

3rd Summer School on Quantum Software Engineering



3rd -14th August 2026, University of Oulu, Finland

We are excited to invite NJIT-UO Software Engineering students (3rd & 2nd year) to our 2026 Summer School on Quantum Software Engineering.

This programme offers an overview of cutting-edge Quantum Software Engineering (QSE), focusing on how quantum computing influences software development. It covers fundamental concepts, hybrid (quantum–classical) approaches, and key considerations for designing, implementing, and evolving quantum software systems. Students will explore current tools, and key challenges related to quality, security, and reliability, along with real-world application areas and emerging research directions.

The summer school combines conceptual learning with practical exercises and a group project on developing a hybrid quantum–classical solution. It will also stimulate interaction among participants through lively debates and discussions around the event topics.

Summer School Programme

- **Academic activities:** Participants will work in multicultural teams, focusing on problem and solution oriented, agile, and hands-on experiences. The extent of the course is **3 ECTS credits**.
- **Social activities:** Picnic and playing “mölkkö”, Finnish movie evening, berry picking / baking Finnish delicacies.
- **Sightseeing and trips:** Oulu city tour and one-day excursion to Rovaniemi, Hailuoto or other local nature site to experience an authentic Nordic atmosphere and nature.



Key facts

Arrival: 2 August 2026
Departure: 15 August 2026
Course fee: **750€** (3 ECTS credits)
Accommodation fee: **433€**
Social programme fee (optional): **150€**
Apply: www oulu.fi/en/apply/arctic-summer-programme
Contact: Coordinator Virpi Viio (virpi.viio@oulu.fi)

What is included

- All academic and technical activities
- Sightseeing and social activities (Social programme)
- 13 nights campus accommodation

Note: Students are responsible for all other costs, including travel costs and meals, that are not included in the social programme.

