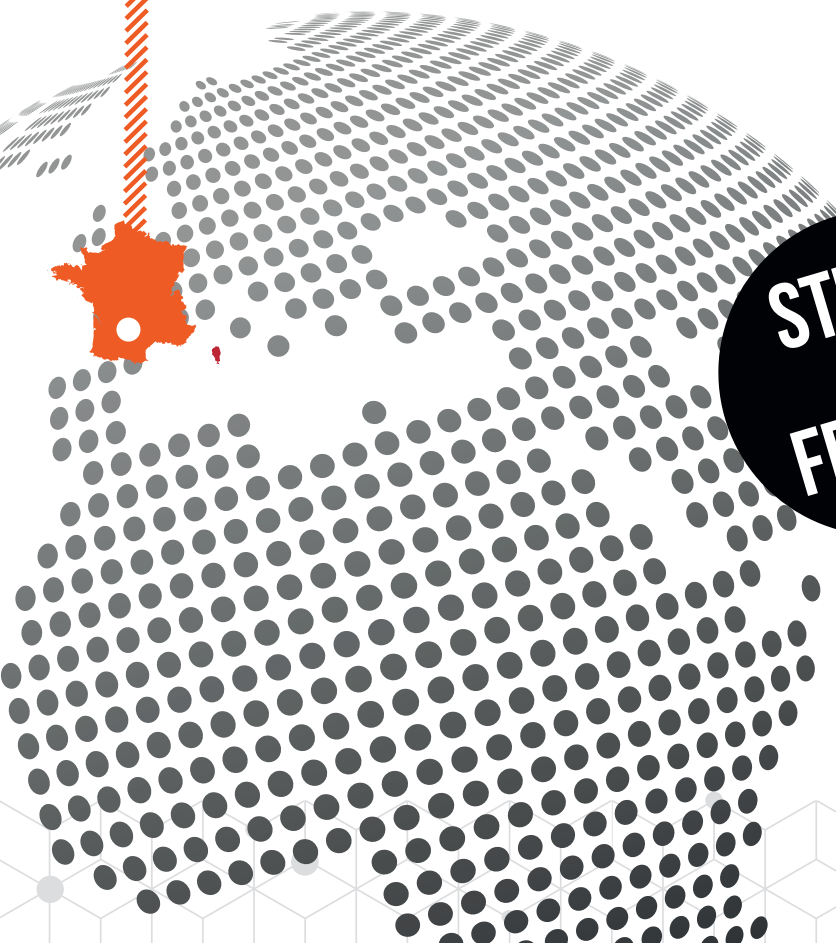




ADVANCED MASTERS



**STUDY
IN
FRANCE**

>> VISIT OUR WEBSITE

TOULOUSETECH.EU



TOULOUSETech



THE "ADVANCED MASTER" OR "MASTÈRE SPÉCIALISÉ[®]" IS A POSTMASTER'S PROGRAM ACCREDITED BY THE FRENCH "CONFÉRENCE DES GRANDES ÉCOLES".



THE ADVANCED MASTER IS A FULL-TIME, ONE-YEAR PROGRAM INCLUDING THEORETICAL LECTURES, TUTORIALS, CASE STUDIES, INTERNSHIP, AND INDIVIDUAL PROFESSIONAL THESIS.

PRE-REQUISITE : MASTER'S DEGREE

PROGRAMS ARE TAUGHT IN ENGLISH 



AERONAUTICS & SPACE



ADVANCED MASTER **ADVANCED MANUFACTURING PROCESSES FOR AERONAUTICAL STRUCTURES** (BY ISAE-SUPAERO & IMT MINES ALBI)

Presentation

A deep knowledge of the three main material families used in airframe structures (i.e. aluminum, titanium and long fiber reinforced polymer composites) and their related forming routes in aeronautical industries. Knowledge in aircraft architecture, on aeronautical supply chain specificities, lean manufacturing and quality management requested to be able to take over technical and organizational responsibilities in industry.

Objectives

To prepare participants to take on high level responsibilities in airframe structure manufacturing plants. To develop technical knowledge of materials science and processes related to supply chain and organization.



