



Universidad
de Alcalá

INTERNATIONAL PROGRAMME OF EXPERT IN ENGINEERING PROCESSING AND GUIDANCE TECHNIQUES

Polytechnic School

WELCOME

The International Programme of Expert in Engineering Processing and Guidance Techniques 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 signal processing techniques, aerospace systems engineering and unmanned vehicles guidance.

WE OFFER

Upon successful completion of the programme 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 Expert in Engineering Processing and Guidance Techniques.

Optionally, students can take 12 ECTS more to complete the ECTS required for their mobility (see proposal below).

More info:

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

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INTERNATIONAL PROGRAMME OF EXPERT IN ENGINEERING PROCESSING AND GUIDANCE TECHNIQUES

DIPLOMA DE EXPERTO EN TÉCNICAS DE PROCESADO Y GUIADO EN INGENIERÍA (INTERNATIONAL PROGRAM)

ACADEMIC CALENDAR

2nd period/semester: February 6 to May 19
Face to face classes: **March 30 to May 19**
Exam period: May 23 to May 30.

PROGRAMME DESCRIPTION

EXPERT IN ENGINEERING PROCESSING AND GUIDANCE TECHNIQUES (2nd study cycle)

The programme has the option to be taught in English Friendly mode (classes will be taught in Spanish, but documentation, tutorials, hand-on 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 (18 ECTS of courses of the Master's degree in Telecommunications Engineering (EQF 7)).

DIPLOMA DE EXPERTO EN TÉCNICAS DE PROCESADO Y ORIENTACIÓN EN INGENIERÍA (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 (18 ECTS de cursos del máster en Ingeniería de Telecomunicaciones (EQF 7)).



LEARNING MODE OF STUDY:

2 nd semester: Online and face-to-face (March 30 to May 19)	Number of ECTS Online	12-24
	Number of ECTS face-to-face	6

SYLLABUS¹

Period	Course name	Code	ECTS	Degree name	Teaching mode	
					Online with synchronous lectures on:	In-person
2	AEROSPACE SYSTEMS ENGINEERING <i>(English Friendly)</i> INGENIERÍA EN SISTEMAS AEROSPACIALES	706725	6	MASTER'S DEGREE IN TELECOMMUNICATIONS ENGINEERING (EQF 7)	Thursdays 17:00-21:00	March 30 – May 19 Final exam: May 23
2	UNMANNED VEHICLES GUIDANCE <i>(English Friendly)</i> GUIADO DE VEHÍCULOS NO TRIPULADOS	706726	6	MASTER'S DEGREE IN TELECOMMUNICATIONS ENGINEERING (EQF 7)	Fridays 15:00-17:00	March 30 – May 19 Final exam: May 30
2	SIGNAL PROCESSING TECHNIQUES FOR INTELLIGENT ENVIRONMENTS <i>(English Friendly)</i> TÉCNICAS DE PROCESADO DE SEÑAL EN ENTORNOS INTELIGENTES	70672	6	MASTER'S DEGREE IN TELECOMMUNICATIONS ENGINEERING (EQF 7)	Wednesdays 17:00-21:00	March 30 – May 19 Final exam: May 25

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

SYLLABUS

Period	Course name	Code	ECTS	Degree name / EQF level	Teaching mode
2	SPANISH/ENGLISH	-	6	-	Online
2	SUPERVISED WORK IN MOBILITY	202365	12	MASTER'S DEGREE IN TELECOMMUNICATIONS ENGINEERING (EQF 7)	Online

(2) Optionally, students can take Spanish.