



Universidad  
de Alcalá

## INTERNATIONAL PROGRAMME ON FUNDAMENTALS OF TELECOMMUNICATION SYSTEMS

### Polytechnic School

#### WELCOME

The International Programme on Fundamentals of Telecommunication Systems at the Polytechnic School of the UAH is a one-semester bilingual undergraduate programme that provides an overview of the basic technologies and techniques needed in telecommunication systems.

#### 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 on Fundamentals of Telecommunication Systems.

Students can take it in the 1st and/or 2nd semester.

More info:

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

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



## INTERNATIONAL PROGRAM ON FUNDAMENTALS OF TELECOMMUNICATIONS SYSTEMS

### PROGRAM DESCRIPTION:

The International Program on Fundamentals of Telecommunications Systems at the Polytechnic School of the UAH is a one-semester bilingual undergraduate program that provides an overview of the basic technologies and techniques needed in telecommunication systems.

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 Program on Fundamentals of Telecommunications Systems.

Students can take in the 1<sup>st</sup> and/or 2<sup>nd</sup> semester.

### ACADEMIC CALENDAR

INTERNATIONAL PROGRAM ON FUNDAMENTALS OF TELECOMMUNICATIONS SYSTEMS (1<sup>st</sup> study cycle)

This program can be taken on 1<sup>st</sup> or 2<sup>nd</sup> semester:

**Fall semester** (1<sup>st</sup> semester)

Start date of teaching: September 9

End date of teaching: December 20

Regular exam period<sup>1</sup>: January 8 – January 20

**Spring semester** (2<sup>nd</sup> semester)

Start date of teaching: January 23

End date of teaching: May 14

Exam period<sup>1</sup>: May 19 – May 21

(1) Attendance to exams in person is compulsory

### LEARNING MODE OF STUDY:

Face-to-face	Number of ECTS	30-60
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### SYLLABUS

Period	Course name	Course code	ECTS
1	<a href="#">Signals and Systems</a>	350013	6
1	<a href="#">Network Architecture I</a>	350010	6
1	<a href="#">Fundamentals of Electronics</a>	350011	6
1	<a href="#">Fundamentals of Physics II</a>	350008	6
1	<a href="#">Mobility supervised work<sup>1</sup></a>	100222	6
2	<a href="#">Circuit electronics</a>	350018	6
2	<a href="#">Digital electronics</a>	350007	6
2	<a href="#">Communication theory</a>	350019	6
2	<a href="#">Network Architecture II</a>	350015	6
2	<a href="#">Waves propagation</a>	350022	6

<sup>1</sup> Mobility supervised work. <https://youtu.be/Mi3cA8yZeO0?feature=shared>

SCHEDULE – 1 <sup>st</sup> semester					
Time	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Mobility supervised work					
8:00-10:00	Signals and Systems (Lab)				
10:00-12:00	Fundamentals of Physics II (Lab)		Signals and Systems	Fundamentals of Electronics (Lab)	Fundamentals of Electronics
12:00-14:00		Network Architecture I	Fundamentals of Physics II	Network Architecture I	

SCHEDULE – 2 <sup>nd</sup> semester					
Time	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00-12:00	Waves propagation	Waves propagation (Lab)	Network architecture II	Digital electronics	Communication theory (Lab)
12:00-14:00	Circuit electronics (Lab)	Digital electronics	Communication theory	Circuit Electronics	Network architecture II (Lab)
14:00-15:00		Digital electronics		Circuit Electronics	

Additionally, students can take the course [Spanish \(6 ECTS\)](#).