ADVANCED MASTER **AERONAUTICAL MAINTENANCE AND SUPPORT** (BY ISAE-SUPAERO)

Presentation

Up-to-date exposure to modern techniques and methods, know-how, regulations and standards applied in aviation industry, putting the emphasis on life cycle cost management making services more profitable, available and reliable.

Objectives

To prepare participants to face the competitive and fast changing MRO business within the international regulatory framework. To expose participants to the latest techniques and methods, regulation and standards applied in aviation industry. To acquire a wide range of knowledge from engineering fundamentals to maintenance organization management.



ADVANCED MASTER **AIR NAVIGATION** **SYSTEMS ENGINEERING AND OPERATIONS** (BY ENAC)

Presentation

Commercial air transport Business should double before 20 years according to the most realistic forecasts. Therefore ICAO, States, Authorities of the Civil aviation should anticipate and prepare technically and operationally this growth by, establishing and implementing an effective global air navigation services system.

Objectives

Future graduates of the Advanced Master ANSEO will be qualified managers of interdisciplinary teams to develop or to improve technical Air Navigation System, whether at sub-systems level (plane, ground, management of air traffic) or at architecture system integrating interactions between these sub-systems.

ADVANCED MASTER **AEROSPACE PROJECT** **MANAGEMENT** (BY ISAE-SUPAERO & ENAC)

Presentation

The latest management skills, knowledge and skills to lead international project teams and prepare participants for an international project management career in the global aerospace and defense industry.

Objectives

To provide students with current techniques and tools in project management taking into account industrials, economical or legal specificities of the Aerospace business.



ADVANCED MASTER **AIRPORT MANAGEMENT** (BY ENAC)

Presentation

This "Advanced Master" aims at training specialists who are highly valued and sought after by the airport sector.

Objectives

Training given through the "Advanced Master" in Airport Management prepares students for the full range of positions of responsibility within airport management: operations, marketing, management, finance and human resources.

ADVANCED MASTER **AIR TRANSPORT** **MANAGEMENT** (BY ENAC)

Presentation

The ENAC's "Advanced Master" in Air Transport Management offers a systematic approach to air transport by examining it from the viewpoints of the economy, operational working methods, marketing and financial strategies, productivity and management of human resources in airline companies, and finally the major air transport issues and strategies in the future.

Objectives

Obtaining the "Advanced Master" in Air Transport Management is an invaluable asset for those occupying such positions as: head of market studies, sales representative, management controller, operational research engineer or line manager.





ADVANCED MASTER AVIATION SAFETY AIRCRAFT AIRWORTHINESS

(BY ISAE-SUPAERO & ENAC)

Presentation

Aircraft airworthiness must be considered as a coherent process running from the design of the aircraft to the monitoring of its technical condition in airline service.

Objectives

To cover both the technical aspects of certification – regulations, and the legal or economic implications. This course has been designed to give future managers a broad understanding of the issues and priorities which, as far as aeronautical construction is concerned, have an international dimension.

ADVANCED MASTER EMBEDDED SYSTEM

(BY ISAE-SUPAERO & INP-ENSEEIH)

Presentation

A system approach through integrated projects to master methods & tools used in aeronautics, space and the automotive sector.

Objectives

To prepare embedded systems experts with both system level and functional level design skills.

ADVANCED MASTER HELICOPTER, AIRCRAFT AND DRONE ARCHITECTURE *(BY ISAE-SUPAERO)*

Presentation

Technical & management aspects related to design, certification and operations of civil/military aircrafts, drones & helicopters.

Objectives

To provide high-level engineering and technical skills for careers in the aircraft, drone & helicopter business.



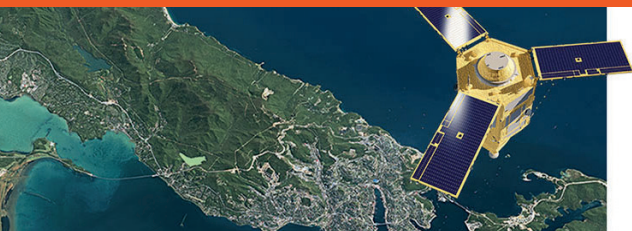
ADVANCED MASTER SAFETY MANAGEMENT IN AVIATION *(BY ENAC)*

Presentation

ENAC Advanced Master in Safety Management in Aviation (SMA) is designed to train Safety Management System (SMS) managers who will lead the structural and administrative changes within their organization, moving it from reactive thinking to predictive thinking.

