



Universidad  
de Alcalá

## INTERNATIONAL PROGRAM ON FUNDAMENTALS OF TELECOMMUNICATION SYSTEMS

### Polytechnic School

#### WELCOME

The International Program on Fundamentals of Telecommunication 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.

#### 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 Program on Fundamentals of Telecommunication Systems.

Students can take 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 12

End date of teaching: December 22

Regular exam period<sup>1</sup>: January 9 – January 21

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

Start date of teaching: January 23

End date of teaching: May 12

Exam period<sup>1</sup>: May 15 – May 27

(1) Attendance to exams in person is compulsory

### LEARNING MODE OF STUDY:

|              |                |       |
|--------------|----------------|-------|
| Face-to-face | Number of ECTS | 30-60 |
|--------------|----------------|-------|

### 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</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    |

### SCHEDULE – 1<sup>st</sup> semester

| Time                     | MONDAY                     | TUESDAY                | WEDNESDAY                  | THURSDAY                    | FRIDAY                      |
|--------------------------|----------------------------|------------------------|----------------------------|-----------------------------|-----------------------------|
| Mobility supervised work |                            |                        |                            |                             |                             |
| 8:00-10:00               | Signals and Systems        |                        |                            |                             |                             |
| 10:00-12:00              | Fundamentals of Physics II |                        | Signals and Systems        | Fundamentals of Electronics | 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   | Network architecture II | Digital electronics | Communication theory    |
| 12:00-14:00                         | Circuit electronics | Digital electronics | Communication theory    | Circuit Electronics | Network architecture II |
| 14:00-15:00                         |                     | Digital electronics |                         | Circuit Electronics |                         |

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