

Summer School on Sustainability and Digital Transformation in Civil and Environmental Engineering



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

We are excited to invite NJIT-UO Civil and Environmental Engineering students (3rd & 2nd year) to our 2026 Summer School on Sustainability and Digital Transformation in Civil and Environmental Engineering.

This programme is designed to enable students to understand the role of digital transformation and sustainability in modern engineering practice, combining computational modelling, physics-based simulation and AI with sustainability assessment and life-cycle thinking. Students will develop problem-solving skills using modern numerical and assessment methods, and learn to apply these tools to real-world engineering case studies and future projects.

24 h of Lectures consist of on-campus teaching (coming to Oulu is mandatory) and one online session before the on-campus part. They also implement collaborative teaching, inviting industry experts to illustrate case studies. 36 h of project work consisting of individual and team activities and 75 h of self-study are also required to complete the course.

Summer School Programme

- **Academic activities:** online session before arrival, on-campus teaching, case examples from industry experts, project and teamwork activities and independent studying. The extent of the course is **5 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: **975€** (5 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.