Objectives

Courses cover all of the aspects of SMS concepts, processes, methods and operational management, either cross-domain or specific to the organization. The programme is specifically engineered to address executive as well as working levels, to consider the entire gamut of aviation organizations (aircraft operator, manufacturer, maintenance organization, airport operator, air navigation service provider, training organization) and to cover the interactions between all of these organizations.



ADVANCED MASTER **SPACE APPLICATIONS AND SERVICES** (BY ISAE-SUPAERO)

Presentation

The technical knowledge required for the specification of space systems either for telecommunications, Earth observation or positioning services a broad understanding of space systems to analyze client needs and design new services.

Objectives

To enable students to identify the specific constraints of satellite deployment and the key elements of the value chain and business model.

ADVANCED MASTER **SYSTEMS ENGINEERING** (BY ISAE-SUPAERO)

Presentation

A system approach with the capacity to federate and manage various, interwoven and complementary activities.

Objectives

To provide the international aerospace industry with skilled professionals equipped to specify, design, deploy and maintain complex systems.

ADVANCED MASTER **TAS ASTRO - SPACE SYSTEMS ENGINEERING** (BY ISAE-SUPAERO)

Presentation

High level inter-disciplinary training in space systems engineering and space project management.

Objectives

To acquire and develop technical skills specific to space systems design and to understand the international, economic and legal aspects of space programs.

ADVANCED MASTER **SPACE COMMUNICATIONS SYSTEMS** (BY ISAE-SUPAERO & INP-ENSEEHT)

Presentation

A global approach to space communication systems design taking into account the environment and performance.

Objectives

To acquire the latest knowledge to master different techniques and technologies applied to space communication or global satellite navigation systems.

ADVANCED MASTER **TAS AERO AERONAUTICAL ENGINEERING AND FLIGHT TEST ENGINEERING OPTION** (BY ISAE-SUPAERO)

Presentation

An integrated approach to aircraft product design development.

Objectives

To acquire necessary skills in the disciplines and techniques of the aeronautical sector, to facilitate work on multidisciplinary projects in aeronautics with a very practical approach, to develop skills in team building and team process at a multinational level, to develop project-management and program management skills for international use, to understand the global economic environment of the aeronautical sector.



Presentation

Drones aka UAS, UAV, or RPAS are revolutionizing the civil aviation industry. It has been adapted for commercial use on a global scale creating new opportunities in the market. The air transport, the audio-visual, the transportation, the agriculture domain, the defense industry as well as the energy sector are seeking experts in the new technology and its management.

Objectives

Operators, Manufacturers and Air transport regulatory bodies need high-level experts. To meet this demand, ENAC developed this Advanced Master in close partnership with major users of drones such as Airbus, SAFRAN, Thales, RTE, SNCF, Engie, Bouygues, ADP Group, Delair-Tech, Airborne Concept etc.

ADVANCED MASTER **UNMANNED AIRCRAFT SYSTEMS SERVICES AND MANAGEMENT** (BY ENAC)

COMPUTER SCIENCE



ADVANCED MASTER **INNOVATIVE AND SECURE IoT SYSTEMS**

MSIoT (BY INSA)

Presentation

The transversal multidisciplinary advanced Master of Science degree in "Innovative and Secure IoT Systems" (MSIoT), aims to establish a one-year degree course which prepares engineers and postgraduate students to be able to innovate, that is to say, to conceive, design, produce, distribute, and market a "smart system based on connected objects" starting from the component through the business applications while taking into account the wider social aspects.

Objectives

MSIoT contains trainings on: smart devices, communication, middleware and service, analysis and data processing, security and options to explore startup creation, e-health and factory of the future.



SAFETY MANAGEMENT

ADVANCED MASTER **SAFETY ENGINEERING AND MANAGEMENT (BY INSA)**

Presentation

Today, society is faced with two objectives which seem to be contradictory: innovation which implies taking risks whilst guaranteeing safety for all by controlling these risks. The Advanced Master's in "Safety Engineering & Management" provides the required skills to take up the challenge. This vital control of technological risks involves all sectors: transportation (air, rail, road...), energy (nuclear plants, oil and gas, fuel cells...), production (pharmaceutical, agribusiness, manufacturing...), construction, waste disposal, etc.

