project (internship) in industry. Following your internship you will defend your professional thesis.

Prerequisites

- **Master's degree**
- **Bachelor's degree**
+ 3 years of professional experience
- **Any other** equivalent degree

European Union		Non-European Union
reduced tuition fee*	tuition fee	tuition fee
7 282 €	13 016 €	13 016 €

** for students graduated in the year of enrolment or the year before and with no professional experience*

The drone industry has seen tremendous growth in the past 10 years. The needs of the various players, whether they are operators, contractors or regulators, have evolved considerably.

For over 20 years, ENAC has been a world's leading expert in this field. This know-how has been developed to educate cutting-edge professionals with the new Advanced Master «UAS Services & Management», designed in close cooperation with major stakeholders such as Airbus, Safran, RTE, SNCF, Engie, Bouygues, ADP Group...

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The fast-expanding drone market requires excellence in training and education for all professionals. DGAC fully supports this Advanced Master.

Patrick Gandil

DGAC General Director, Chairman of the Board of Civil Drones

This new programme is an essential tool for the industry to reach excellence and to face international challenges.

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Nicolas Pollet

CEO Altametris, an SNCF company

“

The ENAC UAS Master enables people to take management positions linked to the operations of drones.

Olivier Reichert

Innovation Program Director, Safran Electronics & Defense

Contact us

Michel CHAUVIN, Post Graduate Programme Manager
michel.chauvin@enac.fr

Dominique VIAL, Course Director
dominique.vial@enac.fr



Apply on www.enac.fr

