

# CHEMARTS

**Code:** CHEM3040

**Extent:** 15–20 cr

**Language:** English

**Professor in charge:** Tapani Vuorinen

**Target group:** Bachelor and Master's degree students

**Application procedure:** Students will be selected in order of registration in WebOodi to course MUO-C1044 CHEMARTS Summer School. If there are more applicants than can be accepted, applicants will be asked to send a motivation letter.

**Quotas and restrictions:** 30 students (10 CHEM, 10 ARTS, 10 from other Aalto University Schools)

**Prerequisites:** No

## Content and structure of the minor

CHEMARTS is an interdisciplinary minor program, organized jointly by the Aalto School of Chemical Engineering (CHEM) and the Aalto School of Arts, Design and Architecture (ARTS).

The main objectives of the CHEMARTS minor are to inspire students with varying backgrounds to explore biomaterials together, and to create new concepts for the sustainable use of cellulose and other wood-based materials. The minor combines scientific materials research with creative practices and design thinking. The approach is experimental and student-driven.

<http://chemarts.aalto.fi>

<https://www.facebook.com/chemarts.aalto>

### *Learning outcomes*

After completing CHEMARTS minor students understand the basics of scientific materials research related to biomaterials. They are familiar with the most common working methods used in materials research and design practice. Students work mainly in teams and experience the strengths and challenges of interdisciplinary collaboration, and they understand how to apply the knowledge to their forthcoming projects. Students know how to follow the latest developments of biomaterials related research and business.

### *Structure of the minor*

The minor starts during the spring semester with 'Design Meets Biomaterials' course, followed by the CHEMARTS Summer School, either the same or the following year. Depending on student's project, there is an option to continue their work during the autumn semester.

Code	Name	Credits
<a href="#">CHEM-A1610</a>	Design Meets Biomaterials	3–5 (For minor students always 5 ECTS)
<a href="#">MUO-C1044</a>	CHEMARTS Summer School	10–15