Objectives

Controlling safety means acquiring a generic expertise which includes understanding risk and safety concepts, identifying risks and their origins, analysing risks, and treating risks. It also calls for Safety Management, ensuring that safety is truly integrated into company activities. Finally, the Human, Organizational and Social Factors of Safety place engineers' activities in their physical environment. Controlling safety also means acquiring specific expertise by Designing for Safety, ensuring Functional Safety, controlling Toxic Risks for Humans and the Environment, as well as Process Safety, and trust in Structural Safety. Not only do Engineers and Managers have to prevent accidents but they must also provide evidence to authorities that they can trust product safety.

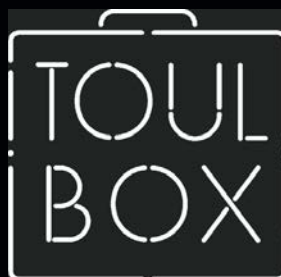
L'ACCUEIL WELCOME DESK

The new hub for all French and foreign students and researchers invited to the University of Toulouse.

You will find:

- Help to obtain administration authorization to study in France
- Help to settle
- Help to look for accommodation
- Facilities to move in the city
- Cultural and sports activities offers

en.univ-toulouse.fr/welcome-desk



The essential set to ease your installation in Toulouse !

Settling down in a new city to study or complete a research program is an extremely enriching experience that can also be stressful and complicated when we don't have a single clue about the area, the mandatory formalities, the habits or the customs.

In order to ease your arrival and make your installation stress free, the University of Toulouse provides you with a personalized reception service, very complete and specifically created to allow you to easily get acquainted with your new environment and anticipate your steps at the very most.

Several packages available for international students and researchers: a welcome pack, a housing pack, a language courses pack, an airport / train station pack.

A complete set of tools for the students and researchers who are looking to easily settle in Toulouse!

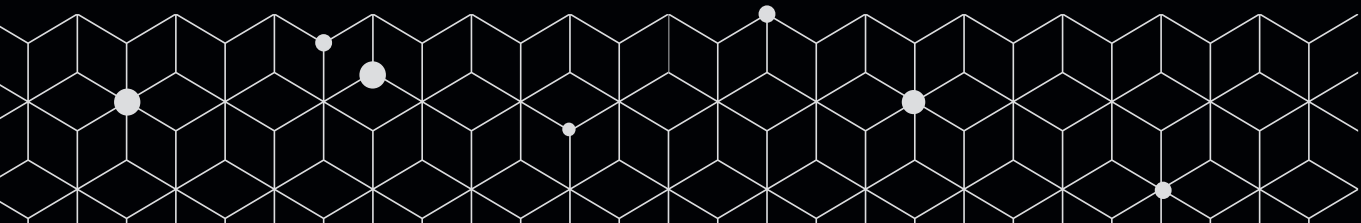
toulbox.univ-toulouse.fr/

TOULOUSE **TECH** IT EASY

The portal Toulouse Tech it easy is dedicated to international students and offers information to help them with their projects.

Students can create an account on the portal and apply online for one or more programmes of their choice.

toulousetech.eu



**APPLY
ONLINE**

www.toulousetech.eu

© Avenir AGITEO



PREPARE FOR
AN INTERNATIONAL CAREER
WITH AN
ADVANCED MASTER



TOULOUSE TECH BRINGS TOGETHER INSTITUTIONS DELIVERING ACCREDITED MASTERS OF SCIENCE AND TECHNOLOGY WITHIN THE UNIVERSITÉ DE TOULOUSE. INSTITUTIONS WORK CLOSELY TOGETHER TO PROMOTE THEIR EXTENSIVE RANGE OF COMPLEMENTARY PROGRAMS VIA THE PORTAL TOULOUSE TECH IT EASY.

>> GO AHEAD

HOW TO APPLY



>> FOLLOW US

 TOULOUSE TECH
 #TOULOUSETECH
 TOULOUSE TECH
 UNIVERSITÉ DE TOULOUSE
PLAYLIST TOULOUSE TECH

