ICFO

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 Undergraduat Quantum Summer School, a five-day intensive program designed to offer undergraduat students a comprehensive introduction to the Catalan quantum ecosystem and its leadin areas of research

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

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

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-Campeny, 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