



Advanced Master

Unmanned Aircraft Systems



Services and Management

With the support of



enac.fr

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 forecast, 2017

Source: SESAR EU European Drones Outlook Study, Nov 2016

Number of professional drones in 2050 in Europe

400 000

■ 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



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	Engineering	Operations
<ul style="list-style-type: none">• Market for UAS• Strategy• Regulatory framework• Corporate analysis• Customer needs and request analysis	<ul style="list-style-type: none">• Airframe• Powerplant• System architecture• Avionics• Communications• Regulations• Design optimisation	<ul style="list-style-type: none">• 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
7 282 €	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

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

Nicolas Pollet

CEO Altametris, an SNCF company

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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

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Apply on www.enac.fr

