



CQA Undergraduate Quantum Summer School

July 06, 2026 to July 10, 2026

Elements and UAB Campus

The Catalonia Quantum Academy is organizing the first edition of the Undergraduate Quantum Summer School, a five-day intensive program designed to offer undergraduate students a comprehensive introduction to the Catalan quantum ecosystem and its leading areas of research

Hosted at ICFO and at the Universitat Autònoma de Barcelona (UAB), the school will bring together experts from universities, research centers and industry. Through this direct contact with the Catalan quantum ecosystem, participants will gain a transversal understanding of quantum science and technology while getting the opportunity to connect with key actors across the field

The program integrates lectures, laboratory visits, hands-on sessions, collaborative challenges, panel discussions, a networking fair as well as curated group activities designed

to foster links and connections among participants

Topic covered include

Quantum Matter

Quantum Optics and Photonics

Quantum Information Theory

Quantum Computing

Quantum Sensing

Quantum Communications

Quantum Materials

Quantum Technologies

Confirmed Speakers:

Adam Valles, UAB,

Alba Cervera Lierta, Barcelona Supercomputing Center

Aleksandra Sierant, ICFO

Antonio Rubio-Abadal, UB

Darrick Chang, ICFO

Maria Moreno Cardoner, UB

Michael Tayler, ICFO

Giulia de Rosi, UPC

Gabriele De Chiara, UAB

Pol Forn-Diaz, IFAE

Stephan Roche, ICN2

Juan P. Torres, ICFO

Andreu Riera-Campenya, ICFO

Program:

Coming soon!

Eligibility:

Applicants must be enrolled in an undergraduate program in physics, engineering physics or adjacent field in a university in Catalonia.

Students must have already taken a Quantum Physics course to register for the school.

Priority will be given to students in their penultimate year of undergraduate program.

A good level of English is required, as most sessions will be in English.

Registration:

Interested students should submit their application [here](#).

There are limited places available. The deadline to apply is **June 10th**.

Applicants will be contacted and notified of the outcome (successful or not) during the week of June 15th.



The school is free of charge.

Contact details:

Please contact us at cqa@icfo.eu if you have any questions.

Register by: June 10th

Audience: Undergraduate students