

The background features a vibrant, abstract composition of overlapping red and blue shapes. The red shapes are primarily in the center and right, while the blue shapes are on the left and top. The overall effect is dynamic and modern.

## **WE MOTIVATE THOSE WHO WANT TO GO FAR**

Promoting critical thinking so you learn to think  
and not just study.

To keep you going, doing, growing and  
experimenting.

That's the essence of the university. Putting your talent  
into action is the best way to evolve, learn, and educate  
yourself. Curiosity is that spark that moves you and  
brings out the best in you, time and time again.

Because being demanding means having the ambition  
to find something you're passionate about and, when  
you know what that is, wanting to discover new things.

# INTERNATIONALLY RECOGNIZED QUALITY

## BE GLOBAL

We know that you'll go looking for answers or new questions wherever they may be.

**We'll give them  
to you in numbers!**



**24%** 

**INTERNATIONAL STUDENTS.** You'll live in a multicultural environment with an average above other universities.

**300** 

**AGREEMENTS.** You'll be able to study abroad at prestigious universities around the world.

**89%** 

**EMPLOYABILITY.** Our students find a job in less than 12 months. Stand out from the rest and prepare yourself to be a global professional.

## UNIVERSIDAD EUROPEA'S CERTIFICATIONS



AGENCIA NACIONAL DE EVALUACIÓN DE LA CALIDAD Y ACREDITACIÓN



OHSAS 18001



ISO 14001



Recognised for Excellence  
5 Star - 2017



# BACHELOR'S DEGREE IN AEROSPACE ENGINEERING



# BACHELOR'S DEGREE IN AEROSPACE ENGINEERING

## DIFFERENTIAL RATIOS

### ◆ CREATE YOUR PROJECTS

Participate in one of the student-run 34 Clubs, such as Air Division, designing and testing aircraft models in our wind tunnel, or the UE Formula Club, which is celebrating its eleventh anniversary by taking part in two international racing circuits each year.

You can also win prizes with the real projects you develop in class. Such as "Flying Dreams," which was a finalist in the Fly Your Ideas competition by Airbus, or S&R Solutions, winners of the PwC award in the Start UP Programme (a rescue drone project) or be like Adriana Alonso, a student in the bachelor's degree program and winner of the Mastercard Innovation Challenge (2018).

### ◆ PROFESSIONAL PROSPECTS

Work in multidisciplinary teams with students from other areas: Computer Science, Design, and Engineering, among others. Empower your skills and abilities and train yourself to be a professional prepared for the market.

100% of our students find a job in less than 6 months after finishing their bachelor's degree in Aerospace Engineering.

### ◆ INTERNSHIPS

Carry out an internship at the European Space Academy Center, European Space Agency, ITP, Iberia, Altran, Aernnova, or Airbus and complete a double degree from the University of Hertfordshire, UK.

Choose one of destinations to round out your profile such as Embry-Riddle in the United States, whose aerospace engineering program is ranked number one by US News & World Report.

### ◆ REINFORCE YOUR LEARNING

Participate in the PBS Awards for Integrating Projects by presenting your achievements to companies as important in the sector as AIRBUS in addition to more than 20 companies. The best projects will receive awards and you will have the chance to get a foot into the job market.

### ◆ COMPLETE YOUR TRAINING

To reach the highest level as an engineer and sign off on projects, complete the Master's Degree in Aeronautical Engineering, and deepen and advance your career.

# BACHELOR'S DEGREE IN AEROSPACE ENGINEERING CURRICULUM

	SUBJECTS	TYPE	ECTS
FIRST YEAR	♦ Calculus I	UCR	6
	♦ Physical Fundamentals of Engineering	UCR	6
	♦ Computer Science for Engineering	UCR	6
	♦ Technical Drawing	UCR	6
	♦ Chemistry for Engineering	UCR	6
	♦ Algebra	UCR	6
	♦ Aerospace Technology	UCR	6
	♦ Navigation Systems I	DR	6
	♦ Materials Science	DR	6
	♦ Communication Skills in Engineering	DR	6
SECOND YEAR	♦ Calculus II	UCR	6
	♦ Fundamentals of Business Organization	UCR	6
	♦ Navigation Systems II	DR	6
	♦ Thermodynamics and Propulsion	DR	6
	♦ Fluid Mechanics I	DR	6
	♦ Statistics	UCR	6
	♦ Management of Aerospace Companies	UCR	6
	♦ Mechanical	DR	6
	♦ Material Resistance and Mechanical Elasticity	DR	6
	♦ Air Transport	DR	6
THIRD YEAR	♦ Aerodynamics and Aeroelasticity	DR	6
	♦ Aerospace Production and Projects	DR	6
	♦ Fluid Mechanics II	DR	6
	♦ Mechanical and Graphic Design	DR	6
	♦ Aeronautical Structures and Vibrations	DR	6
	♦ Flight Mechanics	DR	6
	♦ Space Vehicles and Missiles	DR	6
	♦ Management Skills	DR	6
	♦ Maintenance and Certification of Aerospace Vehicles	DR	6
	♦ Professional History, Practice, and Deontology	DR	6
FOURTH YEAR	♦ Satellite Design	DR	6
	♦ Aircraft Design	DR	6
	♦ English	DR	6
	♦ Internship I	DR	6
	♦ Internship II	DR	6
	♦ Graduation Project	DR	18
	♦ Required Elective I	RE	6
	♦ Required Elective II	RE	6
	♦ Internship III	RE	6
	♦ University Activities	RE	6

**TOTAL 300 ECTS**

ECTS	DURATION	MODALITY	LANGUAGE	LOCATION
300	4 years	On-site class	85% in English	UEM
<b>DR</b>	Degree Requirement		<b>ECTS</b>	European Credit
<b>UCR</b>	University Core Requirement			Transfer System
<b>RE</b>	Required Elective		<b>UEM</b>	Univ. Europea de Madrid
Some courses in the curriculum may be subject to modifications. All courses in the curriculum are delivered in English.				