



ALMA MATER STUDIORUM  
UNIVERSITÀ DI BOLOGNA

# SPACE MISSIONS SCIENCE, DESIGN AND APPLICATIONS (SPICES)

A.Y. 2020 / 2021



*Il level professional Master*

## TYPE

International professional master in English language

## DIRECTOR

Prof. Andrea Cimatti  
*Dipartimento di Fisica e Astronomia*

## EVENTS

October 2, 2020 MASTER'S PRESENTATION  
November 6, 2020 OPEN DAY

## DURATION

January 2021 - January 2022

## COMMITMENT

lectures and seminars (360 hours / Wed-Fri)  
tests and/or group work at the end of each module  
internship (600 hours)

## HEADQUARTERS

Department of Physics and Astronomy

## DEADLINE FOR ADMISSION

December 9, 2020  
*www.unibo.it > Didattica > Master universitari > 2020 - 2021 > Space missions science, design and applications*

## SELECTIONS | REGISTRATIONS

December 14, 2020 | January 7 - 20, 2021

## FEE

4.700 € in two instalments

Thanks to the contributions granted by ASI (Italian Space Agency), INAF-OAS (Astrophysics and Space Science Observatory of the National Institute of Astrophysics), INFN (National Institute of Nuclear Physics) and CNR-ISAC (Institute of Atmospheric Sciences and Climate of the National Research Council), reduced fees and scholarships are available.

**Recipients:** master's degrees graduates in at least one of the main areas covered in the teaching plan (astrophysics, planetology, earth physics, engineering, computer science, statistics)

**Teaching:** multidisciplinary program that covers the entire chain of a space mission, from its conception to the exploitation of data obtained from satellites.

**Outgoing professional profiles:** Principal Investigator, Project Manager, Project Scientist, System Engineer, Payload Manager, Instrument Scientist of a space mission; Technological manager of an instrument, Head of the ground segment; Expert in astrophysical, planetological, weather, climate, geophysical, oceanographic data analysis; Expert in high level statistical techniques, management and treatment of Big Data; Expert in image analysis; Expert in spectroscopic data analysis; Expert in satellite data for applications in territorial monitoring, agriculture, research of mineral or oil fields.

Find out more on [master.unibo.it/spices](http://master.unibo.it/spices)

PATRONAGE



**FAM**  
FONDAZIONE ALMA MATER

**Information & contact**

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