

FACULTAD  
DE  
CIENCIAS  
ECONÓMICAS

# UNIVERSIDAD AUTÓNOMA DE MADRID



## BACHELOR DEGREE PROGRAM IN AERONAUTICAL MANAGEMENT



<b>Degree</b>	Bachelor in Aeronautical Management
<b>Credits/Duration</b>	240 ECTS credits/4 years
<b>Language of Instruction</b>	Spanish
<b>Prerequisites</b>	Undergraduate Degree
<b>How to Apply</b>	<a href="http://www.uam.es/ss/Satellite/es/1234886370659/sinContenido/Accesso_y_admision.htm">http://www.uam.es/ss/Satellite/es/1234886370659/sinContenido/Accesso_y_admision.htm</a>
<b>For more information</b>	Admission process: <a href="mailto:administracion.economicas@uam.es">administracion.economicas@uam.es</a> Academic information: <a href="mailto:coordinador.grado.gestionaeronautica@uam.es">coordinador.grado.gestionaeronautica@uam.es</a>

## Description of the program

The Undergraduate Degree in Aeronautical Management is aimed at training professionals for management and administration of a wide, multidisciplinary range of companies and institutions in aeronautics industry: airlines, handling and catering firms, airport infrastructure managers, service providers for air navigation, manufacturing and maintenance of the aircraft fleet, and specialized consultants.

### Why choose this Bachelor Program?

The program provides a solid background for students pursuing a professional career in aeronautical management. Prospective employers include accounting and auditing firms, multinational companies, financial institutions and government agencies. The majority of our graduates start their professional career in the industry. Here, auditing firms demonstrate high interest in the competence of our graduates. Some of our graduates, however, pursue a career in Academia.

### What will you learn?

The general goal of this degree program is to equip a student with general management knowledge and specific knowledge of the current state of the sector, management policies and the environment, in which commercial air transport companies develop their activity.

### Other opportunities (study and internship abroad, etc.)

Students in the Bachelor Degree Program in Aeronautical Management may complete, on a voluntary basis, mentored internships in firms or institutions within the sector, preferably during their fourth year of study. They receive the technical training needed for these internships through workshops dedicated to this purpose. The Faculty of Economics and Business has been providing company internships since 1997 and collaborates with important companies and institutions, such as: Aena S.A. ENAIRE, CIAIAC, Aviation Group, Wamos Air, DHL, SAERCO, Air Europa, SENASA, Iberia, Flight Tech, SAE, SCA, etc.

Student mobility is fully integrated and recognised in the University's academic activity. Globalization has an identity of its own in the world of economics and business, meaning that graduate in Aeronautical Management must be prepared to join a global world with knowledge of languages and other cultures. Studying in other countries through different mobility programs allows students to acquire and develop these competencies.



## Employment opportunities for graduates

Along with technical expertise, students holding a degree in Aeronautical Management demonstrate ability to think critically, analyze, and communicate efficiently, which is essential for decision-making in the aviation industry. There is a variety of employment opportunities available for aviation managers within airports, airlines or other aviation-related organizations. Among the main professional outlets of the Aeronautical Management degree, the following can be especially emphasized:

- Airports (Management Office, Strategic Planning and Quality Management, Service Executive, Operations Division, Airport Security, Airport Services, Economic-Financial Area, Human Resources, Commercial, etc.);
- Airline companies (Office of the President, Strategic Planning and Alliances, Legal Counsel, International Relations, Economic-Financial Area, Human Resources, Communication, Airports, Security, Cargo, Materials, Operations, Marketing and Commercial Management, Passenger Service, Maintenance, Flight Security and JAR Quality);
- Air Navigation (Management Office, Air Transit, Systems and Installations, Air Traffic Control, Planning, Economic Control and Management, Organization and Human Resources);
- Auxiliary Services (General Services, Handling, Maintenance, Simulation, General and Sport aviation);
- Auditing and consulting (Aeronautics Sector, Human Resources, Economic-Financial Area, etc.);
- Researching and Teaching.

Goals of the Degree Program in Aeronautical Management perfectly meet the needs of the labor market, especially in the Community of Madrid, where a high percentage of Spanish aeronautics business is concentrated. Madrid holds a position of leadership and prestige in the sector at the European and world levels as well. Graduates in Aeronautics are very likely to find jobs, even before they finish their studies, as demonstrated by the fact that the employability rate for graduates of this program is between 90 and 95%.

## Curriculum

The Bachelor Degree Program in Aeronautical Management provides students with a specialized knowledge of the aviation industry and a strong foundation in Business Administration. The Degree is obtained after 4 years of studies (8 semesters), and implies a workload of 240 ECTS credits.

General Structure of the curriculum	ECTS
Basic training (BT)	60
Mandatory subjects (MS)	160
Optional subjects (OP)	24*
Final Project (FP)	6
<b>Total</b>	<b>240</b>

\*For students who choose to pursue 18 ECTS credits of the internship or optional subjects, 6 credits for cultural and sports activities or service as student representative or volunteer may be recognized.

### First Year

Course	Credits	Semester
Mathematical Fundamentals	6	1
Geography	6	1
Introduction to Microeconomics	6	1
Sociology	6	1
Aviation and Aeronautical Industry History	6	1
Introduction to Macroeconomics	6	2
Air Transport Management	6	2
Introduction to Physics	6	2
Descriptive Statistics	6	2
Introduction to Law	6	2

### Second Year

Course	Credits	Semester
Business Economy	6	1
Organizations Sociology	6	1
Management IT	6	1
Theoretical Statistics	6	1
Public Administration and Management	6	1
Human Resources Management	6	2
Financial Accounting	6	2
Financial Management	6	2
Marketing	6	2
Meteorology and Air Transport	6	2

### Third Year

Course	Credits	Semester
Aeronautical Public Law	6	1
Management Accounting	6	1
Aeronautical Marketing	6	1
Aeronautical Quality Management	6	1
Aviation Security Systems	6	1
Statistics Instruments for Aeronautical Management	6	2
Airport Management	6	2
Principles of Air Navigation	6	2
Corporate Aviation	6	2
Flight Operational Management	6	2

### Fourth Year

Course	Credits	Semester
Private Air Law	6	1
Aircraft Maintenance Management	6	1
Airline Strategic Management	6	1
Environmental Impact of the Aeronautical Industry	6	1
Technical Preparation Workshops	6	1
Final Project	6	2
Optional subjects	24	1 or 2

### Optional Subjects

Course	Credits	Semester
International Marketing (English)	6	1
Entrepreneurship and Business Start-up	6	1
Corporate Business Valuation	6	1
Taxation of the touristic sector	6	2
Sociology of the Population	6	2
International Accounting (English)	6	2
Development of New Products and Brands	6	2
Programming and Budgetary Control	6	2
International Management	6	2
Economic Information for Business and Management	6	2
Statistical Quality Control	6	2
In-Company Internship Program	18 or 24	Annual