



Universidad  
de Alcalá

## INTERNATIONAL PROGRAMME OF SPECIALISATION IN SPACE AND DEFENCE TECHNOLOGIES

### Polytechnic School

#### WELCOME

The International Programme of Specialisation in Space and Defence Technologies at the Polytechnic School of the UAH is a one-semester bilingual graduate programme that provides advanced training to enable students to develop their competences and skills to improve their employability. This programme combines training in software systems, devices, advanced tools, standards, regulations, and issues associated with space engineering and defence security systems.

#### WE OFFER

Upon successful completion of the program requirements, students will receive, in addition to their official transcript of grades, an official certificate of completion indicating that they have taken the International Programme of Specialisation in Space and Defence Technologies.

More info:

<https://bit.ly/3eDCHJu>

[sdeps.internacional@uah.es](mailto:sdeps.internacional@uah.es)





## INTERNATIONAL PROGRAMME OF SPECIALISATION IN SPACE AND DEFENCE TECHNOLOGIES

### DIPLOMA DE ESPECIALIZACIÓN EN TECNOLOGÍAS DEL ESPACIO Y DEFENSA (INTERNATIONAL PROGRAM)

#### ACADEMIC CALENDAR

1st period/semester: September 29 to January 20  
Face to face classes (exam period included): December 9 to January 31

OR

2nd period/semester: February 6 to May 19  
Exam period (exam period included): May 23 – May 30

#### PROGRAMME DESCRIPTION

INTERNATIONAL PROGRAMME OF SPECIALISATION IN SPACE AND DEFENCE TECHNOLOGIES (2<sup>nd</sup> study cycle)

The programme has the option to be taught in English Friendly mode (classes will be taught in Spanish, but documentation, tutorials, student questions, practical labs and exams will be available in English and Spanish). In addition, short videos in English will be provided to introduce the key competences that will be explained in each session.

As a requirement for receiving the course completion certificate students must complete one semester of the subjects defined as compulsory (30 ECTS).

DIPLOMA DE ESPECIALIZACIÓN EN TECNOLOGÍAS DEL ESPACIO Y DEFENSA (INTERNATIONAL PROGRAM)

El programa tiene la opción de ser impartido en modalidad English Friendly (las clases se impartirán en español, pero la documentación, las tutorías, los laboratorios prácticos y los exámenes estarán disponibles en inglés y español). Además, se proporcionarán vídeos cortos en inglés para introducir las competencias clave que se explicarán en cada sesión.

Como requisito para recibir el certificado de finalización del curso los estudiantes deberán completar un semestre de las asignaturas definidas como obligatorias (30 ECTS).



LEARNING MODE OF STUDY:		
1 <sup>st</sup> semester or 2 <sup>nd</sup> semester: Hybrid with online sessions and face-to-face lectures	Number of ECTS Online	22,5
	Number of ECTS face-to-face	7,5

Course name	ECTS	1st period		2nd period	
		Online Synchronous lectures on:	In-person	Online Synchronous lectures on:	In-person
<a href="#">REMOTE SENSING: TECHNOLOGIES AND APPLICATIONS</a> ( <i>English Friendly</i> ) TELEDETECCIÓN: TECNOLOGÍAS Y APLICACIONES	6	Thursdays 17:00-21:00	Final exam: January 25		
<a href="#">SIGNAL PROCESSING TECHNIQUES FOR INTELLIGENT ENVIRONMENTS</a> ( <i>English friendly</i> ) TÉCNICAS DE PROCESADO DE SEÑAL EN ENTORNOS INTELIGENTES	6	Wednesday 17:00-21:00	Final exam: January 31		
<a href="#">AEROSPACE SYSTEMS ENGINEERING</a> ( <i>English Friendly</i> ) INGENIERÍA EN SISTEMAS AEROESPACIALES	6			Thursdays 17:00-21:00	March 30 – May 11 Final exam: May 23
<a href="#">UNMANNED VEHICLES GUIDANCE</a> ( <i>English Friendly</i> ) GUIADO DE VEHÍCULOS NO TRIPULADOS	6			Friday 15:00- 17:00	Final exam: May 30
<a href="#">SUPERVISED WORK IN MOBILITY</a> ( <i>English/Spanish</i> ) TRABAJO TUTELADO (PROGRAMA EN MOVILIDAD) (202365)	12	September 26 – January 31	To be agree with the supervisor (oral exam)	February 6 – May 30	Exam (oral): To be agree with the supervisor

(1) Mandatory courses to obtain the diploma of completion

Additionally, with the aim of complete their mobility, students can take the following courses:

SYLLABUS					
Period	Course name	Code	ECTS	Degree name / <a href="#">EQF level</a>	Teaching mode
2	<a href="#">SPANISH/ENGLISH</a>	-	6	-	Online

(1) Optionally, students can take Spanish.

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