

## **SPECIALIZATION COURSE IN QUANTUM TECHNOLOGIES**

Academic Year 2023/2024

SPECIALIZATION COURSE IN QUANTUM TECHNOLOGIES”

DIPARTIMENT OF SCIENCE AND HIGH TECHNOLOGY

**Course location:** via Valleggio 11, Como, Italy

### **COURSE DESCRIPTION**

The specialization course in Quantum Technologies is an interdisciplinary thematic course that complements the Master Courses in Physics, Mathematics, Computer Science, Chemistry, Biology, Engineering, enriching the curriculum with transversal skills, addressed in a multidisciplinary and innovative way. The specialization course aims to provide students of science degrees and workers in industry, the appropriate tools to address the new scenarios opened by quantum technologies. The course is open to both internal students of Insubria and from other universities and staff of companies interested in quantum technologies.

### **COURSE PROGRAM**

Number of total class hours: 96

The specialization course, delivered in English, will consist of four courses:

- Classical and quantum machine learning (6 CFU)
- Quantum Optics for Quantum Information (6 CFU)

A 3 CFU project work on the topics covered in class will complete the specialization course.

Total number of CFUs: 15

Minimum number of hours of attendance to access the exam for each course: 75%

### **CALENDAR**

Scheduled start date: January 29<sup>th</sup>, 2024

Scheduled end date: December 20<sup>th</sup>, 2024

The courses can be followed remotely. It is also possible to follow single courses.

### **COURSE ADMISSION**

Minimum number of attendees: 10

Admission requirements: bachelor degree or master degree

**ENROLLMENT DEADLINE:** January 10<sup>th</sup>, 2024, h. 12.00

### **REGISTRATION FEE**

Registration fee: € 500.00 (inclusive of € 16.00 revenue stamp and € 7.38 for accident insurance)

Reduced registration fee for students from other universities and Insubria graduates: € 250.00 (inclusive of € 16.00 revenue stamp and € 7.38 for accident insurance).

Reduced registration for students currently enrolled in Master's degree courses at Università dell'Insubria or graduating students in a Bachelor degree program at Università dell'Insubria: € 0.00 but it is mandatory to pay:

a revenue stamp of € 16.00;

accident insurance of € 7.38

Registration to a single course is allowed at a cost of 50% of the registration fee.

## **ENROLLMENT INSTRUCTIONS**

### **ATTEINMENT OF THE DEGREE**

Students must pay the amount of € 32.00 for the necessary revenue stamps (€ 16.00 "request" + € 16.00 "certificate of attendance")

## **INFORMATION**

For enrollment information: Ufficio Master: [master.ateneo@uninsubria.it](mailto:master.ateneo@uninsubria.it)

For information on the organization and contents of the course: Prof. Giuliano Benenti:  
[giuliano.benenti@uninsubria.it](mailto:giuliano.benenti@uninsubria.it)