The Leading Aeronautic French University

# **Master of Science**

UNIVERSITÉ PARIS SOR BONNE A B U D H A B I A bridge between civilisations International Air Transport Operations Management

> sorbonne.ae enac.fr

"A unique international air transport management programme provided by two universities with academic excellence"





"Students will benefit from the international experience and extensive know-how of ENAC and Paris-Sorbonne University Abu Dhabi, as this new international programme aims to prepare and train professionals in tackling future challenges faced by the aeronautical and aviation industry globally."

> Olivier CHANSOU ENAC President

**Master "IATOM"** offers a comprehensive learning programme focusing on building **strong scientific skills** in aeronautical and aviation engineering, operations, law and social environment, economics and project management.

## Career opportunities

Graduates are operational for technical management positions and possibly access leading to top management in the followings domains:

- Airlines
- Airports
- Aerospace organisations and industry
- Maintenance, repair and Overhaul (MRO)
- Civil Aviation Authorities
- Air Navigations services providers or ATM companies

## What's in it for me?

- **1.** Learn from the leading Aviation University in Europe
- 2. Have the opportunity to gain international experience
- Benefit from high teaching standards with strong ties with civil aviation industry and resEarch
- Learn about aviation industry challenges worldwide during your 6 months internship
- 5. Benefit from Abu Dhabi and Toulouse cosmopolitan campuses
- 6. Join the 23 000 ENAC alumni network worldwide



## Main features

#### 2 year full-time programme:

- 1 semester in Abu Dhabi
- 2 semesters in Toulouse
- 1 semester Internship worldwide

Master's degree awarded by ENAC, in collaboration with Paris-Sorbonne Abu Dhabi.

	Semester 1	Semester 2	Semester 3	Semester 4
On-site selection	Paris-Sorbonne - Abu Dhabi	ENAC - Toulouse	ENAC - Toulouse	> Internship
		Main Topics		Airbus
	<ul> <li>Project management</li> <li>Fundamental economics</li> <li>Fluid mechanics, Flight mechanics, aerodynamics</li> <li>Aircraft structure</li> <li>Propulsion</li> <li>Preliminary design</li> <li>Operations Research and statistics</li> </ul>	<ul> <li>Certification and airworthiness</li> <li>Structural design</li> <li>Aeronautical maintenance</li> <li>Airport operations</li> <li>Airline operations</li> <li>Air transport economy and marketing</li> </ul>	<ul> <li>Aircraft performance optimisation</li> <li>Airline Engineering and MRO</li> <li>Flight management systems</li> <li>Airline and Airport marketing</li> <li>Human resources, management</li> </ul>	<ul> <li>ATR</li> <li>ICAO</li> <li>IATA</li> <li>Air France</li> <li>Aircalin</li> <li>Vinci Airports</li> <li>EGIS Avia</li> <li>Amadeus</li> </ul>
			Flight planning and crew management	•

## Admission Requirements

- Bachelor degree in engineering (aeronautical, aerospace, mechanical, mechatronics)
- English level: TOEFL 550 (PBT), TOEFL 79 (IBT), TOEIC 785, IELTS 6.5

Tuition fees: 19 000€

## Starting in September 2018

Paris-Sorbonne University Abu Dhabi is a higher education institution that attracts the best students from the UAE and around the world. Established in 2006 as a result of an agreement between the Paris-Sorbonne University in Paris and the Government of Abu Dhabi, Paris-Sorbonne University Abu Dhabi offers the very best in international higher education. Our students benefit from 760 years of academic excellence and learn on a state-of-the-art campus on Al-Reem Island in Abu Dhabi.

ENAC is internationally recognized as the leading Aeronautical and Aviation University in Europe, providing a broad range of training, studies and research activities in these domains with more than 30 higher education programmes ranging from Bachelor to Ph.D.s.

It is the only aviation institutions crowned with ICAO (Regional Center of Excellence) and EASA (Virtual Academy) recognitions and bestowed with global strategic partnerships with IATA (International Air Transport Association) and ACI (Airports Council International) for the delivery of joint training programmes worldwide.



"There are very few universities in the world which provide high level education on all aviation domains, including airlines and airports operations, air traffic control, aircraft design, ... ENAC is one of those, and has been successfully educating for the last 70 years, leading engineers and operators in the aviation community."

#### Patrick Ky Executive Director, EASA

«Today, the Aviation industry can be summed up by two things: safety issues and airline profits. The ENAC IATOM Master's programme is one of a kind. The fact that the content of the course covers aviation as a whole, covering working with airports and airlines, dealing with industries and authorities, I felt fully prepared to start my career as a FMS (Flight Management System) Engineer for a subcontractor of Airbus.»



Yasser El Khachani (IATOM13) Engineer at HighTekWay

## **Contact us**



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