

## BJ02A6010 Raw & Digital

The official course information can be found at LUT SISU: <https://sis-lut.funi-data.fi/student/courseunit/otm-b428a2f9-80e2-4bda-a40c-bd88f2996c88/brochure>

**Teacher in Charge:** D.Sc. Riina Salmimies

**Year:** MSc (Tech.) 1-2

**Course Schedule:**

You can register for this course anytime and start doing this course as soon as the registration process is completed and you get a notification that you have been added to the course at LUT Moodle. After registration you can complete the course at your own pace during a six month period.

**Assessment scale and assessment methods:** Pass/Fail, Moodle exam, contributions to discussion forums in Moodle, and a learning diary.

**Aims:**

The aim of the course is to introduce a chemical engineering professional with the multiple opportunities of digitalization in the raw materials sector.

After completing the course, the student

- Will have identified his/her own skill gap in applying digitalization in the raw materials sector
- Will have developed domain-specific knowledge on the possibilities of digitalization to further innovate in his/her domain

**Contents:** The course will cover current and relevant topics in digitalization of the raw materials sector. The course is an entry-level introductory course supporting life-long learning.

**Teaching Methods:** Online lectures and interview clips 10 h, self-study 27 h, self-guided exercises 15. Total workload 52 h.

**Prerequisites:** Knowledge and understanding of the raw materials sector and the nature of processes and operations within the raw materials sector, typically in the form of a B.Sc. or M.Sc. degree.

**Teaching Language:** English

**Study materials:** All the materials are available in Moodle.